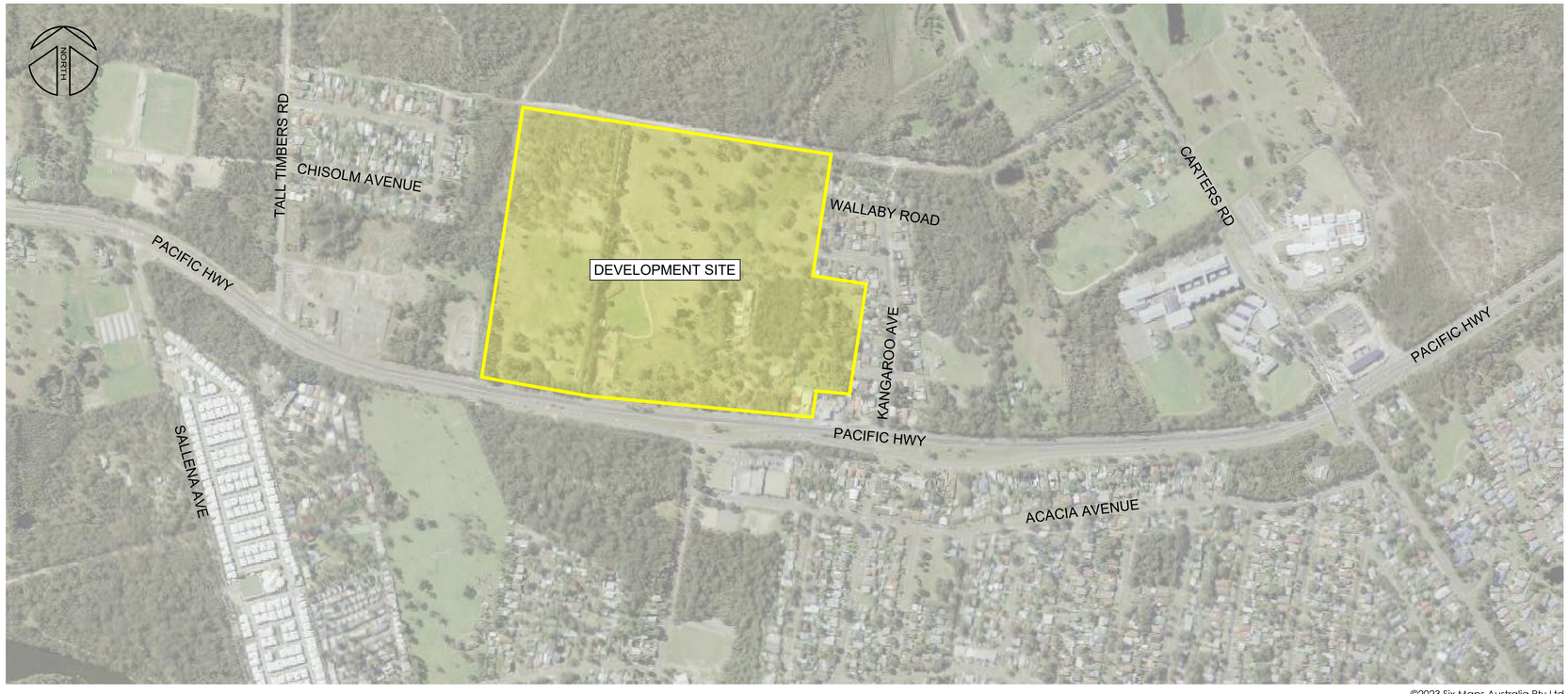
CENTRAL COAST COUNCIL

285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

CONCEPT CIVIL ENGINEERING DESIGN FOR DEVELOPMENT APPLICATION

BARKER RYAN STEWART



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LOCALITY
NOT TO SCALE

Prepared for: ALDA PROPERTIES PTY LTD | ROSE | URBAN LAND REDEVELOPMENT

Revision F
Date 14/04/2025
Project No. CC180099-07

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REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
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DRAWING INDEX

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Scales: @A1 Plan - Horiz. - Vert. - X-Sect. -
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File Ref. CC180099
REV. F

GENERAL NOTES

1. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE DEVELOPMENT CONSENT AND THE CENTRAL COAST COUNCIL'S WORKS SPECIFICATIONS SUBDIVISIONS / DEVELOPMENTS AND / OR AS DIRECTED BY THEIR REPRESENTATIVE AND MUST INCLUDE ANY NECESSARY WORKS REQUIRED TO MAKE THE CONSTRUCTION EFFECTIVE. ALL WORKS AND PUBLIC UTILITY RELOCATION SHALL INCUR NO COST TO COUNCIL.
2. THE CONTRACTOR IS TO IDENTIFY, LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORKS AND WHERE NECESSARY MAKE ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST WHERE NECESSARY.
3. ALL WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE WORK HEALTH & SAFETY ACT 2017 AND ALL RELEVANT OCCUPATIONAL HEALTH & SAFETY POLICIES AND REGULATIONS.
4. DIMENSIONS SHALL NOT BE SCALED FROM THE PLANS. CLARIFICATION OF DIMENSIONS SHALL BE SOUGHT FROM THE SUPERINTENDENT OR REFERRED TO THE DESIGNER.
5. SURVEY MARKS SHALL BE MAINTAINED AT ALL TIMES. WHERE RETENTION IS NOT POSSIBLE THE ENGINEER SHALL BE NOTIFIED AND CONSENT RECEIVED PRIOR TO THEIR REMOVAL.
6. ALL NEW WORK IS TO MAKE A SMOOTH JUNCTION WITH EXISTING CONDITIONS.
7. THE CONTRACTOR IS NOT TO ENTER UPON NOR DO ANY WORK WITHIN OR ON ADJACENT LANDS WITHOUT THE PRIOR APPROVAL OF THE SUPERINTENDENT AND THE WRITTEN PERMISSION OF THE OWNERS.
8. THE CONTRACTOR SHALL MAINTAIN DUST CONTROL THROUGHOUT THE DURATION OF THE PROJECT.
9. FELLED TREES SHALL BE SALVAGED FOR RE-USE AS WOODCHIP MULCH OR LOG FORM FOR SITE REHABILITATION, NON-SALVAGEABLE MATERIAL SUCH AS STUMPS AND ROOTS SHALL BE APPROPRIATELY DISPOSED OF OFF SITE.
10. THE CONTRACTOR SHALL PROVIDE MINIMUM 24 HOURS NOTICE TO CERTIFIERS REPRESENTATIVE FOR ALL INSPECTIONS.
11. ALL NATURAL SURFACE DATA HAS BEEN DETERMINED BY TERRAIN MODELLING. ALL CONSTRUCTION SITE WORKS MUST BE CARRIED OUT USING THE BENCH MARKS SHOWN ON THESE DRAWINGS.
12. THE REUSE AND RECYCLING OF WASTE MATERIALS MUST BE MAXIMISED DURING CONSTRUCTION AND DEMOLITION. THE SEPARATION AND RECYCLING OF THE FOLLOWING WASTE MATERIAL a) MASONRY b) TIMBER c) METALS d) CLEAN WASTE e) MIXED WASTE THIS CAN BE ACHIEVED BY CONSTRUCTING A MINIMUM OF FIVE TRADE WASTE COMPOUNDS ON-SITE COPIES OF ACTUAL WEIGHBRIDGE RECEIPTS VERIFYING RECYCLING/DISPOSAL MUST BE KEPT AND PRESENTED TO COUNCIL OR NOMINATED AUTHORITY WHEN REQUIRED.
13. THE TREES THAT ARE TO BE RETAINED ARE TO BE PROTECTED DURING ALL WORKS WITH 1.8m HIGH CHAINWIRE FENCING WHICH IS TO BE ERECTED AT LEAST THREE METRES FROM THE BASE OF EACH TREE AND IS TO BE IN PLACE PRIOR TO WORKS COMMENCING TO RESTRICT THE FOLLOWING OCCURING: STOCKPILING OF MATERIALS WITHIN THE ROOT PROTECTION ZONE, PLACEMENT OF FILL WITHIN THE ROOT PROTECTION ZONE, PARKING OF VEHICLES WITHIN THE ROOT PROTECTION ZONE, COMPACTION OF SOIL WITHIN THE ROOT PROTECTION ZONE. ALL AREAS WITHIN THE ROOT PROTECTION ZONE ARE TO BE MULCHED WITH COMPOSTED LEAF MULCH TO A DEPTH NOT LESS THAN 100mm. THE INSTALLATION OF SERVICES WITHIN THE ROOT PROTECTION ZONE IS NOT TO BE UNDERTAKEN WITHOUT CONSULTATION WITH COUNCIL'S TREE MANAGEMENT OFFICER.
14. A COPY OF THE DEVELOPMENT CONSENT AND STAMPED PLANS AND TRAFFIC CONTROL PLAN SHALL BE KEPT ON SITE AT ALL TIMES DURING CONSTRUCTION.
15. IF, DURING THE COURSE OF ANY WORKS, ANY EVIDENCE OF AN ABORIGINAL ARCHAEOLOGICAL SITE OR RELIC IS FOUND, ALL WORKS ON THE SITE ARE TO CEASE AND THE DEPARTMENT OF ENVIRONMENT AND CLIMATE CHANGE AND THE NSW HERITAGE BRANCH ARE TO BE NOTIFIED IMMEDIATELY.
16. IF, DURING THE COURSE OF ANY WORKS, ANY EVIDENCE OF A EUROPEAN ARCHAEOLOGICAL SITE OR RELIC IS FOUND, ALL WORKS ON THE SITE ARE TO CEASE AND THE NSW HERITAGE BRANCH CONTACTED IMMEDIATELY. ALL RELICS ARE TO BE RETAINED IN SITU UNLESS OTHERWISE DIRECTED BY THE NSW HERITAGE BRANCH.
17. ANY NEW INFORMATION, WHICH COMES TO LIGHT DURING CONSTRUCTION WORKS, WHICH HAS THE POTENTIAL TO ALTER PREVIOUS CONCLUSIONS ABOUT SITE CONTAMINATION, SHALL BE IMMEDIATELY NOTIFIED TO COUNCIL.
18. CONSTRUCTION INSPECTIONS ARE REQUIRED FOR THE ENGINEERING WORKS IN ACCORDANCE WITH THE RELEVANT LOCAL COUNCIL WORKS SPECIFICATION.
19. SEDIMENT MEASURES SHALL BE IMPLEMENTED PRIOR TO SOIL DISTURBANCE IN KEEPING WITH THE 4th EDITION OF LANDCOMS "SOILS AND CONSTRUCTION - MANAGING URBAN STORMWATER" MARCH 2004 TO THE SATISFACTION OF COUNCIL'S REPRESENTATIVE AND AS SHOWN IN THESE DRAWINGS.
20. THE CONTRACTOR SHALL CLEAR AND DISPOSE OF ONLY THOSE TREES THAT ARE CONDEMNED BY THE PLANS. COUNCIL'S TREE PRESERVATION ORDER SHALL BE OBSERVED AND NO TREE SHALL BE FELLED, LOPPED OR REMOVED WITHOUT PRIOR APPROVAL OF COUNCIL.
21. THE CONTRACTOR SHALL CLEAR THE SITE BY REMOVING ALL RUBBISH, FENCES, OUT HOUSES, CAR BODIES, DEBRIS, ETC. THE CONTRACTOR SHALL NOT DISPOSE OF ANY DEBRIS BY BURNING OFF IN AN OPEN FIRE.

ROADWORKS NOTES

1. ERECT STREET NAME SIGNS, CONDUIT WARNING SIGNS AND NO THROUGH ROAD SIGNS WHERE SHOWN OR WHERE DIRECTED BY COUNCIL'S REPRESENTATIVE.
2. THE CONTRACTOR SHALL UNDERTAKE TRAFFIC CONTROL MEASURES TO COUNCIL'S SATISFACTION AND SHALL DISPLAY ALL APPROPRIATE WARNING SIGNS THROUGHOUT THE DURATION OF CONSTRUCTION.
3. UNSOUND MATERIALS AS DETERMINED BY THE COUNCIL'S REPRESENTATIVE SHALL BE REMOVED FROM ROADS AND LOTS PRIOR TO FILLING.
4. PROVIDE VEHICULAR ENTRIES IN KERB AND GUTTER WHERE SHOWN OR DIRECTED BY THE SUPERINTENDENT.

EARTHWORKS NOTES

1. CARE IS TO BE TAKEN DURING THE CONSTRUCTION OF THE PROPOSED WORKS TO ENSURE NATURAL VEGETATION AND TOPOGRAPHY ON THE SUBJECT SITE IS NOT UNNECESSARILY DISTURBED. ANY EXCAVATION MATERIAL NOT USED IN THE CONSTRUCTION OF THE SUBJECT WORKS IS TO BE REMOVED FROM THE SITE AND UNDER NO CIRCUMSTANCES IS TO BE DEPOSITED IN BUSHLAND AREAS.
2. COUNCIL MUST BE NOTIFIED OF ANY DAMAGE TO THE PUBLIC INFRASTRUCTURE SUCH AS ROAD PAVEMENT, KERB AND GUTTER, CONCRETE FOOTPATHS, DRAINAGE STRUCTURES, UTILITIES AND LANDSCAPING FRONTING THE DEVELOPMENT..
3. UNSOUND MATERIALS AS DETERMINED BY COUNCIL'S REPRESENTATIVE SHALL BE REMOVED FROM ROADS AND LOTS PRIOR TO ANY FILLING.
4. ALL SITE REGRADING AREAS SHALL BE GRADED TO THE SATISFACTION OF COUNCIL'S REPRESENTATIVE. THE CONTRACTOR SHALL TAKE LEVELS ON THE EXISTING SURFACE AFTER STRIPPING TOPSOIL AND PRIOR TO COMMENCING ANY FILL OPERATIONS.
5. SURPLUS EXCAVATED MATERIAL SHALL BE PLACED OR DISPOSED OF IN ACCORDANCE WITH THE CONTRACT, OR AS DIRECTED BY THE SUPERINTENDENT.
6. ALL SITE FILLING SHALL BE PLACED IN LAYERS NOT EXCEEDING COUNCILS AND GEOTECH REQUIREMENTS. FILL IS TO BE COMPACTED IN ACCORDANCE WITH GEOTECH SPECIFICATIONS AND BE TESTED AT THE REQUIRED INTERVALS BY AN APPROVED N.A.T.A. GEOTECHNICAL LABORATORY.
7. MINIMUM 150mm THICK TOPSOIL SHALL BE SPREAD ON ALL BERMS, BATTERS AND SITE REGRADING AREAS. EXCESS TOPSOIL SHALL BE DISPOSED OF AS DIRECTED BY THE SUPERINTENDENT.
8. ALL LAND DISTURBED BY EARTHWORKS SHALL BE SPRAY-GRASSED, TURFED OR SIMILARLY TREATED TO ESTABLISH GRASS COVER. SEED MIXTURES ARE TO BE APPROVED BY COUNCIL PRIOR TO SPRAYING. ALL GRASSED AREAS SHALL BE REGULARLY WATERED AND MAINTAINED UNTIL EXPIRATION OF THE MAINTENANCE PERIOD.
9. THE DISPOSAL / LANDFILL OF SURPLUS EXCAVATED MATERIAL, OTHER THAN TO A DECC LICENSED FACILITY, IS NOT PERMITTED WITHOUT FORMAL APPROVAL FROM COUNCIL PRIOR TO THE COMMENCEMENT OF WORKS. ANY UNAUTHORIZED DISPOSAL OF WASTE, WHICH INCLUDES EXCAVATED MATERIAL, IS A BREACH OF THE PROTECTION OF THE ENVIRONMENT OPERATIONS ACT 1997 AND SUBJECT TO SUBSTANTIAL PENALTIES. UNLESS COUNCIL APPROVES AN ALTERNATIVE SITE, THEN ALL SURPLUS MATERIAL MUST BE DISPOSED OF AT A LICENSED WASTE FACILITY. COPIES OF ACTUAL WEIGHBRIDGE RECEIPTS VERIFYING RECYCLING / DISPOSAL MUST BE KEPT AND PRESENTED TO COUNCIL WHEN REQUIRED.
10. THE ONLY WASTE DERIVED FILL MATERIAL THAT MAY BE RECEIVED AT THE DEVELOPMENT SITE IS: a) VIRGIN EXCAVATED NATURAL MATERIAL OR b) ANY OTHER WASTE-DERIVED MATERIAL THE SUBJECT OF A RESOURCE RECOVERY UNDER CLAUSE 51A OF THE PROTECTION OF THE ENVIRONMENT OPERATIONS (WASTE) REGULATION 2005 THAT IS PERMITTED TO BE USED AS FILL MATERIAL. ANY WASTE-DERIVED MATERIAL THE SUBJECT OF A RESOURCE RECOVERY EXEMPTION RECEIVED AT THE DEVELOPMENT SITE MUST BE ACCOMPANIED BY DOCUMENTATION AS TO THE MATERIAL'S COMPLIANCE WITH THE EXEMPTION CONDITIONS AND MUST BE PROVIDED TO THE PRINCIPAL CERTIFYING AUTHORITY ON REQUEST.

SERVICE NOTES

1. THE CONTRACTOR IS TO IDENTIFY, LOCATE AND LEVEL ALL EXISTING SERVICES PRIOR TO THE COMMENCEMENT OF CONSTRUCTION WORKS AND WHERE NECESSARY MAKE ARRANGEMENTS WITH THE RELEVANT AUTHORITY TO RELOCATE OR ADJUST.
2. BARKER RYAN STEWART DOES NOT ACCEPT ANY LIABILITY FOR INACCURACIES IN THE SERVICE INFORMATION SHOWN.
3. CONDUITS SHALL BE LAID AFTER POSITIONS HAVE BEEN DETERMINED BY THE RELEVANT AUTHORITIES AND BEFORE FINAL A.C. IS LAID.
4. POSITION OF CONDUITS SHALL BE MARKED ON THE KERB.
5. THE CONTRACTOR SHALL MAINTAIN SERVICES AND ALL WETHER ACCESS AT ALL TIMES TO THE ADJOINING PROPERTIES.
6. CARE SHALL BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES, NO MECHANICAL EXCAVATION SHALL BE MADE OVER TELSTRA OR ELECTRICAL SERVICES, EXCAVATE BY HAND ONLY IN THESE AREAS.

DRAINAGE NOTES

1. ALL PITS DEEPER THAN 1.2m SHALL HAVE STEP IRONS PROVIDED IN ACCORDANCE WITH COUNCIL'S STANDARDS.
2. ALL DRAINAGE LINES THROUGH THE LOTS SHALL BE CONTAINED WITHIN THE EASEMENTS AND CONFORM WITH COUNCIL'S STANDARDS.
3. ALL DRAINAGE LINES ON HIGH SIDE AND UNDER ROADS SHALL BE BACKFILLED WITH SHARP SAND AND HAVE 3.0m OF AGRICULTURAL LINE WRAPPED IN AN APPROVED FILTER FABRIC, DISCHARGING INTO THE DOWNSTREAM PIT.
4. SUBSOIL DRAINS SHALL BE CONSTRUCTED TO THE SATISFACTION OF COUNCIL'S REPRESENTATIVE.
5. PRECAST KERB INLET LINTELS SHALL BE USED ON GULLY PITS. GRATES SHALL BE "WELDLOK" TYPE GG50D OR APPROVED EQUIVALENT.
6. ON COMPLETION OF PIPE INSTALLATION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL CONDITION INCLUDING KERBS, FOOTPATHS, CONCRETE AREAS, GRAVEL AREAS, GRASSED AREAS AND ROAD PAVEMENTS.
7. TRENCH WIDTHS ARE TO BE KEPT TO A MINIMUM, CONSISTENT WITH LAYING AND BEDDING OF THE RELEVANT SERVICE AND CONSTRUCTION PERSONNEL ACCESS WAYS AND PITS. REFER TO AUTHORITIES STANDARDS FOR MINIMUM TRENCH WIDTHS. STANDARD TRENCH WIDTHS AND THE DIMENSIONS OF UNSUPPORTED TRENCHES. SUPPORT EXCAVATIONS TO THE REQUIREMENTS OF THE CONSTRUCTION SAFETY REGULATIONS 1950, UNDER THE CONSTRUCTION SAFETY ACT 1912 (AS AMENDED)
8. PITS ARE TO BE CONSTRUCTED IN ACCORDANCE WITH AS3500.3:2021 PLUMBING AND DRAINAGE - STORMWATER DRAINAGE STANDARD UNLESS OTHERWISE SPECIFIED BE THE LOCAL COUNCIL OR AUTHORITY.
9. PIT SIZES IN ACCORDANCE WITH AS3500.3:2021 AND / OR COUNCIL REQUIREMENTS.
10. IF A PIT IS SHOWN ON THE KERB ALIGNMENT IT IS REQUIRED TO BE CONSTRUCTED AS A KERB INLET PIT UNLESS OTHERWISE NOTED.
11. BACKFILL TRENCHES IN ACCORDANCE WITH COUNCIL REQUIREMENTS WITHOUT DELAY FOR THE SECTION OF PIPE THAT HAS BEEN COMPLETED AND APPROVED, IF POSSIBLE ON THE SAME WORKING DAY.

STRUCTURAL NOTES

1. ALL WORKMANSHIP AND MATERIALS SHALL BE IN ACCORDANCE WITH AS3600.
2. CONCRETE QUALITY SHALL BE AS SPECIFIED AND SHALL BE VERIFIED BY TESTS.
3. ALL CONCRETE UNLESS OTHERWISE NOTED SHALL HAVE A SLUMP OF 80mm AT POINT OF PLACEMENT, A MAXIMUM AGGREGATE SIZE OF 20mm AND STRENGTH AS SPECIFIED. NO WATER SHALL BE ADDED TO THE MIX PRIOR TO OR DURING THE PLACEMENT.
4. ALL REINFORCEMENT SPECIFIED IS GRADE D500 UNLESS NOTED OTHERWISE.
5. REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY, IT IS NOT NECESSARILY SHOWN IN TRUE PROJECTION.
6. TOP REINFORCEMENT IS TO BE CONTINUOUS ON SUPPORTS. BOTTOM REINFORCEMENT TO BE LAPPED AT SUPPORTS.
7. WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED UNLESS SHOWN ON STRUCTURAL DRAWINGS.
8. PIPES OR CONDUITS SHALL NOT BE PLACED WITHIN THE ZONE OF CONCRETE COVER TO THE REINFORCEMENT WITHOUT THE APPROVAL OF THE ENGINEER.
9. ALL REINFORCING BARS AND FABRIC SHALL COMPLY WITH AS4671.
10. REINFORCEMENT SYMBOLS:
    - 10.1. N - GRADE 500N DEFORMED BAR (D500) NORMAL DUCTILITY
    - 10.2. R - GRADE 250N PLAIN ROUND BAR (R250) NORMAL DUCTILITY
    - 10.3. SL - GRADE 500L WELDED DEFORMED RIBBED MESH (D500) RECTANGULAR LOW DUCTILITY

    THE NUMBER IMMEDIATELY FOLLOWING THESE SYMBOLS IS THE NUMBER OF MILLIMETERS IN THE BAR DIAMETER.

    EXAMPLE:
    8 N12-250, DENOTES 8, GRADE 500N DEFORMED BARS, 12mm DIAMETER AT 250 CTS.
11. FABRIC REINFORCEMENT TO BE LAPPED 1 COMPLETE SQUARE + 25mm UNLESS NOTED OTHERWISE.
12. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON BAR CHAIRS SPACED AT A MAXIMUM OF 750mm CENTRES BOTH WAYS UNDER THE ROD AND FABRIC REINFORCEMENT. REINFORCEMENT SHALL BE TIED AT ALTERNATIVE INTERSECTIONS.

COUNCIL NOTES

1. WORKS CARRIED OUT TO CENTRAL COAST COUNCIL'S STANDARDS AND SPECIFICATIONS.

LEGEND

DESCRIPTION	EXISTING	PROPOSED
ROOF DRAINAGE LINE		
DRAINAGE LINE		
CONTOUR		
GRATED SURFACE INLET PIT		
SEALED PIT		
KERB INLET PIT		
PIT LABEL (LINE / No)	E/1	1/5
SUBSOIL	SS	SS
150mm KERB & GUTTER		
ROLL KERB		
KERB ONLY		
FLUSH KERB		
RETAINING WALL		
ROAD PAVEMENT		
FOOTPATH		
TREE TO BE REMOVED		
BATTERS		
LIMIT OF WORKS		LIMIT OF CONSTRUCTION
ELECTRICITY	E	E
COMMUNICATIONS	T	T
GAS	G	G
SEWER	S	S
WATER	W	W
FENCE	/	/

PROJECT STAGING

STAGE 1 OF THE PROJECT SHALL INCLUDE, AS A MINIMUM, THE FOLLOWING ELEMENTS:

1. PROPOSED ROAD 1 COLLECTOR ROAD THROUGH THE SITE.
2. STORMWATER MANAGEMENT BASINS/WATER QUALITY AREAS.
3. DEDICATION OF CONSERVATION AREAS.
4. DEDICATION OF LOCAL PARK.
5. UPGRADE TO PACIFIC HIGHWAY/KANGAROO AVENUE INTERSECTION.
6. UPGRADE TO AND EXTENSION OF CHISOLM AVENUE.
7. UPGRADE TO TALL TIMBERS ROAD/CHISOLM AVENUE INTERSECTION.

ITEMS 1 TO 7 (INCLUSIVE) ABOVE SHALL BE UNDERTAKEN IN ACCORDANCE WITH THE PROJECT'S STAGE VOLUNTARY PLANNING AGREEMENT (SVPA2022-178).

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

GENERAL NOTES

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LEGEND:

- BCAR BOUNDARY - RETAINED AREA
- BCAR BOUNDARY - DISTURBED AREA

NORTH

SHEET 101 | SHEET 102 | SHEET 103 | SHEET 104 | SHEET 105 | SHEET 106

DEAKIN AVE | KEMIRA ROAD | CHISHOLM AVE | WALLABY ROAD | KOOKABURRA AVE | KANGAROO AVE | POSSUM STREET | PACIFIC HIGHWAY

ROAD 1 | ROAD 2 | ROAD 3 | ROAD 4 | ROAD 5 | ROAD 6 | ROAD 7 | ROAD 9 | ROAD 10 | ROAD 11 | ROAD 12 | ROAD 13

PT 1 CONSERVATION | PT 70 CONSERVATION | PT 70 | PT 1 | PARK

WSUD | PROPOSED RESIDENTIAL DEVELOPMENT | PROPOSED LOT 2 UNDER DA228/2024

REFER TO DRAWING SET CC180099-03 FOR CHISHOLM AVENUE UPGRADE DETAILS

REFER TO DRAWING SET CC180099-03 FOR WALLABY ROAD UPGRADE DETAILS

REFER TO DRAWING SET CC180099-06 FOR PACIFIC HIGHWAY UPGRADE WORKS

REFER TO DRAWING SET CC180099-06 FOR PACIFIC HIGHWAY UPGRADE WORKS

PLAN

SCALE 1:1250

25 0 25 50 75 105 125 METRES 1:1250

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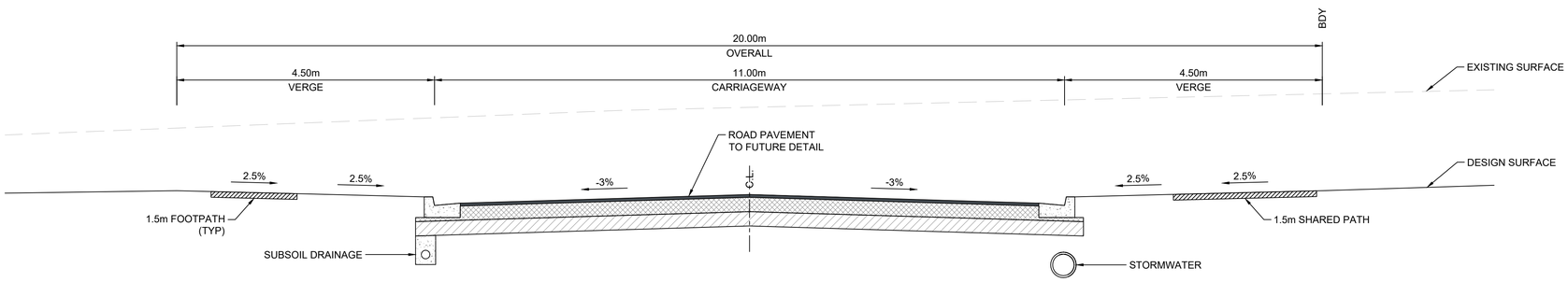
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

GENERAL ARRANGEMENT

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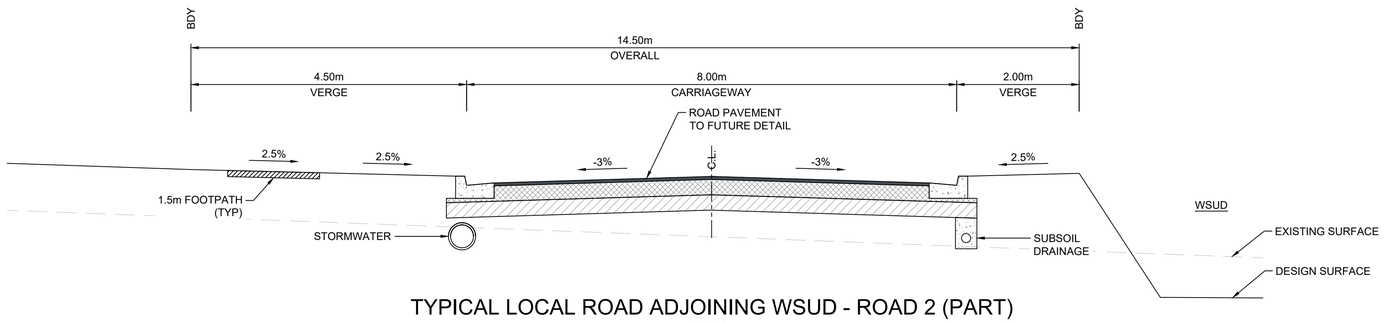
Plan No. CC180099-07-021
File Ref. CC180099
REV. F



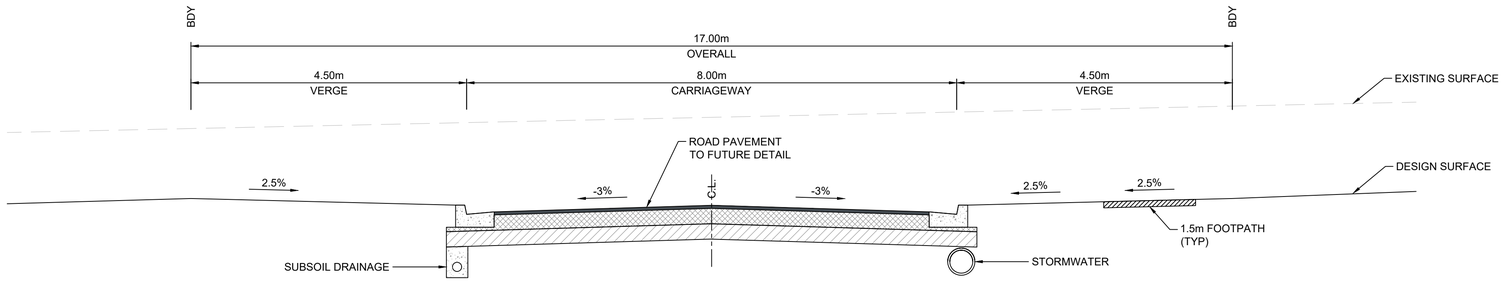
TYPICAL COLLECTOR ROAD SECTION - ROAD 1
N.T.S.

NOTE:

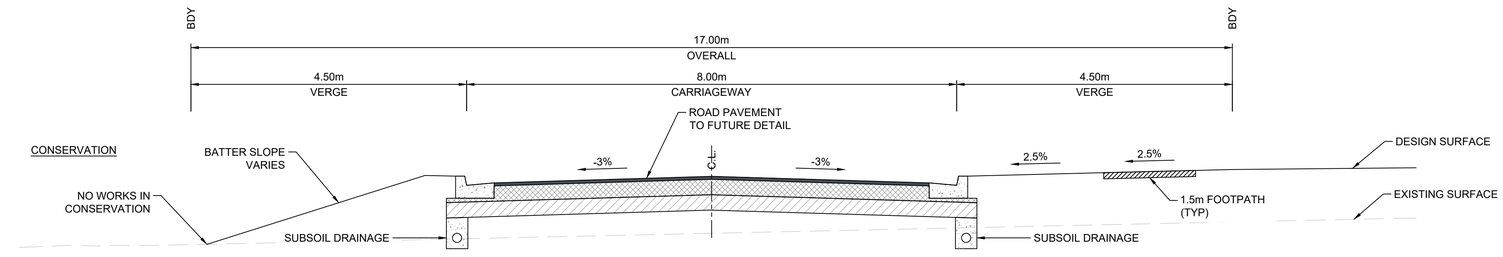
1. TRAFFIC CALMING DEVICES ON THE COLLECTOR ROAD ARE TO BE DISCUSSED AND AGREED WITH COUNCIL. DETAILS TO BE INCLUDED AS PART OF THE FUTURE S.W.C.



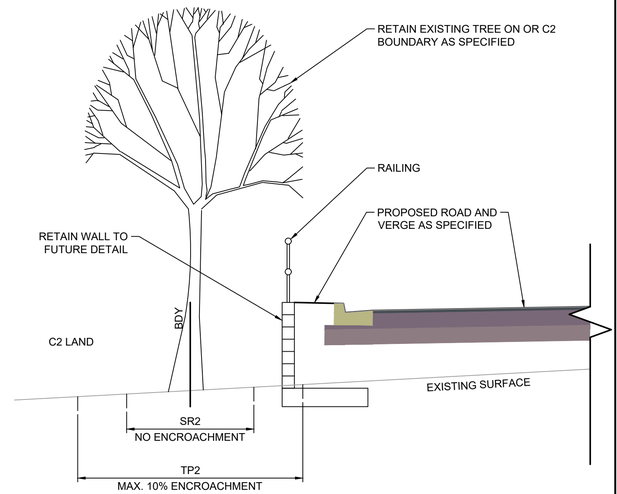
TYPICAL LOCAL ROAD ADJOINING WSUD - ROAD 2 (PART)
N.T.S.



TYPICAL LOCAL ROAD SECTION - ROAD 2 (PART), 3, 4, 5 (PART), 6, 7, 9 (PART), 10 (PART), 11, 12
N.T.S.



TYPICAL LOCAL ROAD ADJOINING CONSERVATION AREA - ROAD 5, 9 (PART), 10 (PART)
N.T.S.



TYPICAL SECTION SHOWING WALL AND ROAD INTERACTION WITH RETAINED TREES ADJOINING C2 LAND BOUNDARY
N.T.S.

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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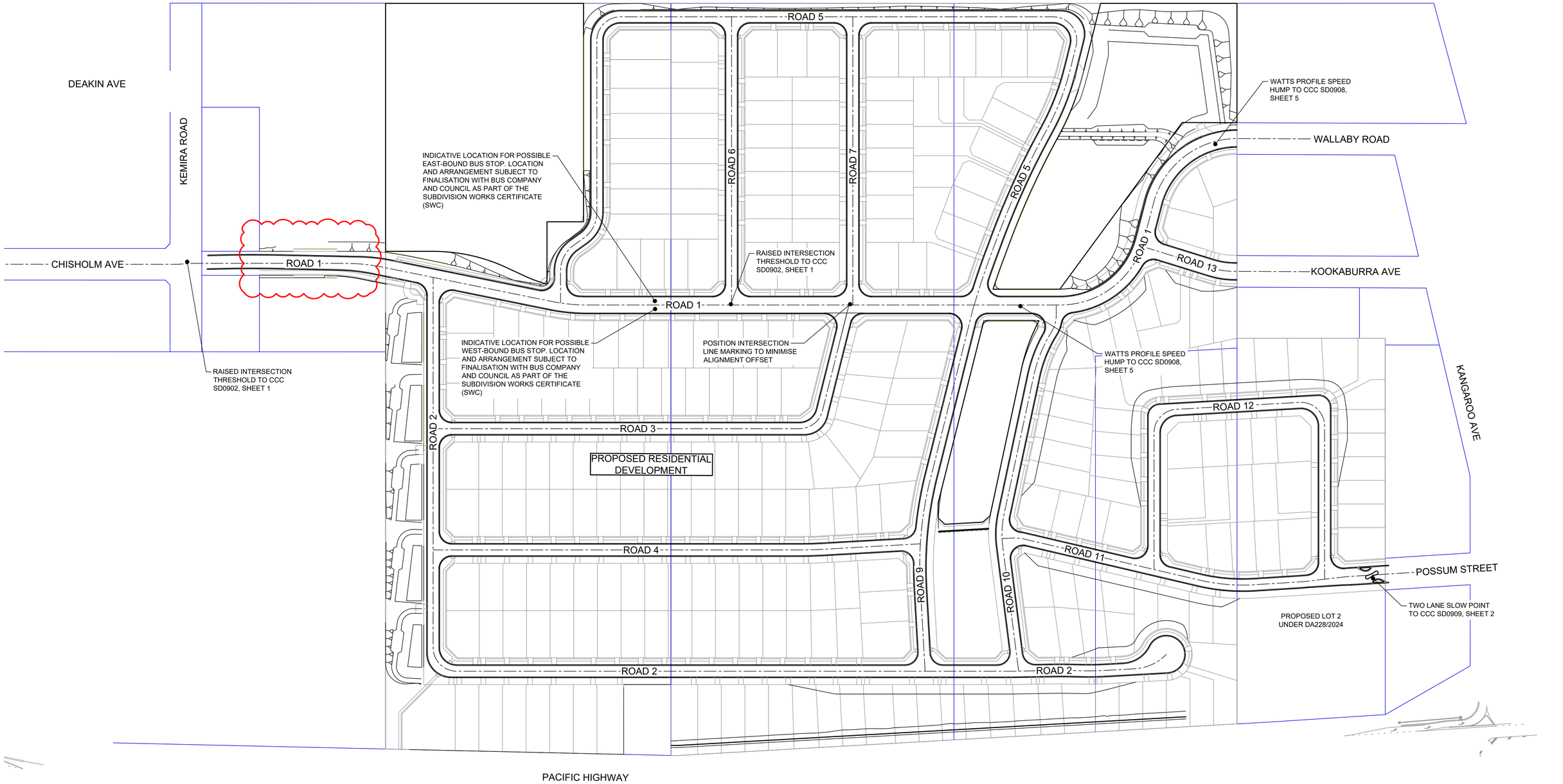
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

TYPICAL SECTIONS

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan - Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-031
File Ref. CC180099
REV. F



NOTES:

1. INDICATIVE LOCATION OF PROPOSED TRAFFIC MANAGEMENT DEVICES ARE SHOWN ON THIS DRAWING.
2. CENTRAL MEDIAN ISLANDS ARE NOT PROPOSED.
3. FINAL DETAILS, LOCATION AND ARRANGEMENTS SUBJECT TO DETAILED DESIGN AS PART OF THE SUBDIVISION WORKS CERTIFICATE (SWC).

PLAN
SCALE 1:1250

25 0 25 50 75 105 125
METRES
1:1250

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

TRAFFIC MANAGEMENT DEVICE LOCATIONS

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:1250, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-041
File Ref. CC180099
REV. F



PLAN
SCALE 1:1250

25 0 25 50 75 105 125
METRES
1:1250

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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TREE IMPACT PLAN

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:1250 Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-051
File Ref. CC180099
REV. F



PLAN
SCALE 1:1250

25 0 25 50 75 105 125
METRES
1:1250

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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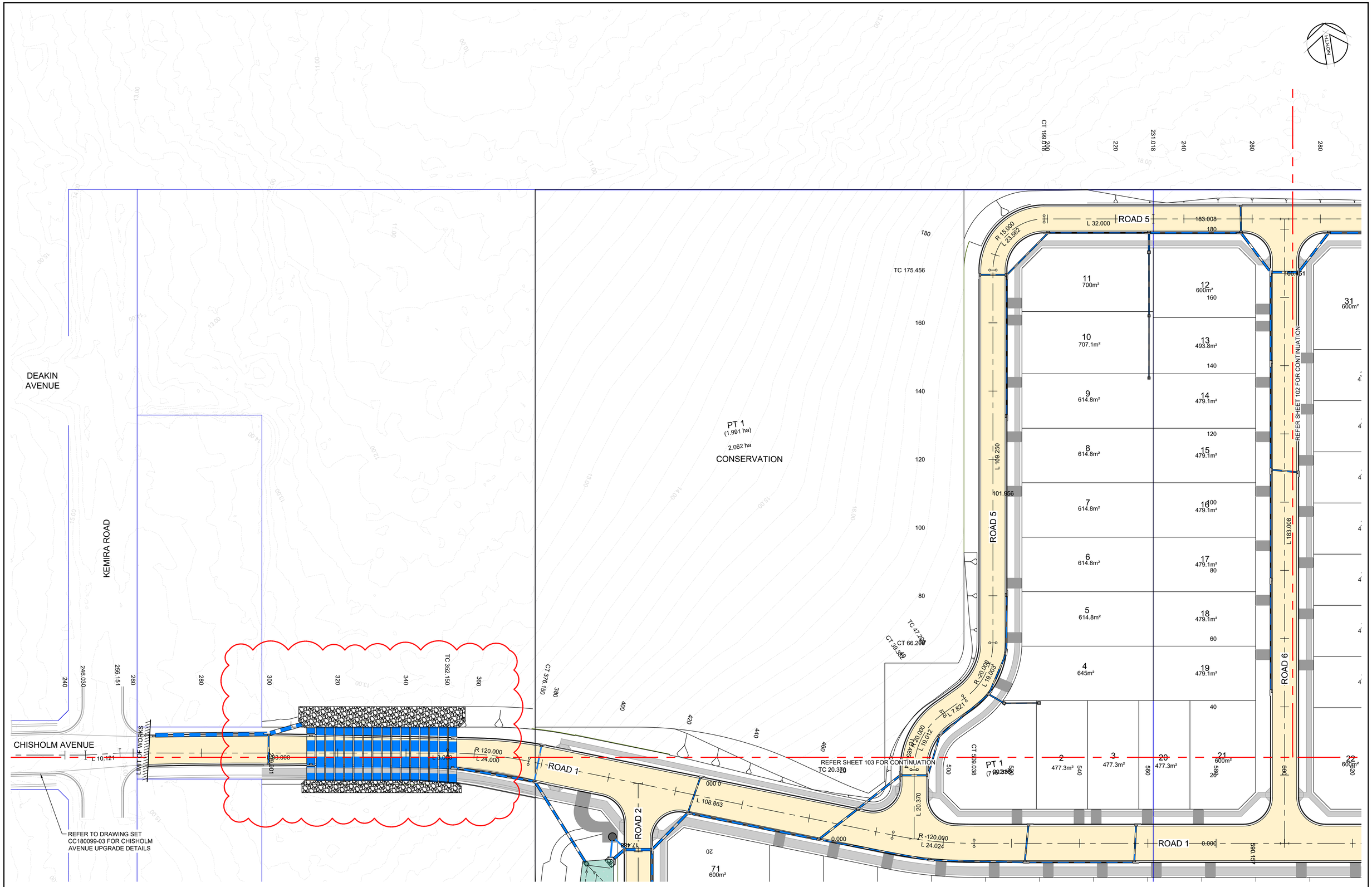
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

ACOUSTIC TREATMENT PLAN

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:1250 Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-061
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

10 0 10 20 30 40 50 METRES 1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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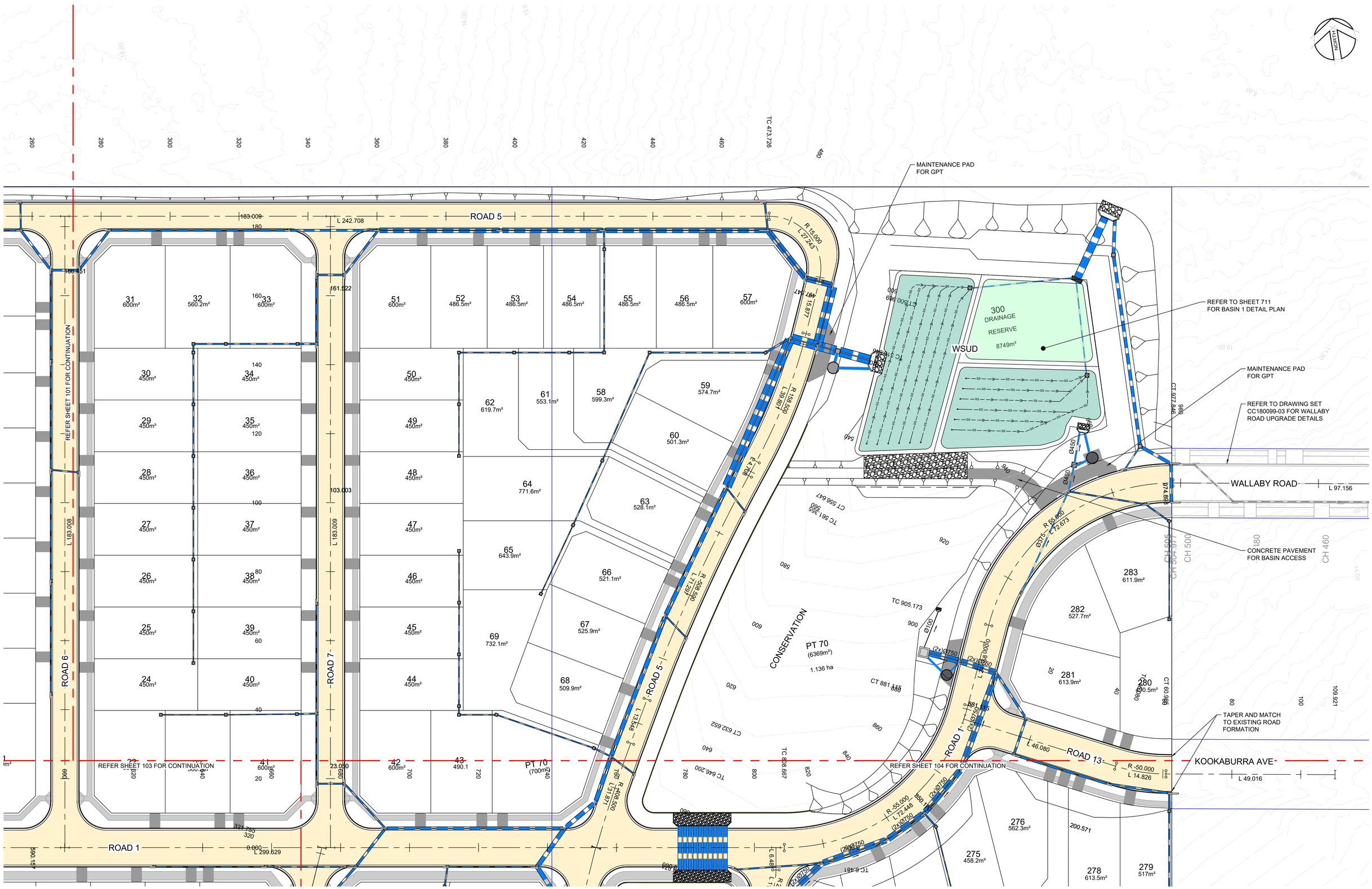
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

DETAIL ENGINEERING PLAN SHEET 1

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500 Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-101
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

10 0 10 20 30 40 50 METRES 1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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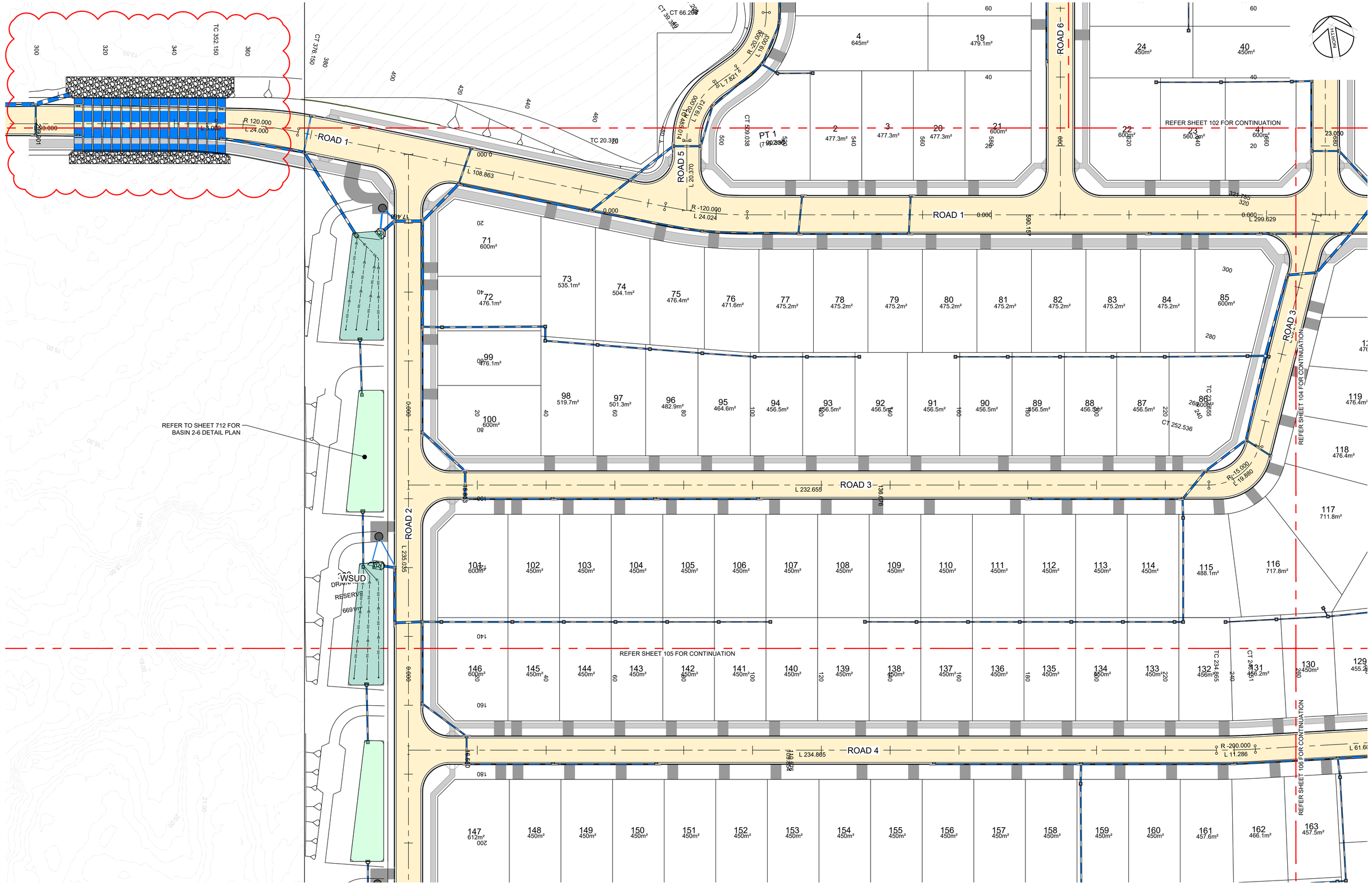
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

DETAIL ENGINEERING PLAN SHEET 2

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-102
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

10 0 10 20 30 40 50
METRES
1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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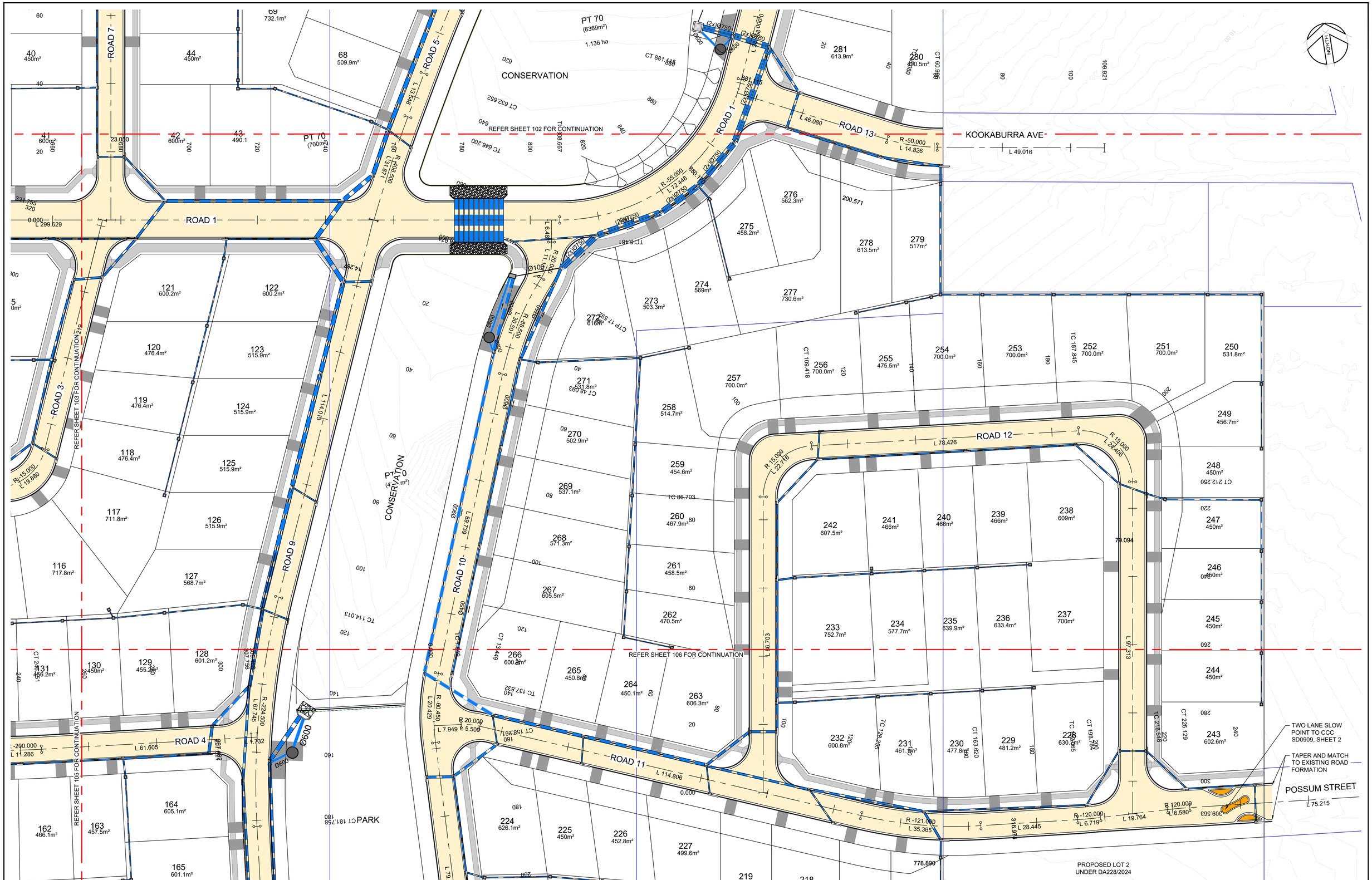
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

DETAIL ENGINEERING PLAN SHEET 3

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1
Plan 1:500
Horiz. -
Vert. -
X-Sect. -
Datum: A.H.D.

Plan No.
CC180099-07-103
File Ref.
CC180099
REV.
F



PLAN
SCALE 1:500

10 0 10 20 30 40 50 METRES 1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
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DETAIL ENGINEERING PLAN SHEET 4

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-104
File Ref. CC180099
REV. F

ROAD 3
L 232.655
R -15.000
L 19.880
CT 252.536
ROAD 2
L 235.035
ROAD 4
L 234.885
R -200.000
L 11.286
L 61.60
WSUD
DRAINAGE RESERVE
669m²
REFER SHEET 103 FOR CONTINUATION
REFER SHEET 104 FOR CONTINUATION
REFER SHEET 106 FOR CONTINUATION
REFER TO SHEET 712 FOR BASIN 2-6 DETAIL PLAN
TC 235.035
CT 258.597
R -15.000
L 23.562
ROAD 2
L 351.062
TELSTRA TOWER
CONSTRUCT FOOTPATH CONNECTION TO PACIFIC HIGHWAY
NO WORKS IN TELSTRA LOT. LOCALLY ADJUST VERGE GRADE TO MATCH EXISTING
STORMWATER DIVERSION CHANNEL. REFER TO SHEET 515.
PACIFIC HIGHWAY
NORTH

PLAN
SCALE 1:500

10 0 10 20 30 40 50
METRES
1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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DETAIL ENGINEERING PLAN SHEET 5

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-105
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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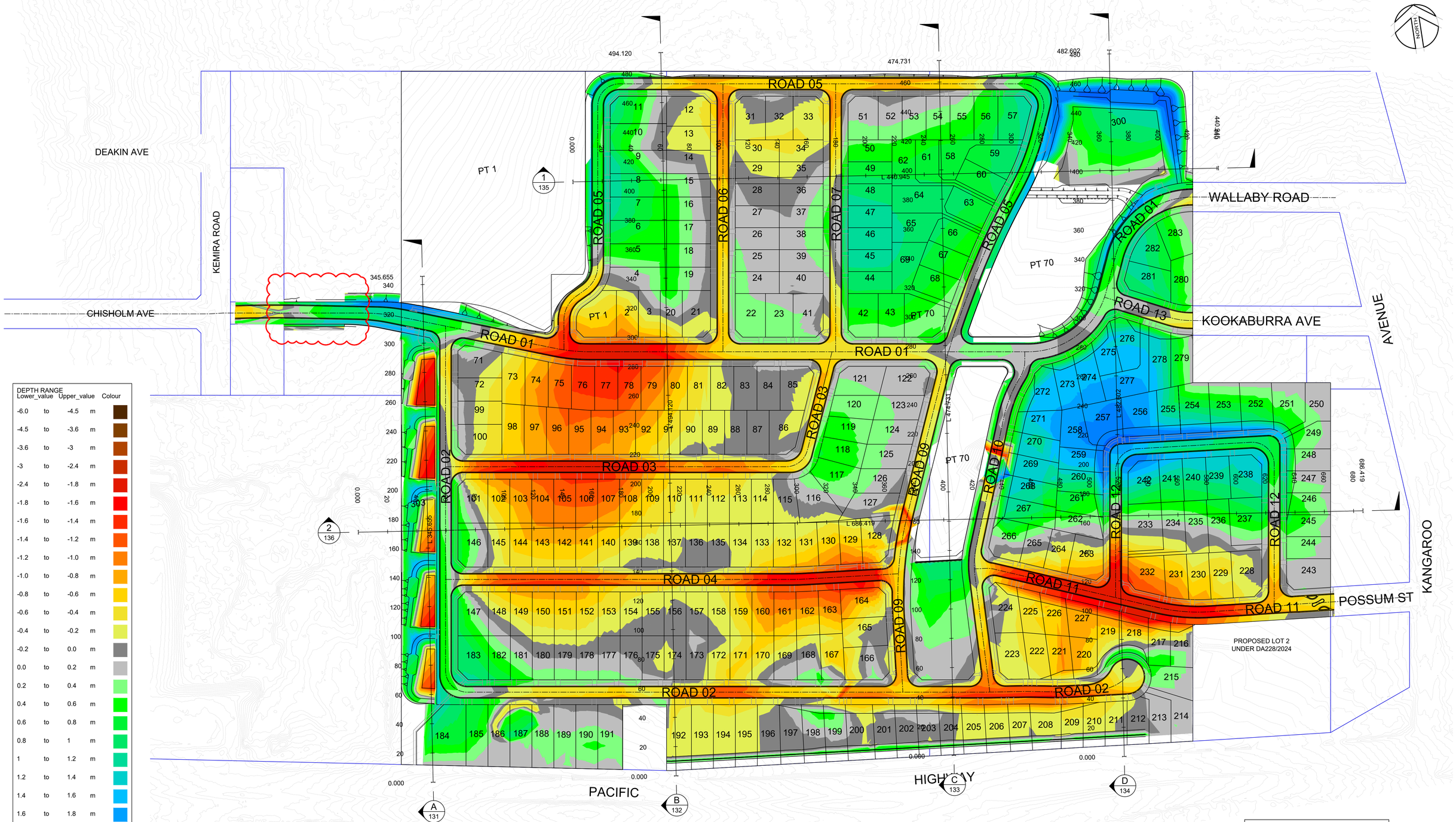
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

DETAIL ENGINEERING PLAN SHEET 6

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-106
File Ref. CC180099
REV. F



DEPTH RANGE Lower_value		Upper_value		Colour
-6.0	to	-4.5	m	
-4.5	to	-3.6	m	
-3.6	to	-3	m	
-3	to	-2.4	m	
-2.4	to	-1.8	m	
-1.8	to	-1.6	m	
-1.6	to	-1.4	m	
-1.4	to	-1.2	m	
-1.2	to	-1.0	m	
-1.0	to	-0.8	m	
-0.8	to	-0.6	m	
-0.6	to	-0.4	m	
-0.4	to	-0.2	m	
-0.2	to	0.0	m	
0.0	to	0.2	m	
0.2	to	0.4	m	
0.4	to	0.6	m	
0.6	to	0.8	m	
0.8	to	1	m	
1	to	1.2	m	
1.2	to	1.4	m	
1.4	to	1.6	m	
1.6	to	1.8	m	
1.8	to	2.4	m	
2.4	to	3	m	
3	to	3.6	m	
3.6	to	4.5	m	
4.5	to	6	m	

BULK EARTHWORKS VOLUMES
CUT = +70,124m^3
FILL = -70,409m^3
NET = -286m^3 (EXPORT)

NOTES:
1. PROVIDED VOLUMES FROM ASSUMED STRIPPED SURFACE (-100mm) TO ASSUMED BOXING LEVEL (-500mm).
2. NO BULKING FACTORS APPLIED.
3. EXCLUDES TRENCH SPOIL, ETC.
4. INDICATIVE ONLY AND SUBJECT TO FURTHER DESIGN.

PLAN
SCALE 1:1250

25 0 25 50 75 105 125
METRES
1:1250

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
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F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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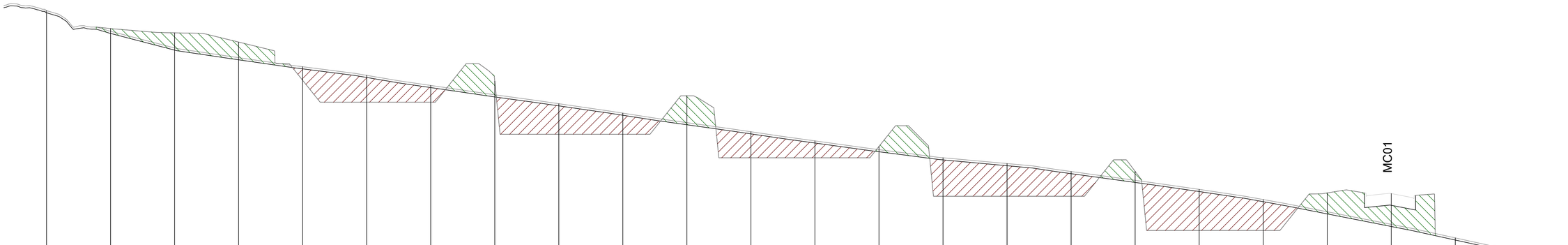
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

BULK EARTHWORKS PLAN

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:1250, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-121
File Ref. CC180099
REV. F



DATUM RL 10.000																														
FINISHED SURFACE	25.683	24.943	24.943	24.743	24.743	24.313	24.313	22.521	22.521	21.500	21.500	21.500	21.500	22.480	22.480	20.000	20.000	20.000	20.000	21.800	21.800	18.900	18.900	18.900	18.900	17.100	17.100	17.100	17.100	17.257	17.257	17.229	17.229	15.055	15.055	14.423	14.423
BEW SURFACE	25.683	24.943	24.943	24.743	24.743	24.313	24.313	22.521	22.521	21.500	21.500	21.500	21.500	22.480	22.480	20.000	20.000	20.000	20.000	21.800	21.800	18.900	18.900	18.900	18.900	17.100	17.100	17.100	17.100	17.257	17.257	17.229	17.229	15.055	15.055	14.423	14.423
STRIPPED SURFACE	25.683	24.716	24.943	23.936	24.743	23.482	24.313	23.060	22.521	22.656	21.500	22.182	21.500	21.746	22.480	21.330	20.000	20.892	20.000	20.446	21.800	20.020	18.900	19.592	18.900	18.531	17.100	18.159	17.100	18.268	17.257	18.688	17.229	16.849	15.055	16.377	14.423
EXISTING SURFACE	25.783	24.816	24.716	24.036	23.936	23.582	23.482	23.160	23.060	22.756	22.656	22.282	22.182	21.846	21.746	21.432	21.330	20.992	20.892	20.546	20.446	20.120	20.020	19.692	19.592	19.282	19.182	18.902	18.802	18.631	18.531	18.259	18.159	17.848	17.748	17.424	17.324	16.949	16.849	16.377	16.277	15.788	15.688	15.155	15.055	14.523	14.423	14.260	14.360
CHAINAGE	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	345.656

A-A - LONGITUDINAL SECTION
HORZ SCALE 1:500
VERT SCALE 1:100

10 0 10 20 30 40 50 METRES 1:500

2 0 2 4 6 8 10 METRES 1:100

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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CENTRAL COAST P: 02 4325 5255
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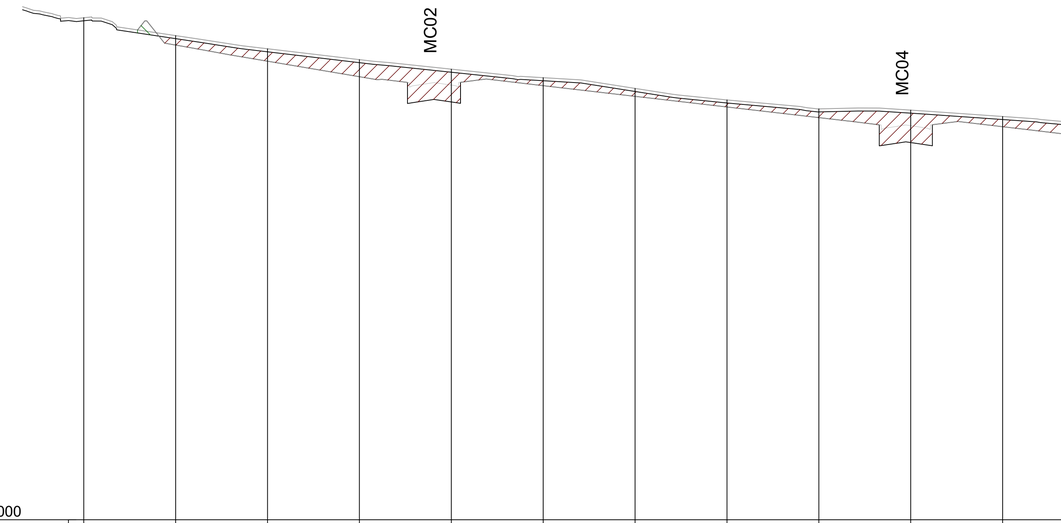
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

BULK EARTHWORKS LONGITUDINAL SECTIONS SHEET 1

Designed: JT
Drawn: DKH
Checked: SGB

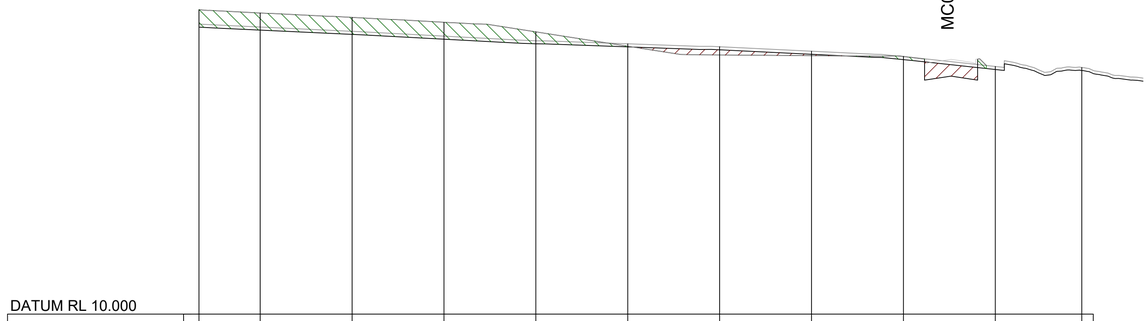
Scales: @A1 Plan - Horiz. 1:500 Vert. 1:100 X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-131
File Ref. CC180099
REV. F



DATUM RL 10.000																								
FINISHED SURFACE		25.493	24.967	24.460	24.186	24.168	23.820	23.473	23.125	22.861	22.828	22.472	22.114	21.755	21.424	21.395	20.889	20.379	19.869	19.329	19.540	19.879	20.218	20.013	19.933
BEW SURFACE		25.493	24.967	24.460	23.636	24.168	23.820	23.473	23.125	22.311	22.828	22.472	22.114	21.755	20.874	21.395	20.889	20.379	19.869	18.779	19.540	19.879	20.218	20.013	19.933
STRIPPED SURFACE	26.287	25.703	25.273	24.919	24.608	24.330	23.979	23.602	23.312	23.271	23.063	22.807	22.539	22.290	22.045	21.796	21.492	21.165	20.846	20.548	20.264	19.968	19.689	19.441	19.364
EXISTING SURFACE	26.387	25.803	25.373	25.019	24.708	24.430	24.079	23.702	23.412	23.371	23.163	22.907	22.639	22.390	22.145	21.896	21.592	21.265	20.946	20.648	20.364	20.068	19.789	19.541	19.464
CHAINAGE	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	350

B-B - LONGITUDINAL SECTION
HORZ SCALE 1:500
VERT SCALE 1:100



DATUM RL 10.000										
FINISHED SURFACE	19.933	19.827	19.683	19.525	19.211	18.743	18.457	18.435	18.409	
BEW SURFACE	19.933	19.827	19.683	19.525	19.211	18.743	18.457	18.435	18.409	
STRIPPED SURFACE	19.364	19.269	19.128	18.972	18.822	18.721	18.625	18.479	18.305	17.982
EXISTING SURFACE	19.464	19.369	19.228	19.072	18.922	18.821	18.725	18.579	18.405	18.082
CHAINAGE	350	360	375	390	405	420	435	450	465	480

B-B - LONGITUDINAL SECTION
HORZ SCALE 1:500
VERT SCALE 1:100

10 0 10 20 30 40 50 1:500
METRES

2 0 2 4 6 8 10 1:100
METRES

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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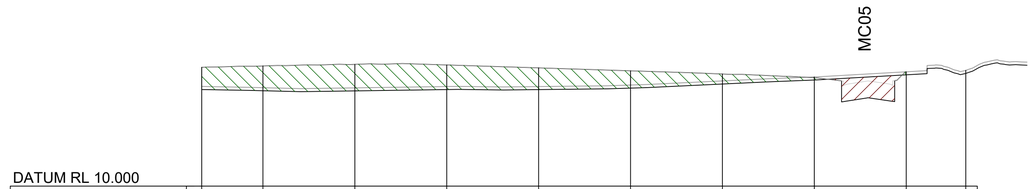
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

BULK EARTHWORKS LONGITUDINAL SECTIONS SHEET 2

Designed: JT
Drawn: DKH
Checked: SGB

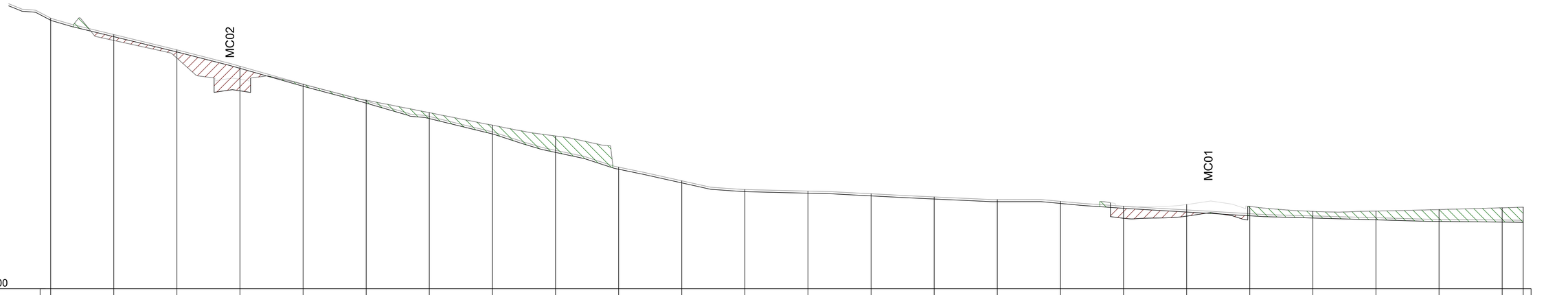
Scales: @A1 Plan - Horiz. 1:500 Vert. 1:100 X-Sect. -
Datum: A.H.D.

Plan No.
CC180099-07-132
File Ref. CC180099
REV. F

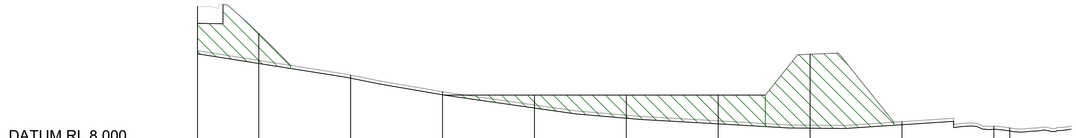


DATUM RL 10.000											
FINISHED SURFACE	13.877	13.920	13.973	13.954	13.858	13.761	13.657	13.537			
BEW SURFACE	13.877	13.920	13.973	13.954	13.858	13.761	13.657	13.537			
STRIPPED SURFACE	13.152	13.112	13.106	13.150	13.148	13.198	13.332	13.462	13.630	13.677	
EXISTING SURFACE	13.252	13.212	13.206	13.250	13.248	13.298	13.432	13.562	13.730	13.777	
CHAINAGE	350	360	375	390	405	420	435	450	465	474.731	

C-C - LONGITUDINAL SECTION
HORZ SCALE 1:500
VERT SCALE 1:100

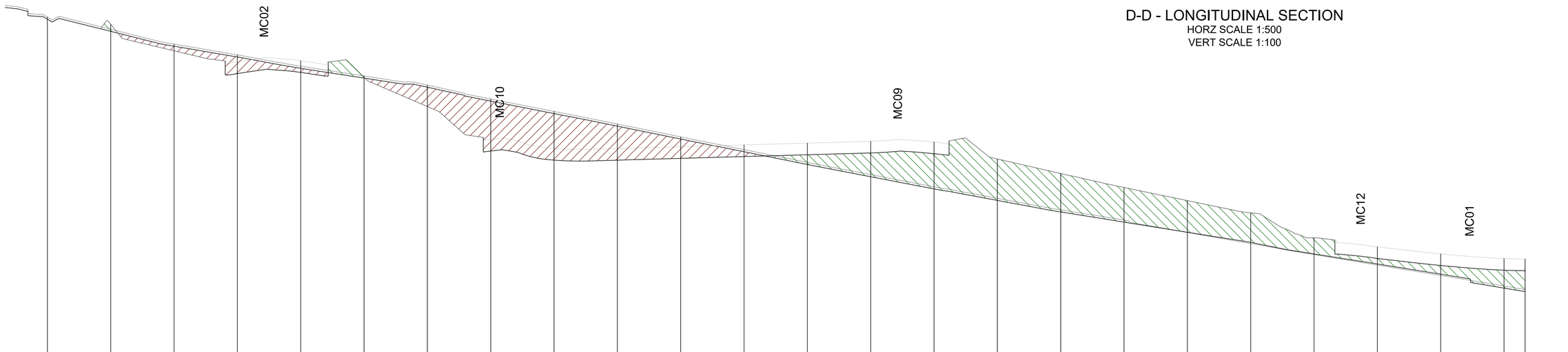


| DATUM RL 10.000 | | | | | | | | | | |



DATUM RL 8.000													
FINISHED SURFACE	12.491	11.609						10.933					
BEW SURFACE	11.941	11.609			9.600	9.600	9.600	10.933					
STRIPPED SURFACE	10.947	10.631	10.150	9.609	9.178	8.843	8.659	8.519	8.632	8.482	8.429		
EXISTING SURFACE	11.047	10.731	10.250	9.709	9.278	8.943	8.759	8.619	8.732	8.582	8.529		
CHAINAGE	350	360	375	390	405	420	435	450	465	480	482.602		

D-D - LONGITUDINAL SECTION
HORZ SCALE 1:500
VERT SCALE 1:100



DATUM RL 8.000																																					
FINISHED SURFACE		23.592	22.334	21.803	21.862	21.082	19.698	18.141	17.715	17.712	17.797	17.882	17.967	18.053	18.017	17.217	16.530	15.873	15.250	14.669	13.487	13.059	12.730	12.510	12.491												
BEW SURFACE		23.592	22.334	21.255	21.311	21.082	19.698	17.591	17.165	17.162	17.247	17.332	17.418	17.503	17.467	17.217	16.530	15.873	15.250	14.669	13.487	12.512	12.180	11.957	11.941												
STRIPPED SURFACE	23.830	23.252	22.552	22.041	21.506	21.043	20.612	19.956	19.365	18.771	18.162	17.563	16.957	16.378	15.802	15.259	14.712	14.230	13.752	13.274	12.727	12.251	11.768	11.110	10.947												
EXISTING SURFACE	23.930	23.352	22.652	22.141	21.606	21.143	20.712	20.056	19.465	18.871	18.262	17.663	17.057	16.478	15.902	15.359	14.812	14.330	13.745	13.217	12.695	12.198	11.708	11.210	11.047												
CHAINAGE	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	350												

D-D - LONGITUDINAL SECTION
HORZ SCALE 1:500
VERT SCALE 1:100

10 0 10 20 30 40 50 METRES 1:500

2 0 2 4 6 8 10 METRES 1:100

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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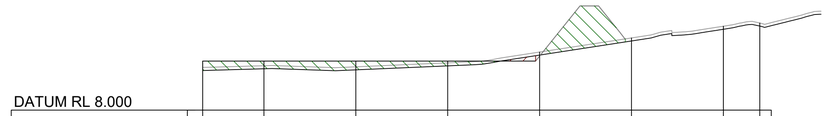
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

BULK EARTHWORKS LONGITUDINAL SECTIONS SHEET 4

Designed: JT
Drawn: DKH
Checked: SGB

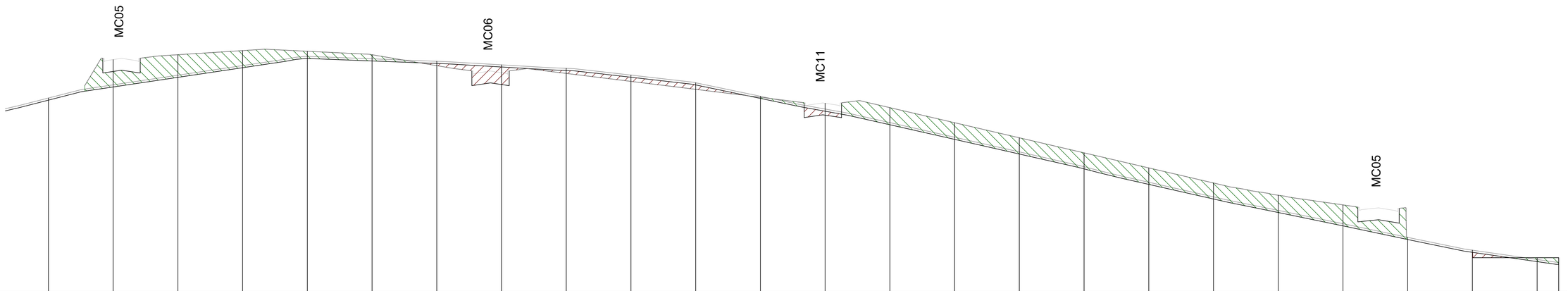
Scales: @A1 Plan -, Horiz. 1:500, Vert. 1:100, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-134
File Ref. CC180099
REV. F

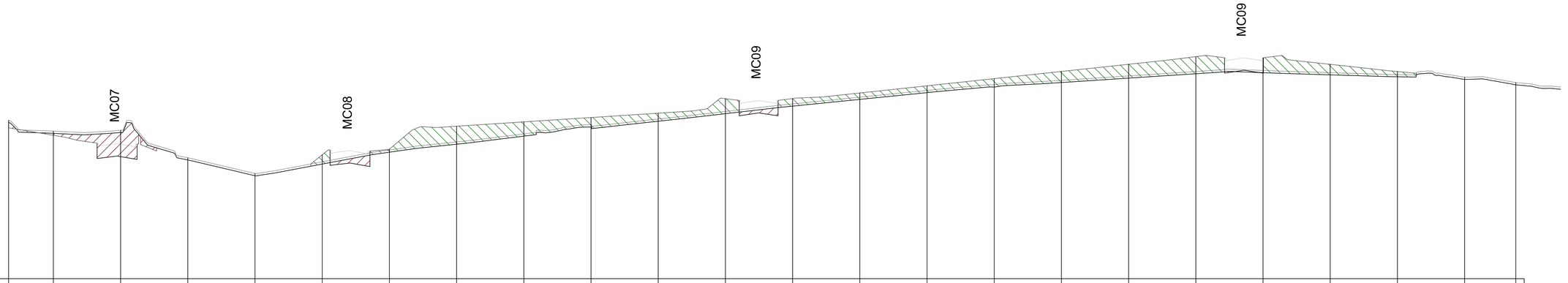


DATUM RL 8.000								
FINISHED SURFACE					9.761			
BEW SURFACE	9.600	9.600	9.600	9.600	9.761			
STRIPPED SURFACE	9.291	9.348	9.313	9.442	9.794	10.255	10.637	10.741
EXISTING SURFACE	9.391	9.448	9.413	9.542	9.894	10.355	10.737	10.841
CHAINAGE	350	360	375	390	405	420	435	440.945

1-1 - LONGITUDINAL SECTION
HORZ SCALE 1:500
VERT SCALE 1:100

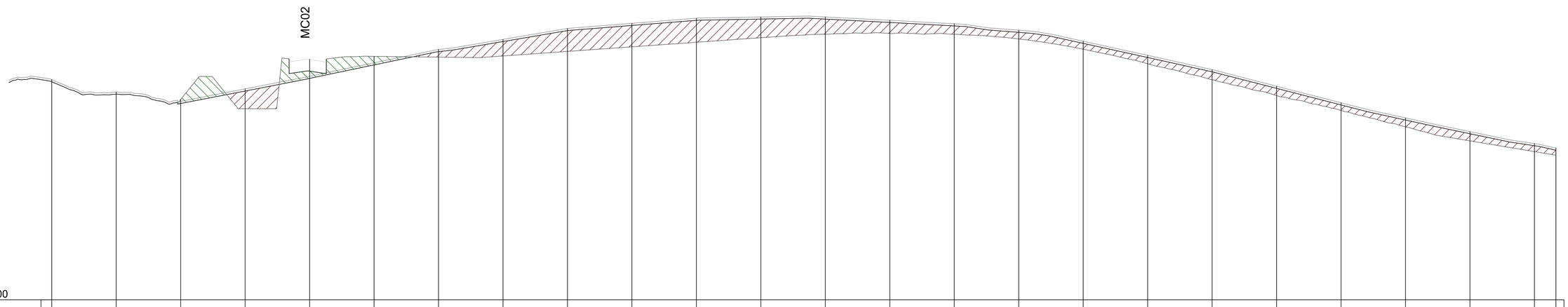


| DATUM RL 8.000 | | | | | | | |



DATUM RL 10.000																													
FINISHED SURFACE	16.734	16.400	15.997			15.528	15.782	16.804	16.998	17.192	17.386	18.033	18.039	18.288	18.609	18.929	19.249	19.570	19.909	19.858	19.567	19.245							
BEW SURFACE	16.734	16.400	15.447			15.528	15.782	16.804	16.998	17.192	17.386	18.033	18.039	18.288	18.609	18.929	19.249	19.570	19.909	19.175	19.567	19.245							
STRIPPED SURFACE	16.966	16.485	16.521	15.297	14.594	15.115	15.644	16.001	16.361	16.770	17.026	17.364	17.701	18.002	18.304	18.552	18.755	18.950	19.146	19.194	19.097	19.012	18.894	18.653					
EXISTING SURFACE	17.066	16.585	16.621	15.397	14.694	15.215	15.744	16.101	16.461	16.870	17.126	17.464	17.801	18.102	18.404	18.652	18.855	19.050	19.246	19.294	19.197	19.112	18.994	18.753					
CHAINAGE	350	360	375	390	405	420	435	450	465	480	495	510	525	540	555	570	585	600	615	630	645	660	675	686.419					

2-2 - LONGITUDINAL SECTION
HORZ SCALE 1:500
VERT SCALE 1:100



DATUM RL 10.000																													
FINISHED SURFACE			19.331	18.900	21.197	21.336	21.300	21.355	21.567	21.780	21.993	22.205	22.363	22.402	22.363	22.146	21.671	20.993	20.247	19.511	18.815	18.049	17.401	16.900	16.734				
BEW SURFACE			19.331	18.900	20.647	21.336	21.300	21.355	21.567	21.780	21.993	22.205	22.363	22.402	22.363	22.146	21.671	20.993	20.247	19.511	18.815	18.049	17.401	16.900	16.734				
STRIPPED SURFACE	20.153	19.574	19.140	19.722	20.306	20.937	21.554	22.026	22.535	22.775	23.012	23.073	23.072	22.915	22.753	22.454	21.942	21.283	20.617	19.847	19.076	18.371	17.732	17.176	16.966				
EXISTING SURFACE	20.253	19.674	19.240	19.822	20.406	21.037	21.654	22.126	22.635	22.875	23.112	23.173	23.172	23.015	22.853	22.554	22.042	21.383	20.717	19.947	19.176	18.471	17.832	17.276	17.066				
CHAINAGE	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300	315	330	345	350				

2-2 - LONGITUDINAL SECTION
HORZ SCALE 1:500
VERT SCALE 1:100

10 0 10 20 30 40 50 METRES 1:500

2 0 2 4 6 8 10 METRES 1:100

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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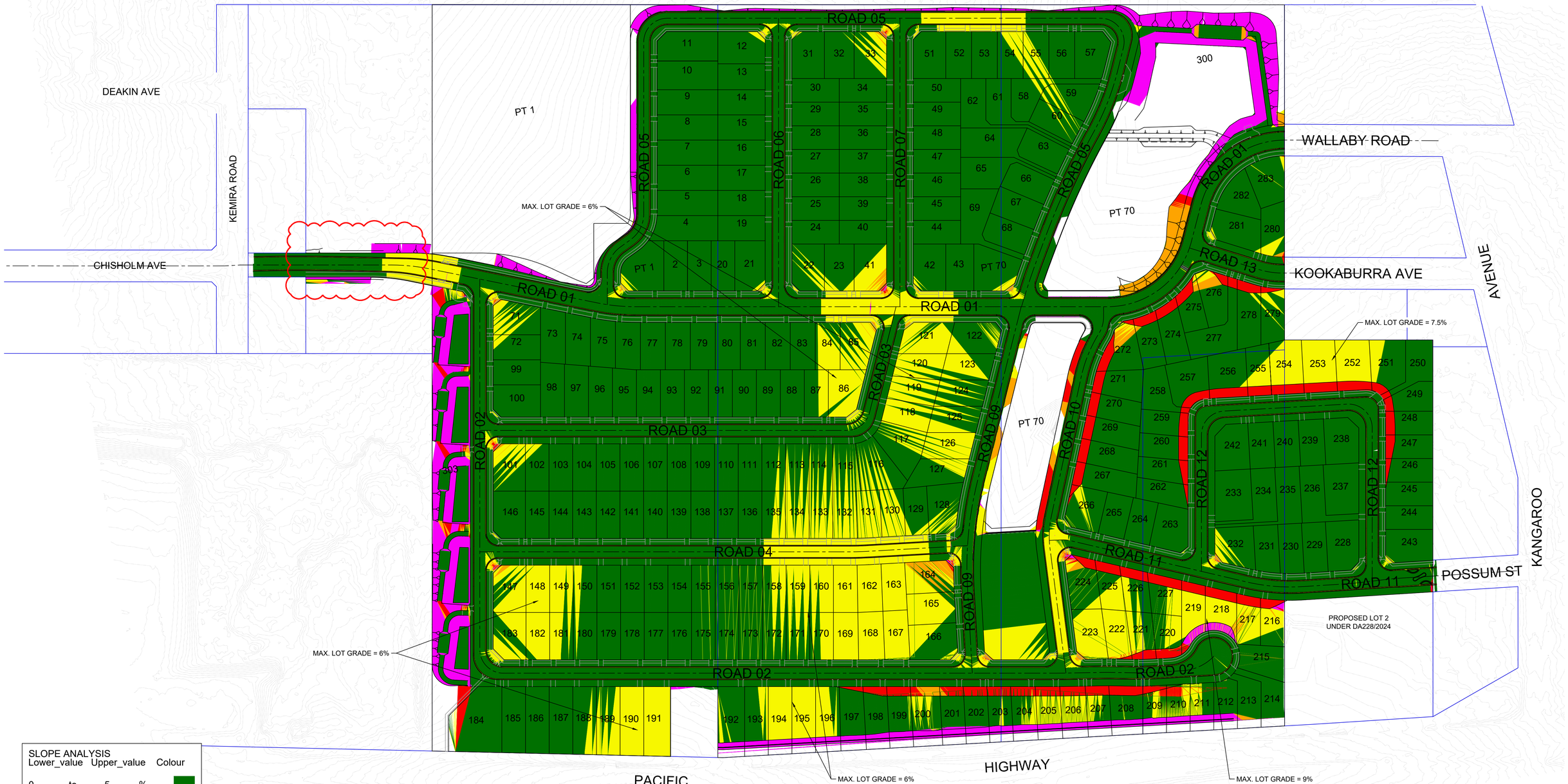
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

BULK EARTHWORKS LONGITUDINAL SECTIONS SHEET 6

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan - Horiz. 1:500 Vert. 1:100 X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-136
File Ref. CC180099
REV. F



SLOPE ANALYSIS

Lower_value		Upper_value		Colour
0	to	5	%	
5	to	10	%	
10	to	15	%	
15	to	20	%	
15	to	100	%	

PLAN
SCALE 1:1250

25 0 25 50 75 105 125
METRES
1:1250

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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ENGINEERING | PLANNING | PROJECT MANAGEMENT | SURVEYING | CERTIFICATION
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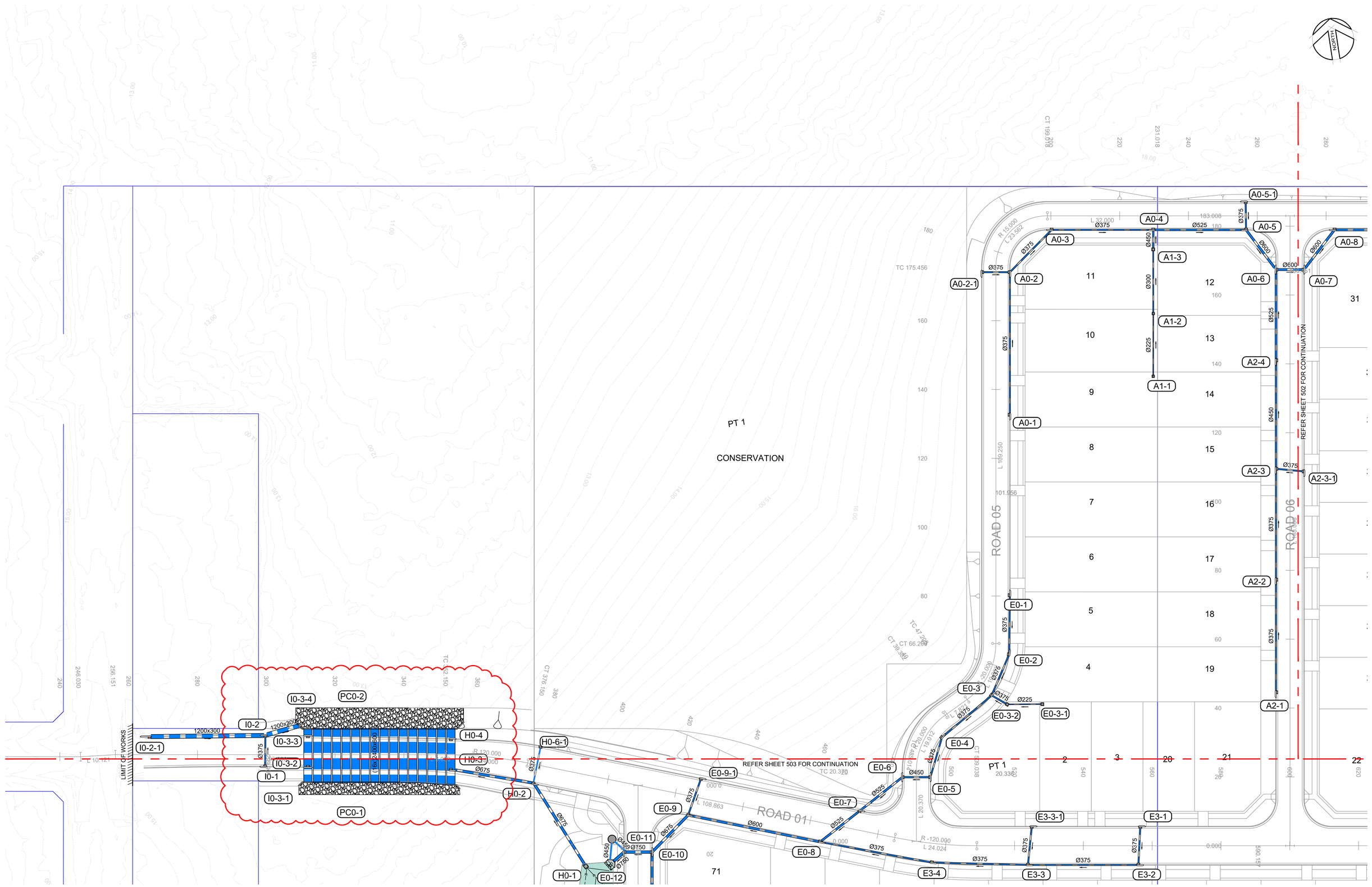
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

LOT GRADING PLAN

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:1250, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-151
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

10 0 10 20 30 40 50 METRES 1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

BARKER RYAN STEWART
ENGINEERING | PLANNING | PROJECT MANAGEMENT | SURVEYING | CERTIFICATION

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CENTRAL COAST P: 02 4325 5255
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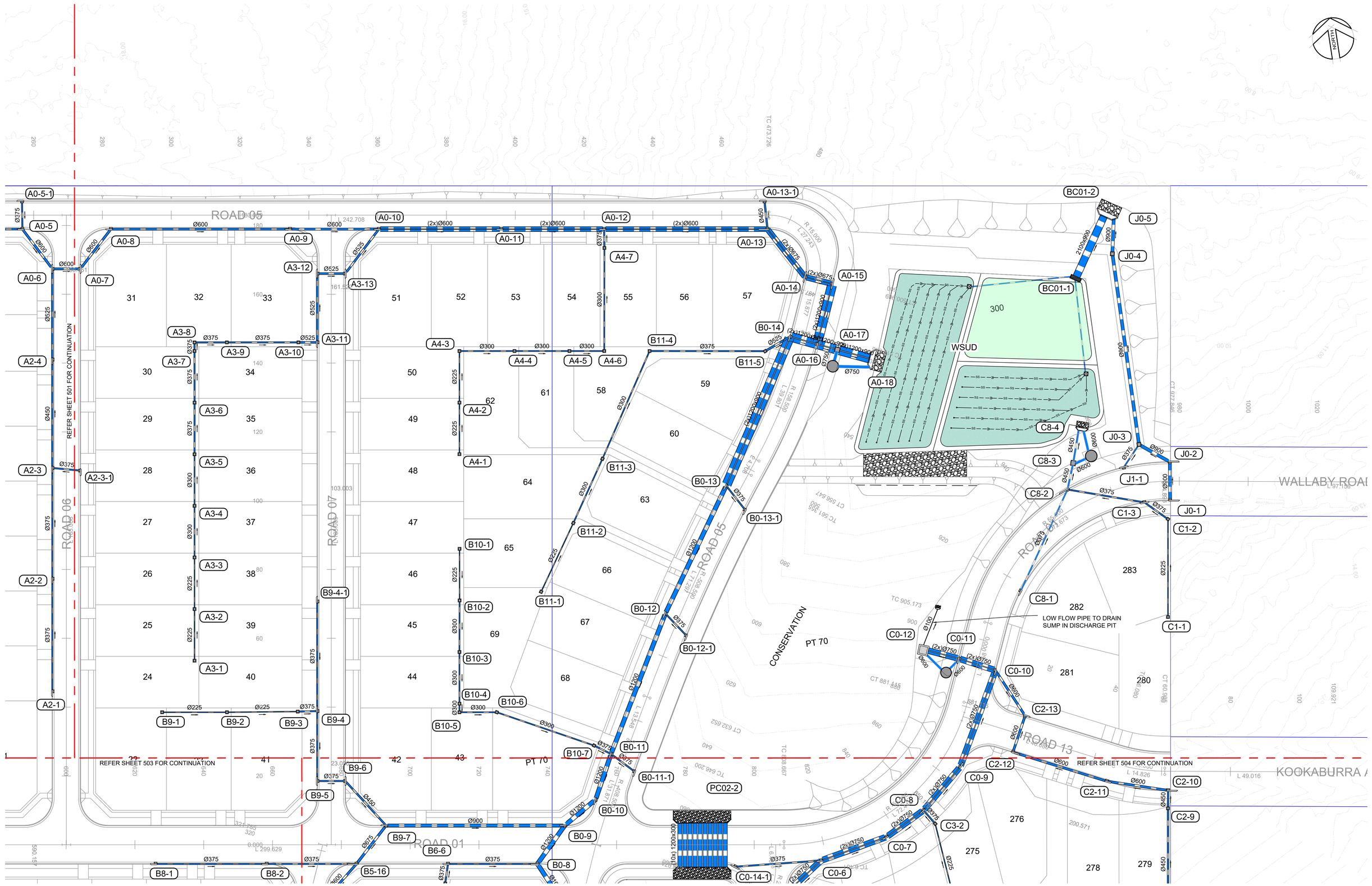
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

DRAINAGE PLAN SHEET 1

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-511
File Ref. CC180099
REV. F



REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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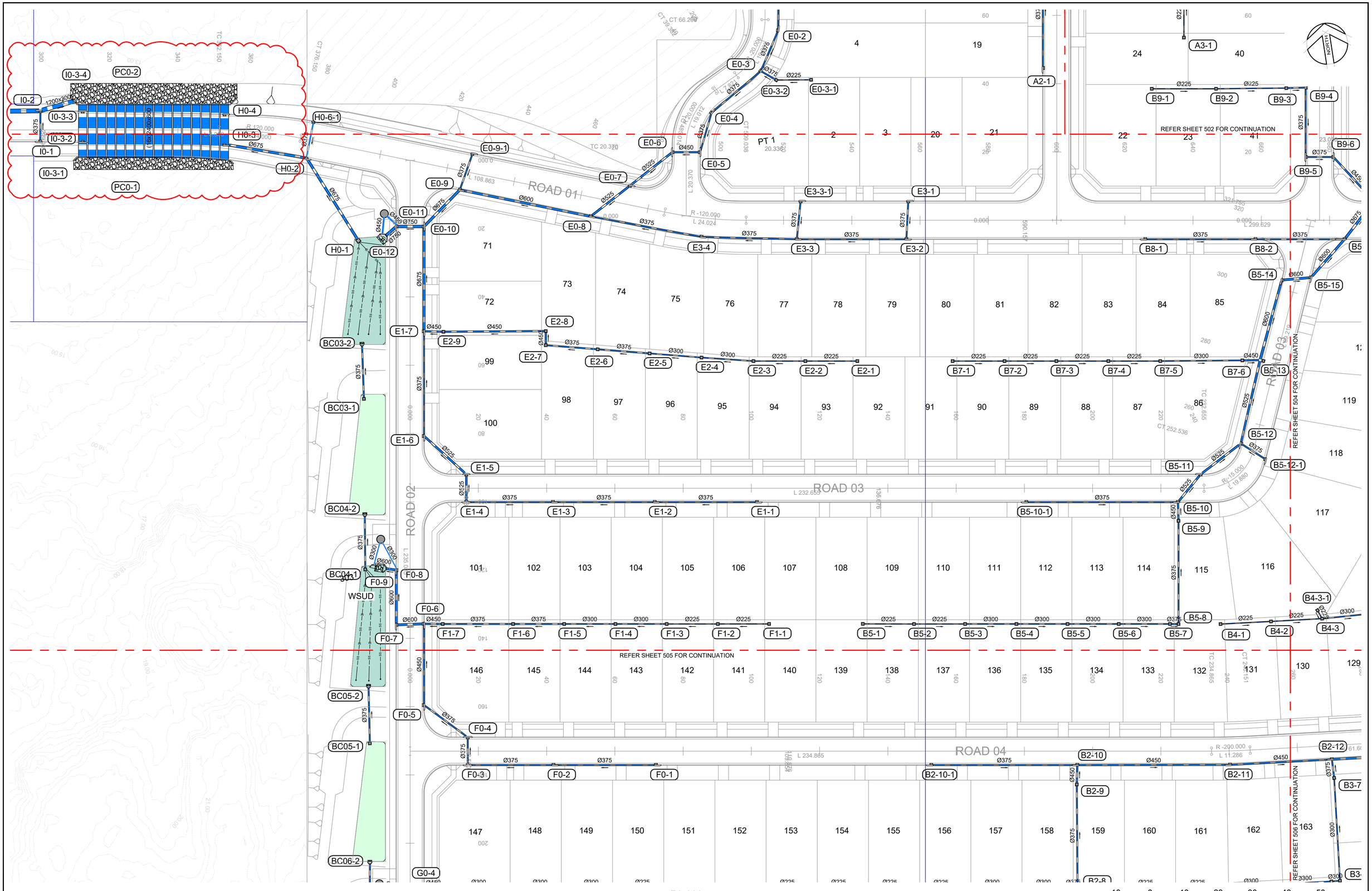
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

DRAINAGE PLAN SHEET 2

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1
Plan 1:500
Horiz. -
Vert. -
X-Sect. -
Datum: A.H.D.

Plan No.
CC180099-07-512
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

10 0 10 20 30 40 50 METRES 1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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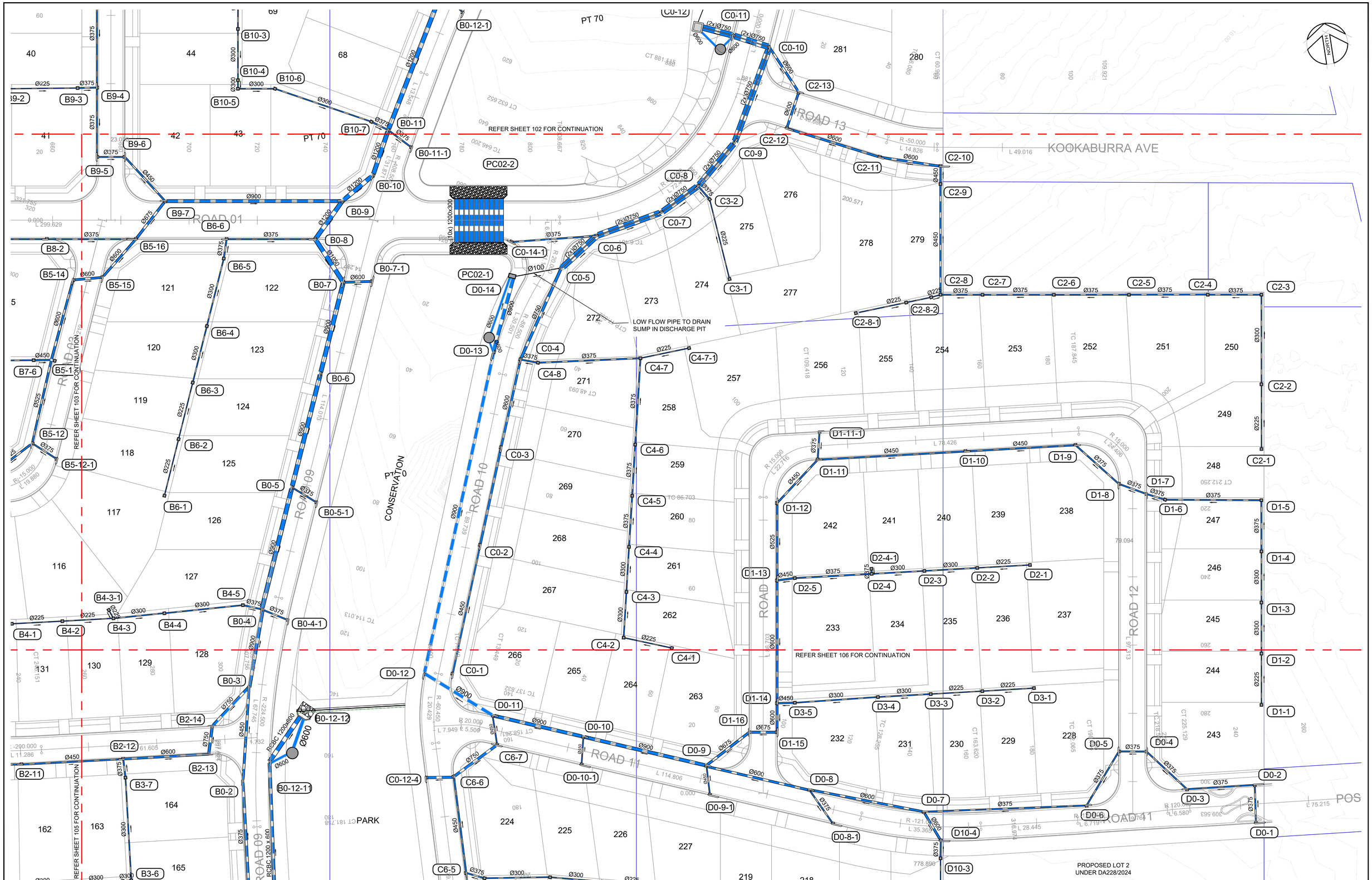
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

DRAINAGE PLAN SHEET 3

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-513
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

10 0 10 20 30 40 50 METRES 1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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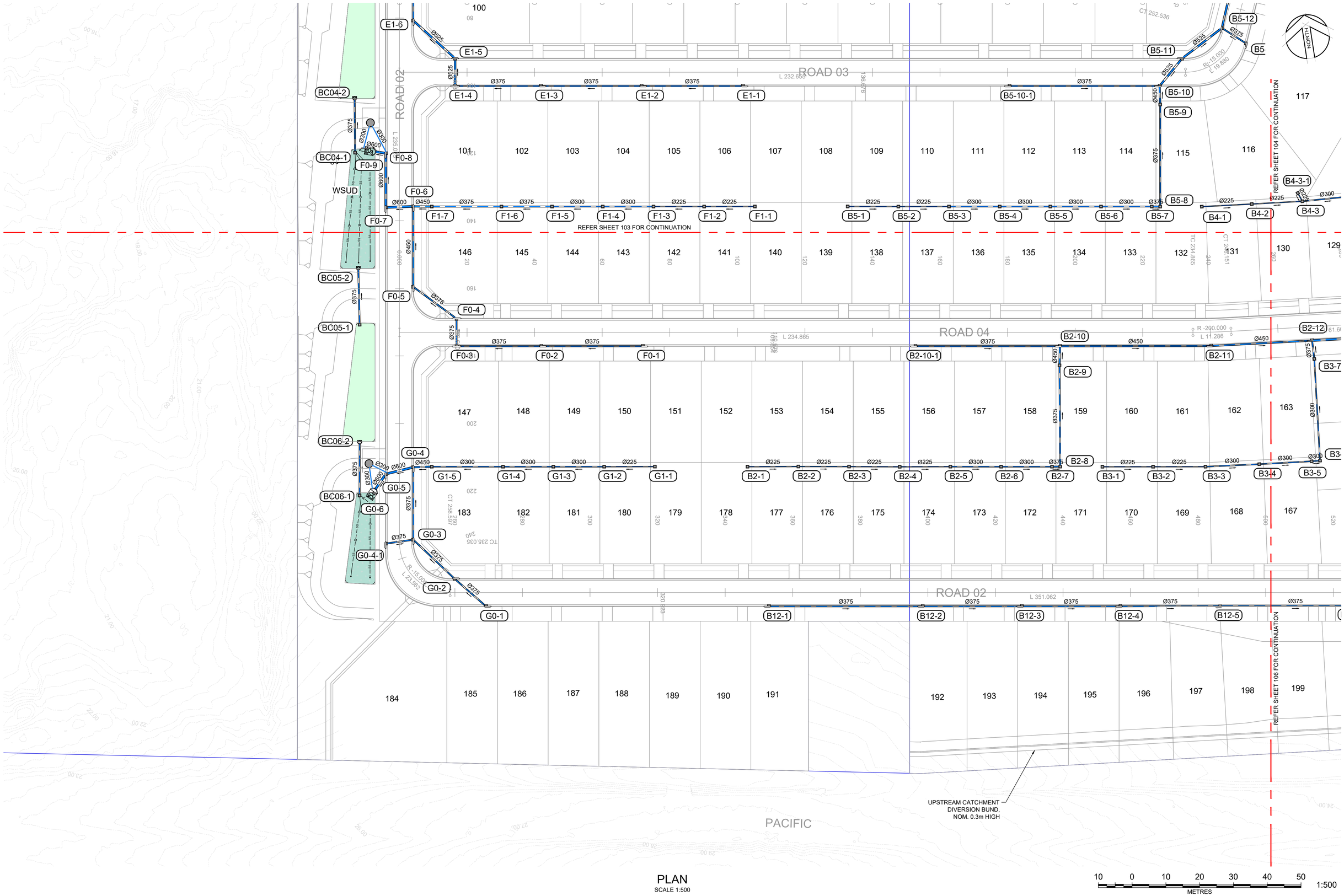
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

DRAINAGE PLAN SHEET 4

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-514
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

10 0 10 20 30 40 50
METRES
1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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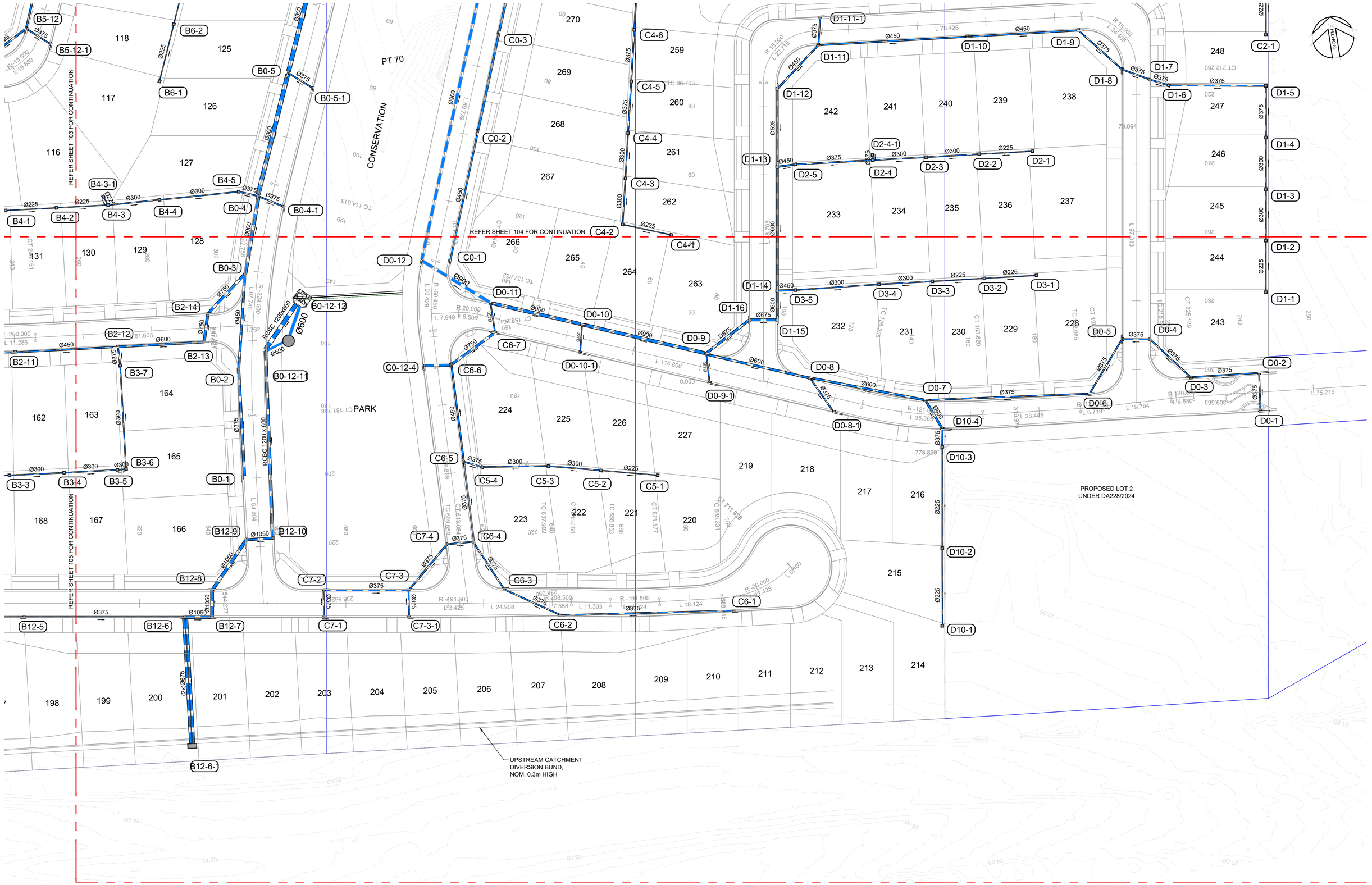
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

DRAINAGE PLAN SHEET 5

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500 Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-515
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

10 0 10 20 30 40 50 METRES 1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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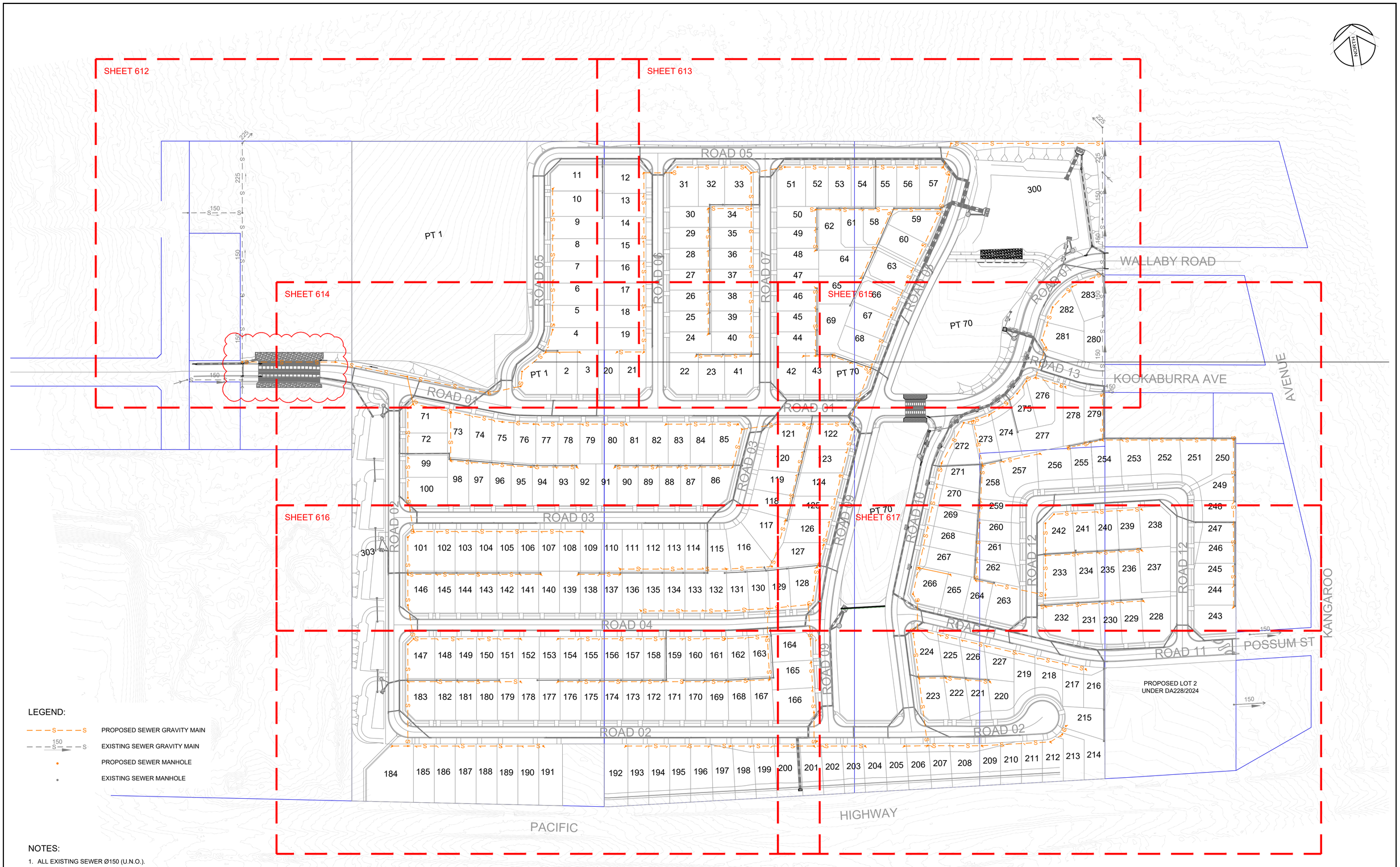
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PROPOSED RESIDENTIAL SUBDIVISION

DRAINAGE PLAN SHEET 6

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-516
File Ref. CC180099
REV. F



LEGEND:

- PROPOSED SEWER GRAVITY MAIN
- EXISTING SEWER GRAVITY MAIN
- PROPOSED SEWER MANHOLE
- EXISTING SEWER MANHOLE

NOTES:

1. ALL EXISTING SEWER Ø150 (U.N.O.).

PLAN
SCALE 1:1250

25 0 25 50 75 105 125
METRES
1:1250

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
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F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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SEWER LAYOUT PLAN

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:1250, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-611
File Ref. CC180099
REV. F

EXISTING SMH BM/10

EXISTING SMH BN/10

EXISTING SMH BM/11

DEAKIN AVENUE

KEMIRA ROAD

EXISTING SMH BM/12

RETAIN DN150 SEWER

CONSTRUCT NEW SMH OVER EXISTING SEWER

SEWER ENCASED UNDER CULVERTS. CULVERTS PIERED TO BEYOND SEWER ZOI. ALL WORKS TO COUNCIL REQUIREMENTS.

CHISHOLM AVENUE

LIMIT OF WORKS

EXISTING SMH BM/13

PT 1

ROAD 1

ROAD 2

ROAD 5

ROAD 6

GRADED AGAINST FALL OF LAND

REFER SHEET 613 FOR CONTINUATION

REFER SHEET 614 FOR CONTINUATION

NOTE: REFER TO BRS LETTER DATED 21/03/2025 FOR ADDITIONAL DETAIL REGARDING CONNECTION OF PROPOSED SEWER TO THE EXISTING NETWORK.

PLAN
SCALE 1:500

10 0 10 20 30 40 50
METRES
1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
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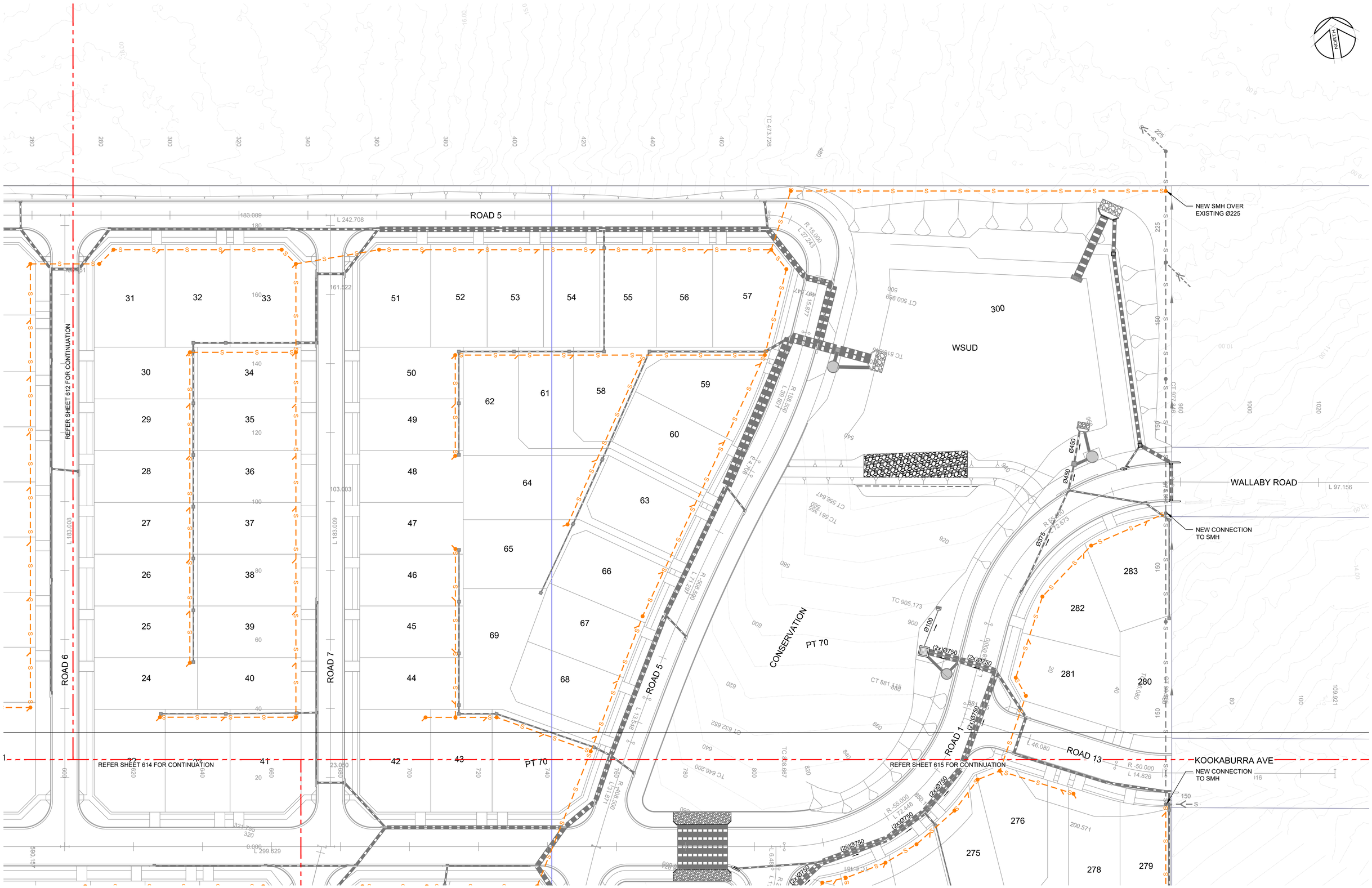
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

SEWER DETAIL PLAN SHEET 1

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-612
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

10 0 10 20 30 40 50 METRES 1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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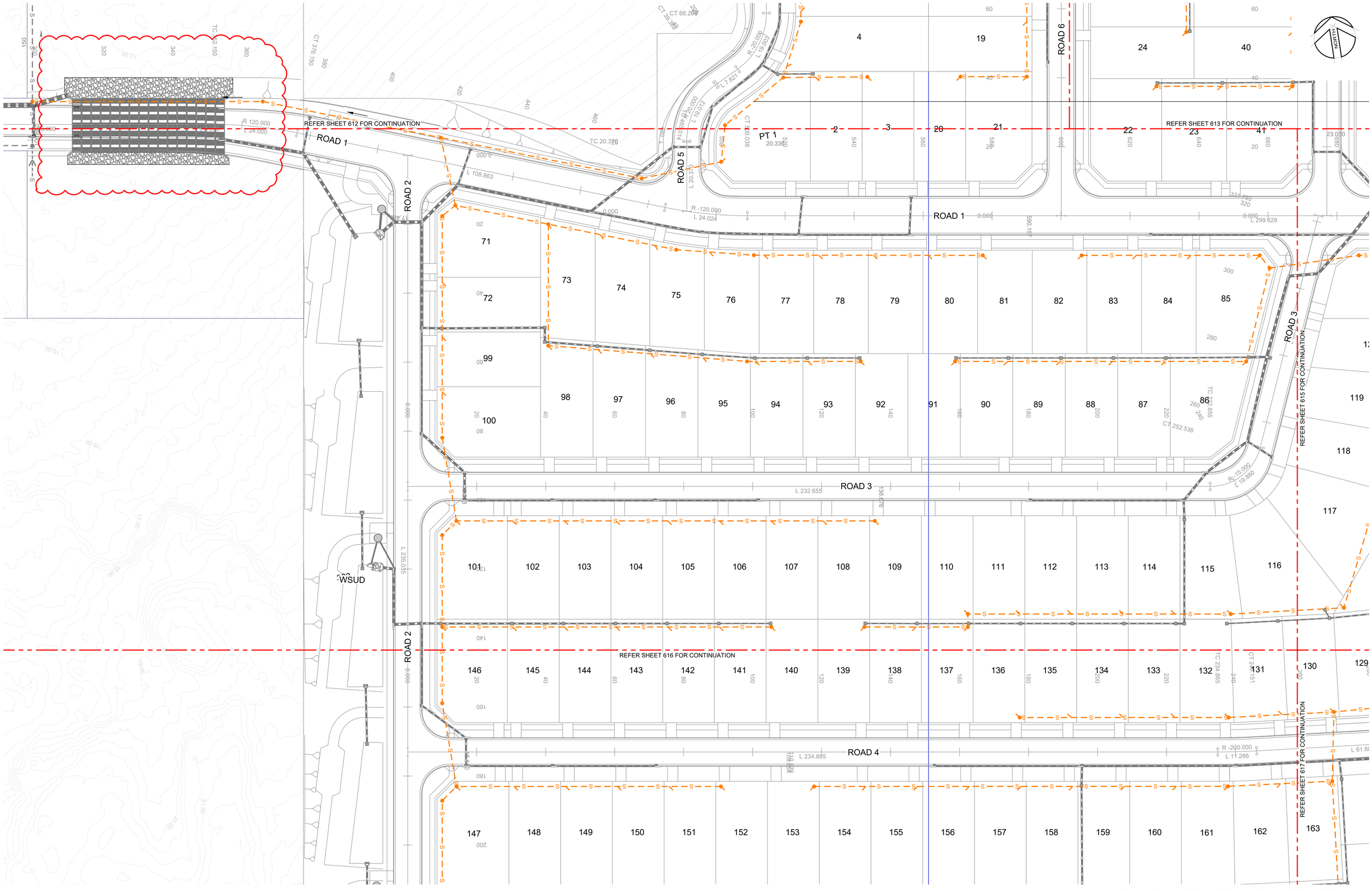
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

SEWER DETAIL PLAN SHEET 2

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-613
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

10 0 10 20 30 40 50 METRES 1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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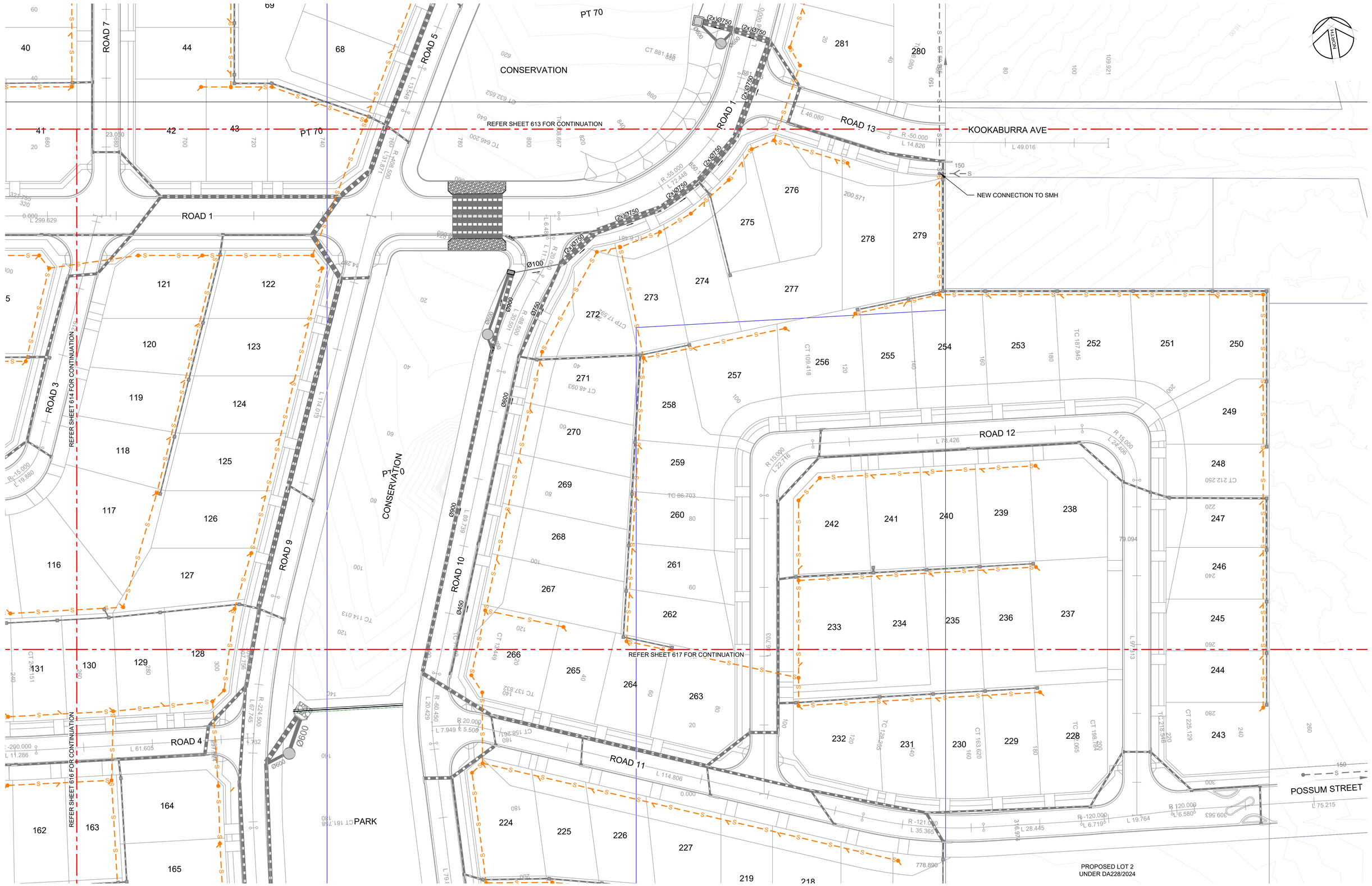
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
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SEWER DETAIL PLAN SHEET 3

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500 Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-614
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

10 0 10 20 30 40 50
METRES
1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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SEWER DETAIL PLAN SHEET 4

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500 Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-615
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

10 0 10 20 30 40 50
METRES
1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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SEWER DETAIL PLAN SHEET 5

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-616
File Ref. CC180099
REV. F



REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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SEWER DETAIL PLAN SHEET 6

Designed: JT
Drawn: DKH
Checked: SGB

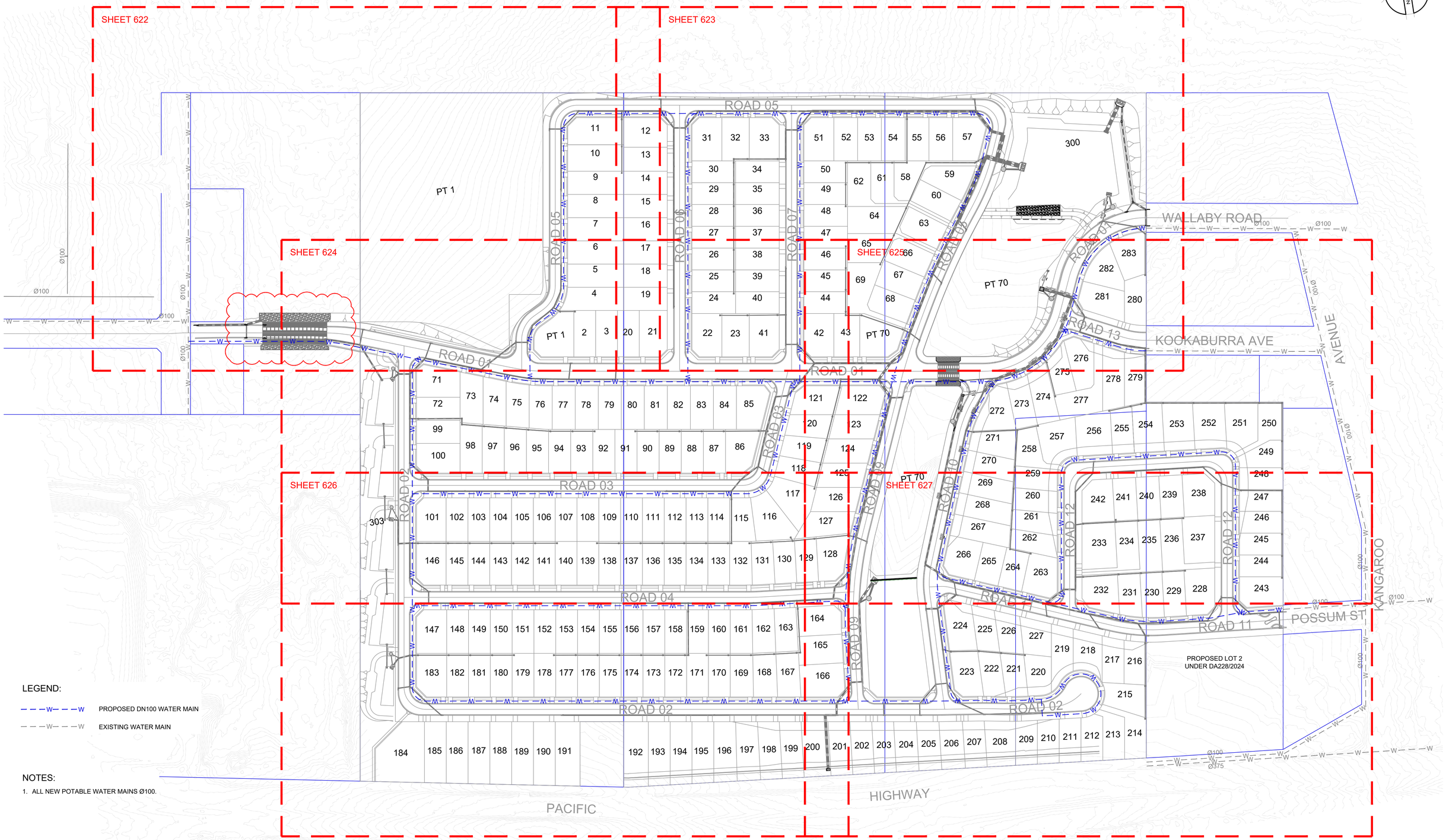
Scales: @A1
Plan 1:500
Horiz. -
Vert. -
X-Sect. -

Datum: A.H.D.

Plan No.
CC180099-07-617

File Ref.
CC180099

REV.
F



LEGEND:

- PROPOSED DN100 WATER MAIN
- EXISTING WATER MAIN

NOTES:

1. ALL NEW POTABLE WATER MAINS Ø100.

PLAN
SCALE 1:1250

25 0 25 50 75 105 125 METRES 1:1250

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
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E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
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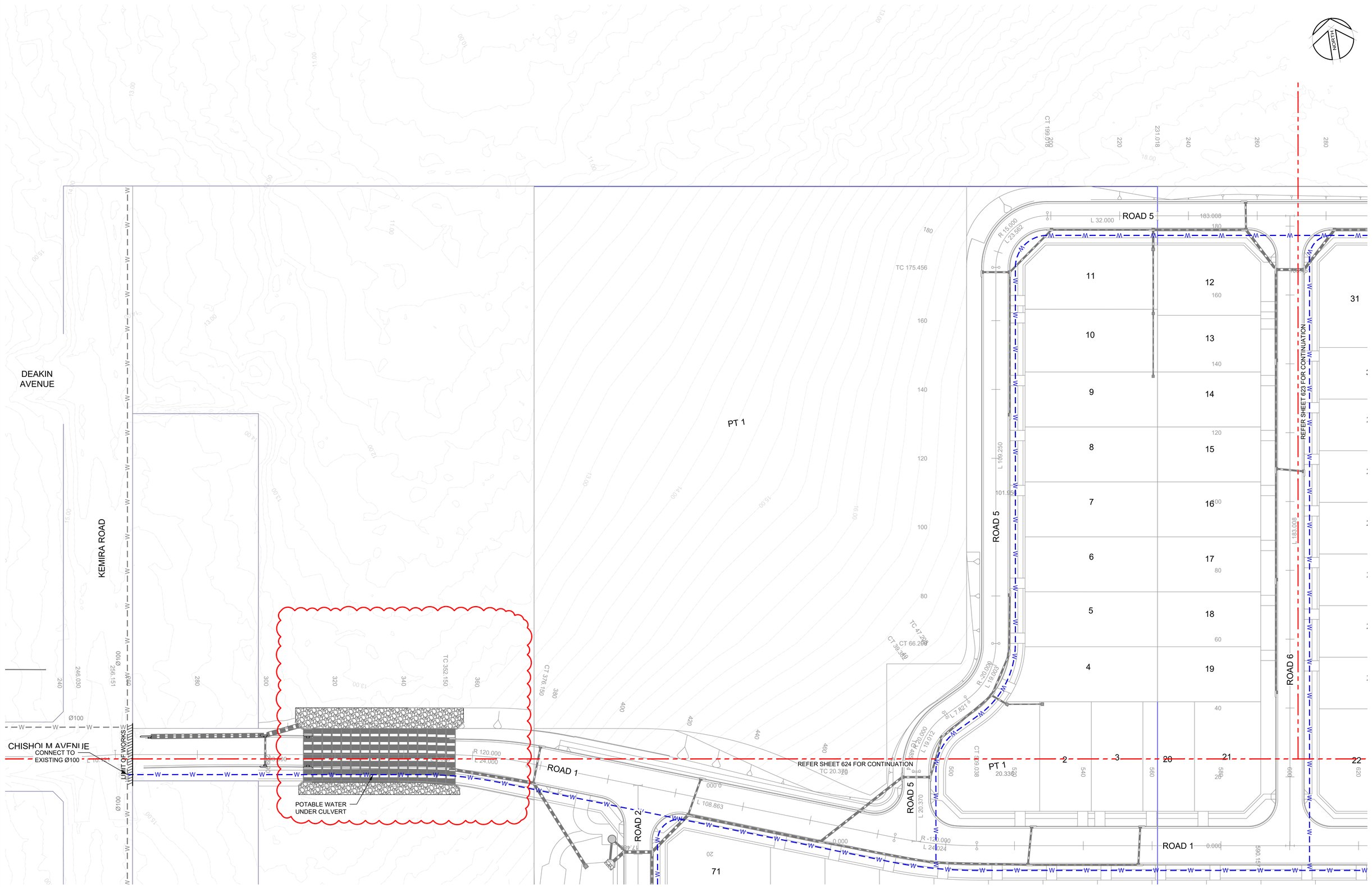
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

WATER LAYOUT PLAN

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:1250, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-621
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
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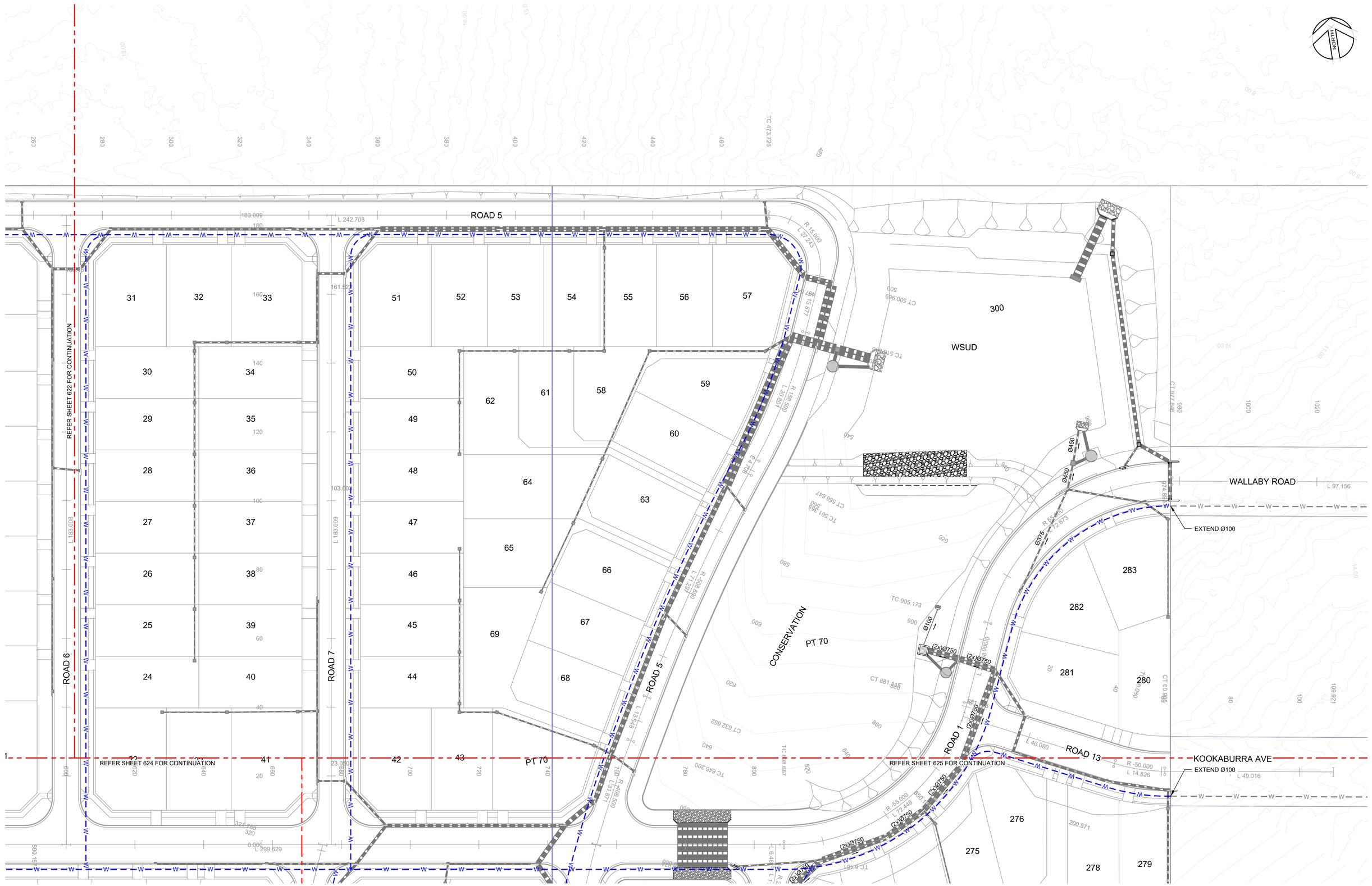
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
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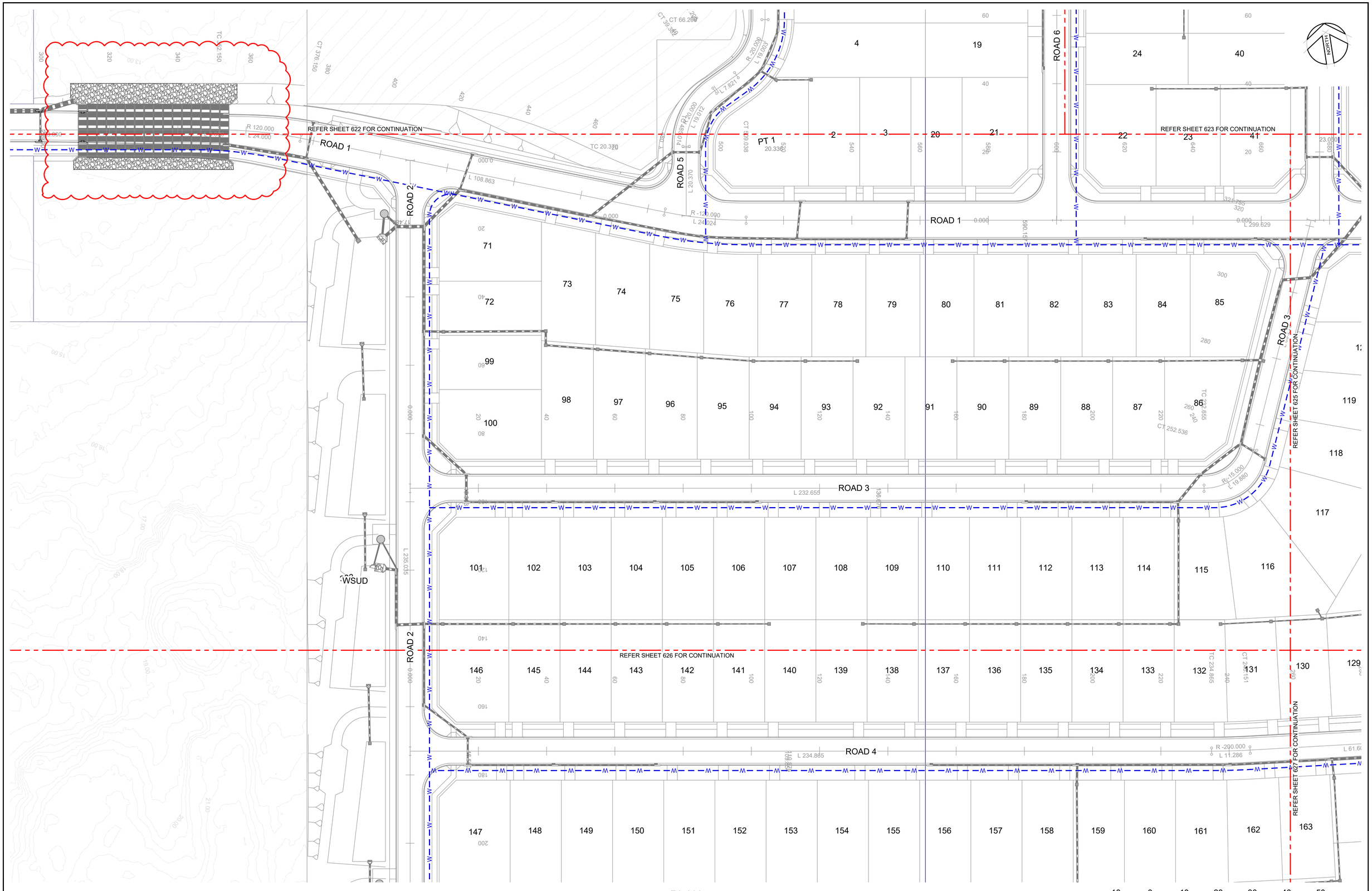
WATER DETAIL PLAN SHEET 1

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500 Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-622
File Ref. CC180099
REV. F


NORTH
ROAD 5
ROAD 6
ROAD 7
ROAD 1
ROAD 13
WALLABY ROAD
KOOKABURRA AVE
CONSERVATION
PT 70
WSUD
EXTEND Ø100
EXTEND Ø100
REFER SHEET 622 FOR CONTINUATION
REFER SHEET 624 FOR CONTINUATION
REFER SHEET 625 FOR CONTINUATION
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Ø375
Ø100
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L 183.008
L 183.009
L 242.708
L 299.629
R 15.000
L 27.243
R 158.500
L 58.601
R 508.500
L 77.297
R 408.500
L 137.671
R 508.500
L 134.849
R-55.000
L 72.448
R-50.000
L 14.826
L 46.080
L 49.016
R 55.000
L 72.673
200.571
109.921
CT 977.846
CT 60.985
CT 881.445
CT 632.652
CT 556.647
CT 561.355
CT 500.969
TC 905.173
TC 646.200
TC 818.667
TC 516.046
TC 473.726
TC 6.161
TC 15.877
TC 5.708
TC 974.851
TC 12.673
TC 14.298



PLAN
SCALE 1:500

10 0 10 20 30 40 50 METRES 1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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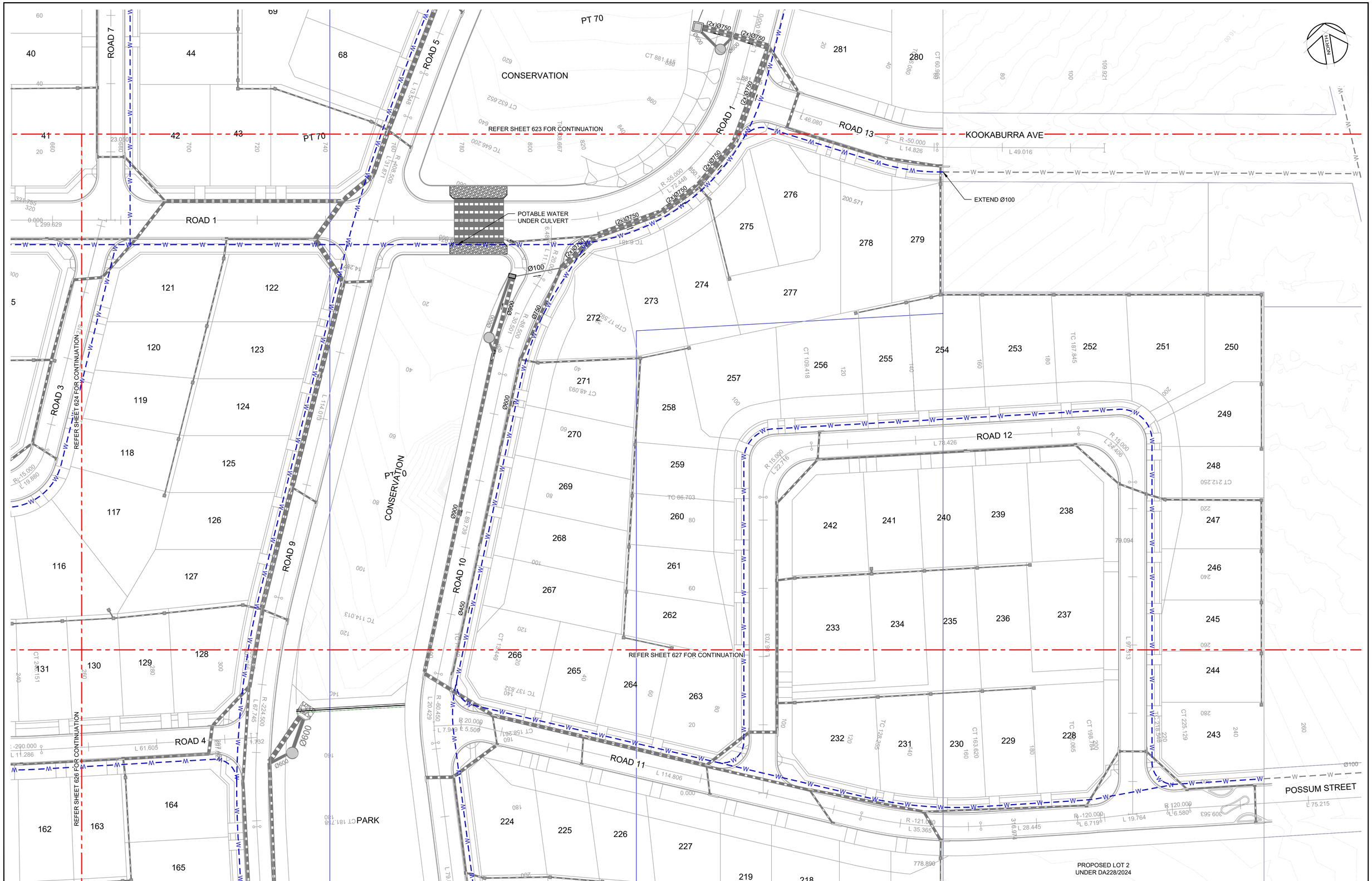
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

WATER DETAIL PLAN SHEET 3

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-624
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

10 0 10 20 30 40 50 METRES 1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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WATER DETAIL PLAN SHEET 4

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-625
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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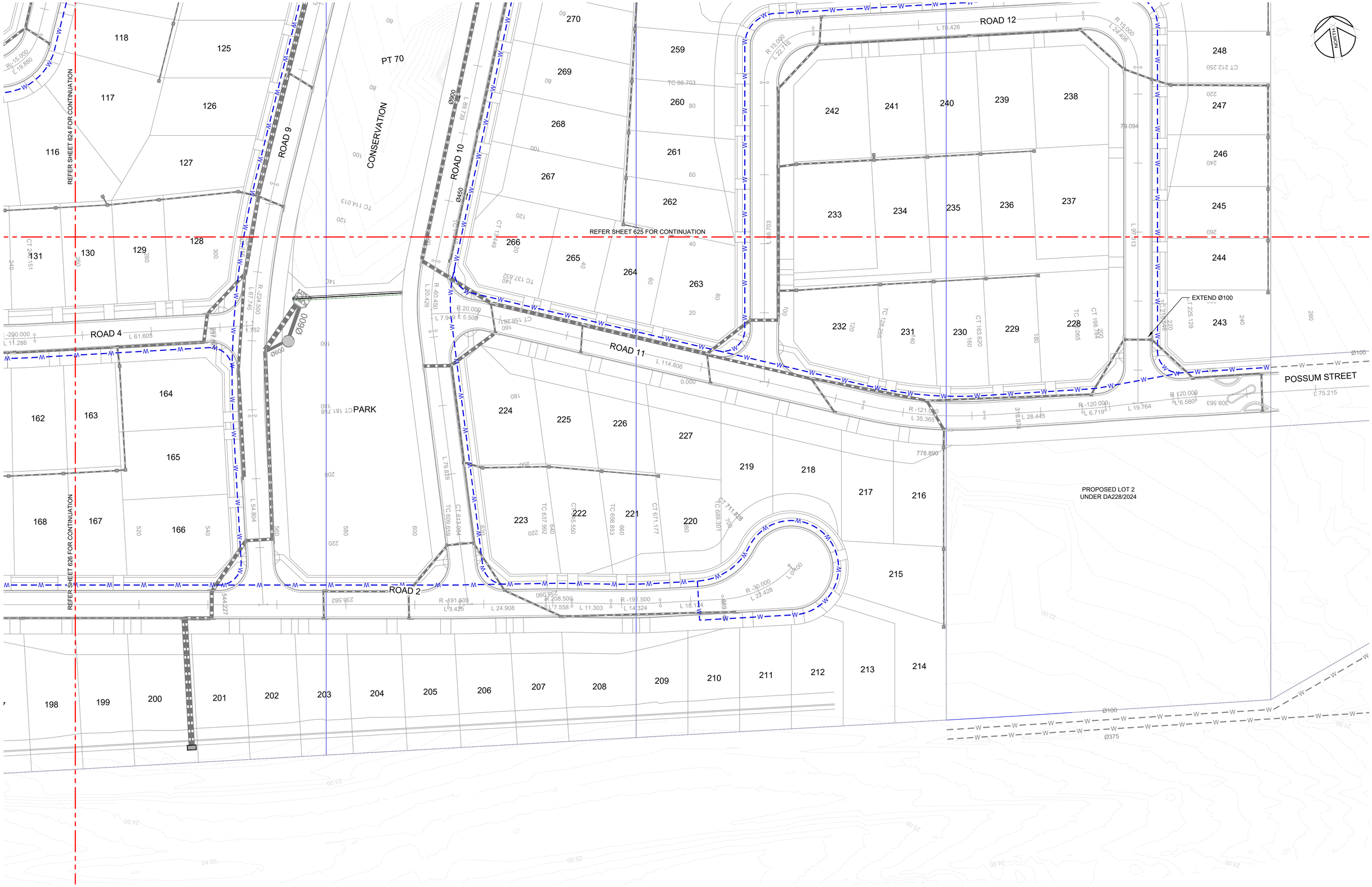
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WATER DETAIL PLAN SHEET 5

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1
Plan 1:500
Horiz. -
Vert. -
X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-626
File Ref. CC180099
REV. F



PLAN
SCALE 1:500

10 0 10 20 30 40 50 1:500
METRES

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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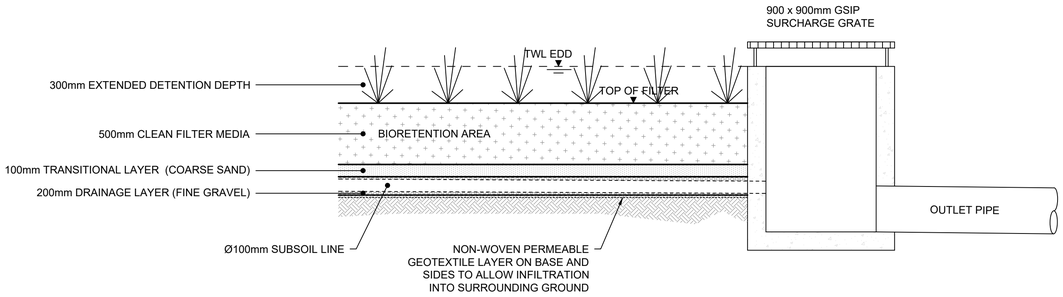
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PROPOSED RESIDENTIAL SUBDIVISION

WATER DETAIL PLAN SHEET 6

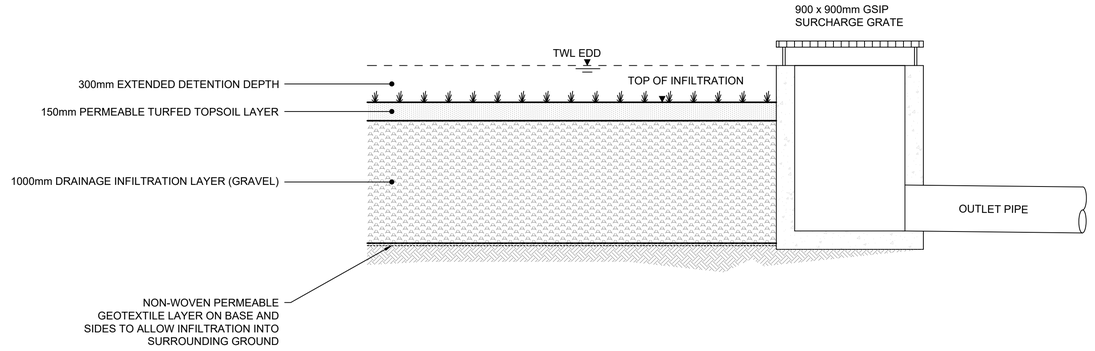
Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1
Plan 1:500
Horiz. -
Vert. -
X-Sect. -
Datum: A.H.D.

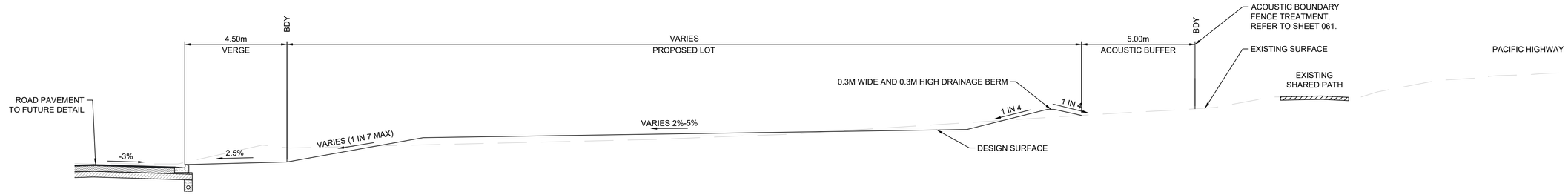
Plan No.
CC180099-07-627
File Ref.
CC180099
REV.
F



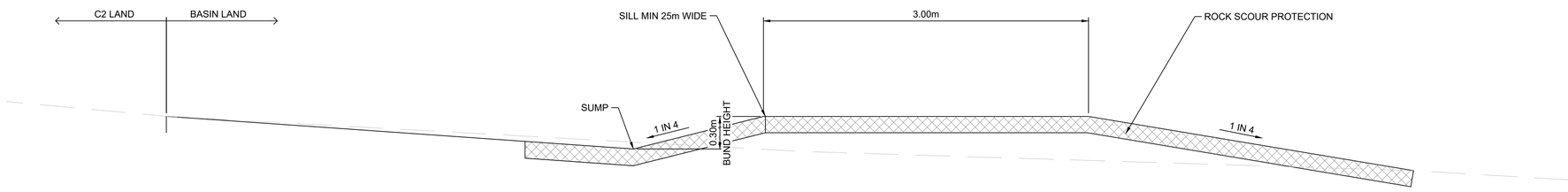
TYPICAL BIO-RETENTION BASIN DETAIL
SCALE 1:25



TYPICAL INFILTRATION BASIN DETAIL
SCALE 1:25



TYPICAL SECTION - ROAD 2 AND PACIFIC HIGHWAY
SCALE 1:50



LEVEL SPREADER DETAIL
SCALE 1:25

0.5 0 0.5 1.0 1.5 2.0 2.5 METRES 1:25

1 0 1 2 3 4 5 METRES 1:50

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
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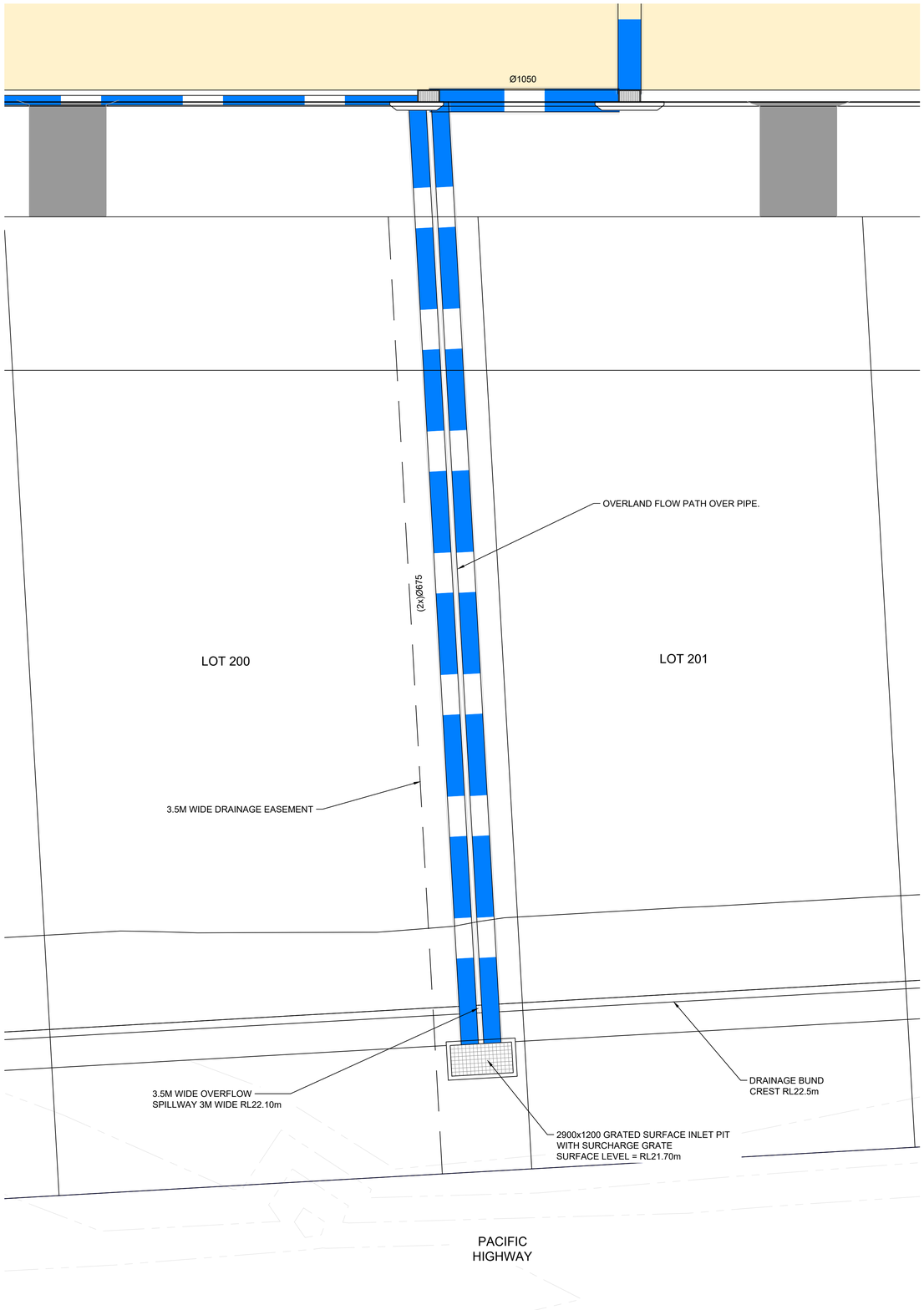
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

TYPICAL DETAILS SHEET 1

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan - Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-701
File Ref. CC180099
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PLAN
SCALE 1:100

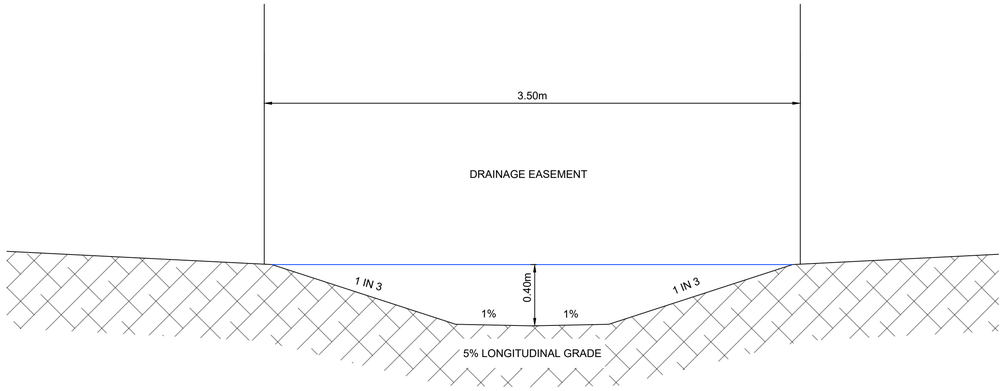
NORTH

SWALE CALCULATION

Q100 = 1.72m3/s

50% BLOCKAGE
PIPE FLOW WITH 50% PIT BLOCKAGE = 1.72m3/s
OVERLAND FLOWPATH Q100 = 0m3/s

100% BLOCKAGE
PIPE FLOW WITH 100% PIT BLOCKAGE = 0m3/s
OVERLAND FLOWPATH Q100 = 1.72m3/s
OVERLAND FLOWPATH CAPACITY = 1.95m3/s



OVERLAND FLOWPATH TYPICAL SECTION
SCALE 1:20

0.4 0 0.4 0.8 1.2 1.6 2.0 METRES 1:20

2 0 2 4 6 8 10 METRES 1:100

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
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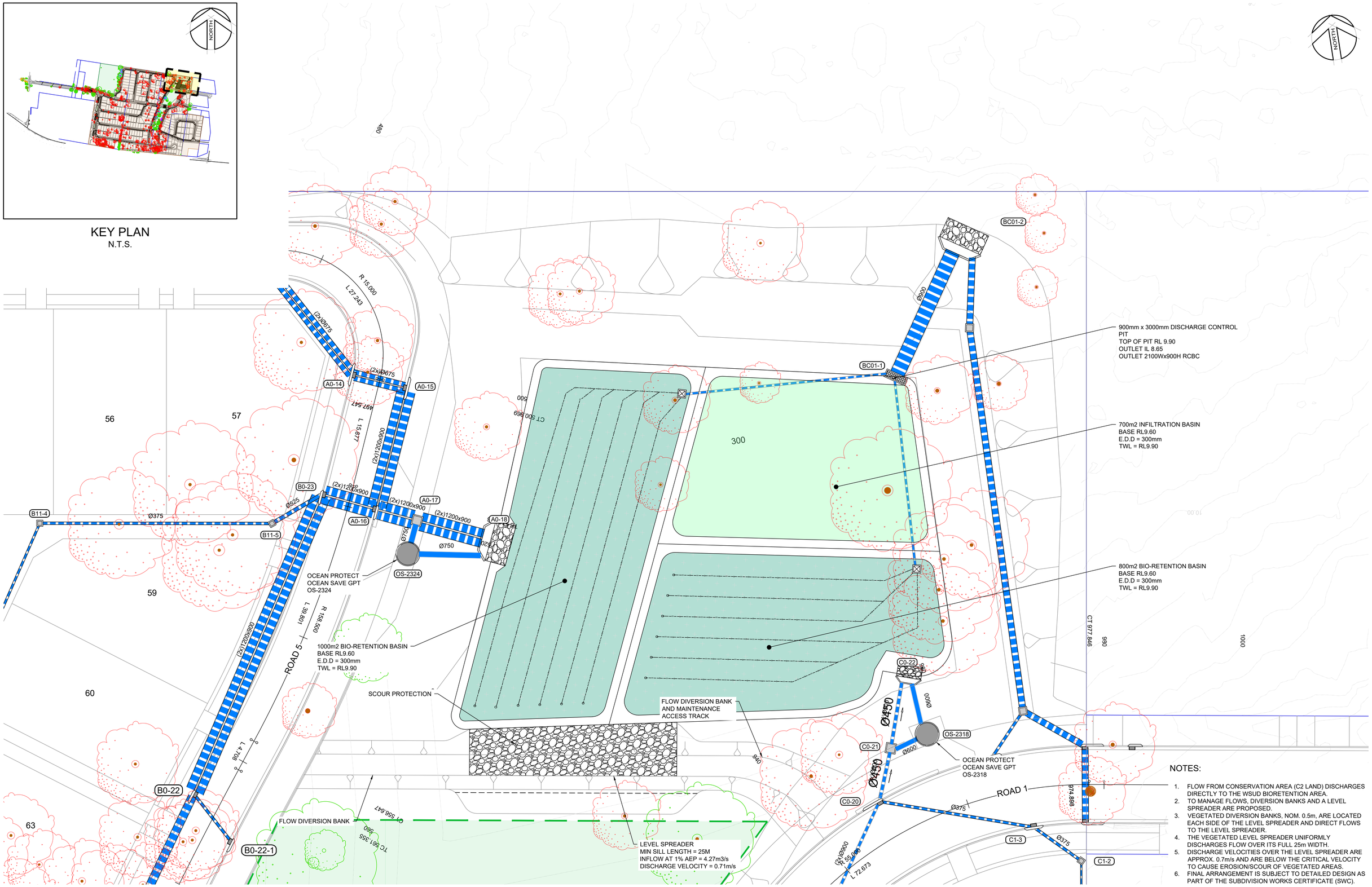
TYPICAL DETAILS SHEET 2

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:500 Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-702
File Ref. CC180099
REV. F

KEY PLAN
N.T.S.



NOTES:

1. FLOW FROM CONSERVATION AREA (C2 LAND) DISCHARGES DIRECTLY TO THE WSUD BIORETENTION AREA.
2. TO MANAGE FLOWS, DIVERSION BANKS AND A LEVEL SPREADER ARE PROPOSED.
3. VEGETATED DIVERSION BANKS, NOM. 0.5m, ARE LOCATED EACH SIDE OF THE LEVEL SPREADER AND DIRECT FLOWS TO THE LEVEL SPREADER.
4. THE VEGETATED LEVEL SPREADER UNIFORMLY DISCHARGES FLOW OVER ITS FULL 25m WIDTH.
5. DISCHARGE VELOCITIES OVER THE LEVEL SPREADER ARE APPROX. 0.7m/s AND ARE BELOW THE CRITICAL VELOCITY TO CAUSE EROSION/SCOUR OF VEGETATED AREAS.
6. FINAL ARRANGEMENT IS SUBJECT TO DETAILED DESIGN AS PART OF THE SUBDIVISION WORKS CERTIFICATE (SWC).

PLAN
SCALE 1:250

5 0 5 10 15 20 25
METRES
1:250

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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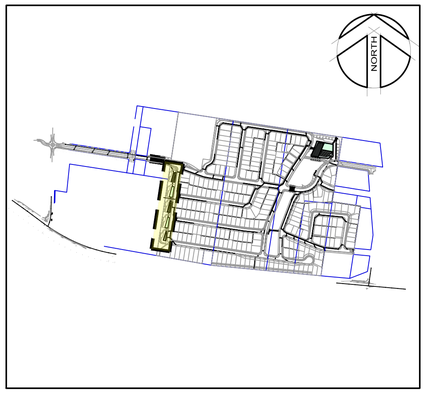
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

BASIN 1 DETAIL PLAN

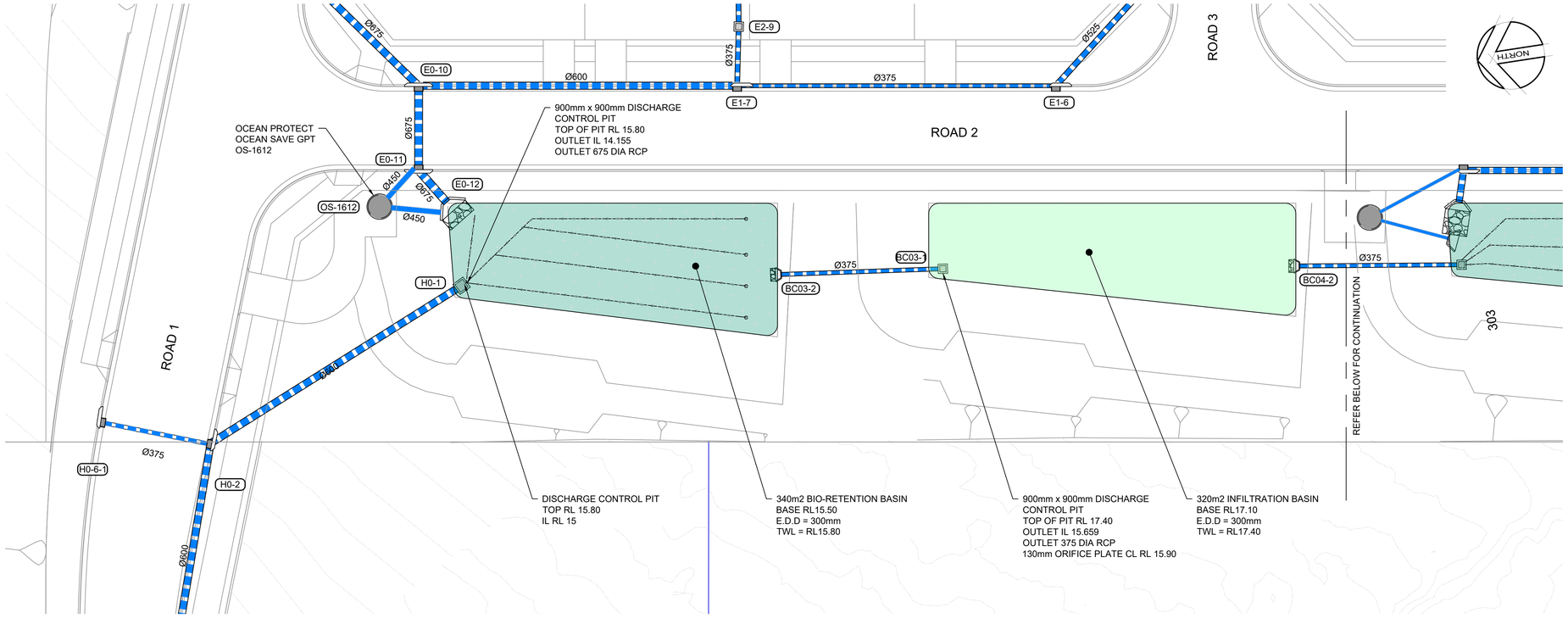
Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:250, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

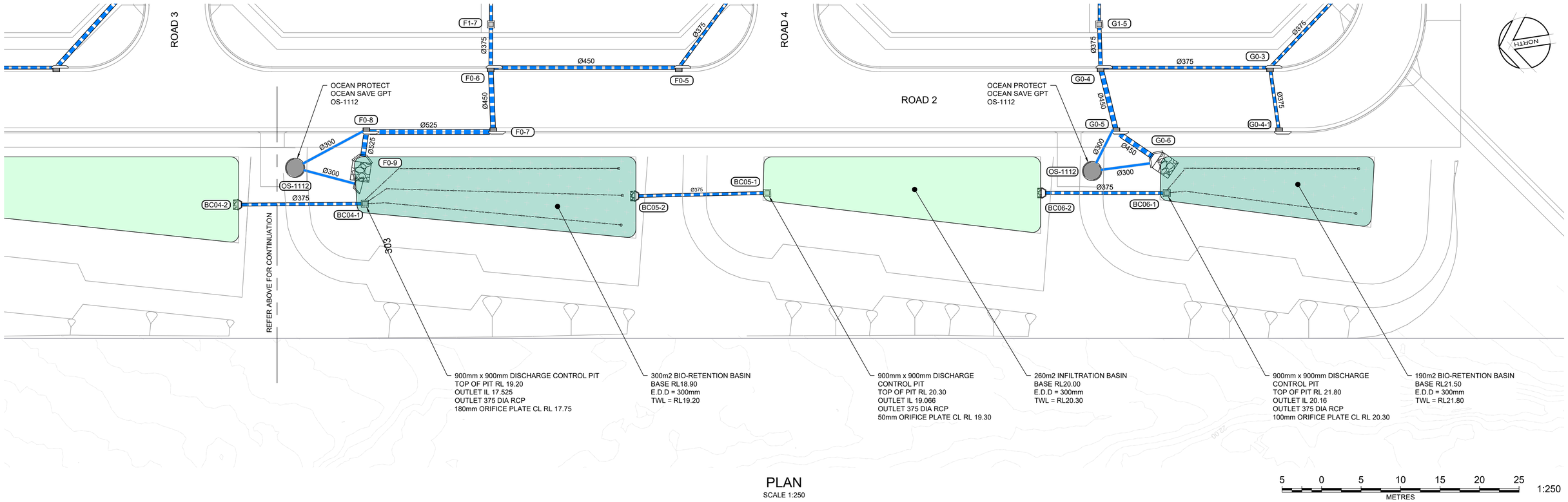
Plan No.
CC180099-07-711
File Ref.
CC180099
REV.
F



KEY PLAN
N.T.S.



PLAN
SCALE 1:250



PLAN
SCALE 1:250

5 0 5 10 15 20 25 METRES 1:250

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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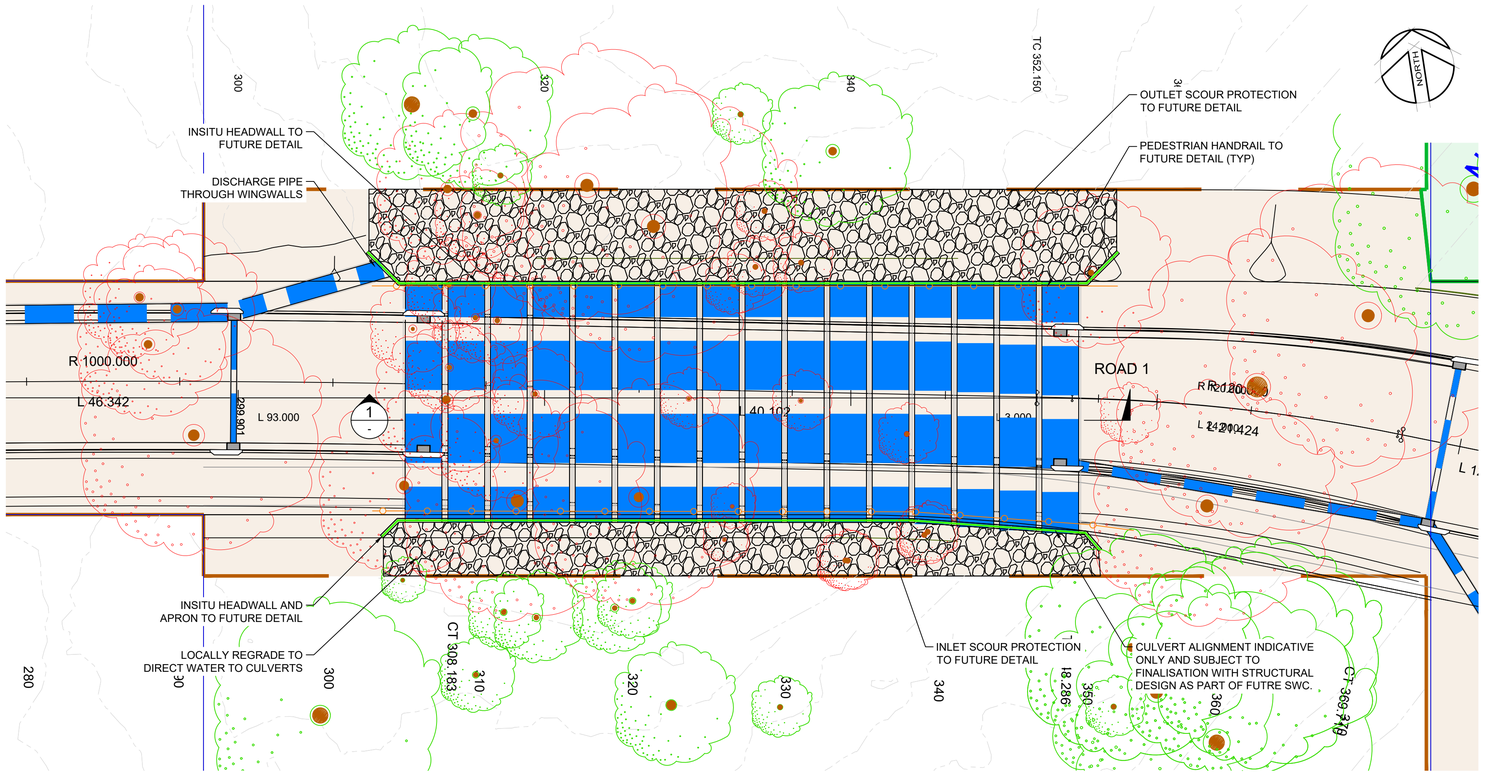
BASIN 2-6 DETAIL PLAN

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:250, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No.
CC180099-07-712
File Ref.
CC180099
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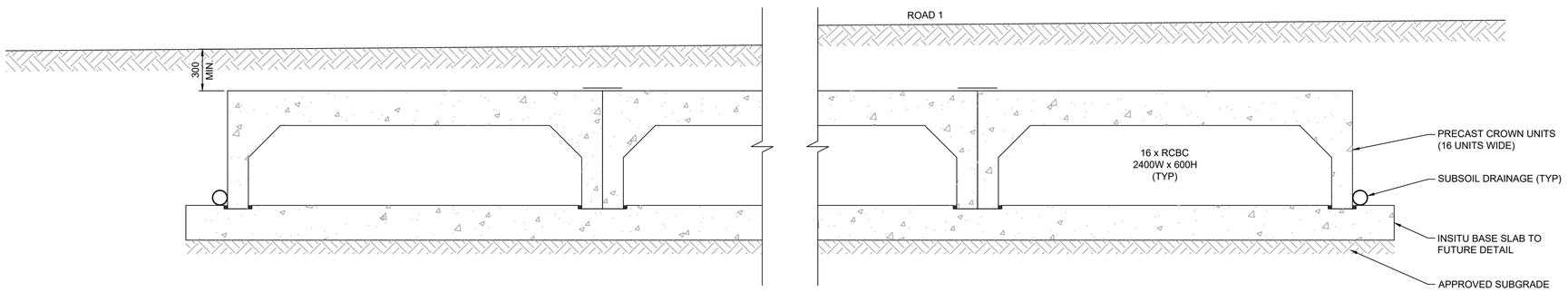
NOTE: CULVERT MODIFICATIONS AS PART OF REV F DRAWINGS DO NOT ALTER PREVIOUS TREE IMPACTS. NO CHANGE TO TREE IMPACTS AS A RESULT OF REV F DESIGN.



ROAD 1 CULVERT PLAN
SCALE 1:200

NOTES:

1. CULVERTS WORKS DURING CONSTRUCTION ARE RESTRICTED TO THE FOOTPRINT ASSESSED BY THE PROJECT BCAR, AS OUTLINED IN BROWN.
2. PROPOSED CULVERT WORKS, INCLUDING INLET AND OUTLET SCOUR PROTECTION WORKS DO NOT EXCEED THE BCAR FOOTPRINT.
3. OUTLET CULVERT VELOCITY IS APPROX. 2.1m/s.
4. MINIMUM SCOUR EXTENTS TO WITHSTAND THE ABOVE VELOCITY ARE NOTED ON THIS DRAWING.
5. SCOUR PROTECTION EXTENTS AS SHOWN EXCEED MINIMUM REQUIREMENTS WHILE NOT PROPOSING WORKS BEYOND THE BCAR FOOTPRINT.
6. FINAL ARRANGEMENT IS SUBJECT TO DETAILED DESIGN AS PART OF THE SUBDIVISION WORKS CERTIFICATE (SWC).



SECTION 1 -
SCALE 1:20

4 0 4 8 12 16 20 METRES 1:200

0.4 0 0.4 0.8 1.2 1.6 2.0 METRES 1:20

REV	AMENDMENT	ISSUED	DATE
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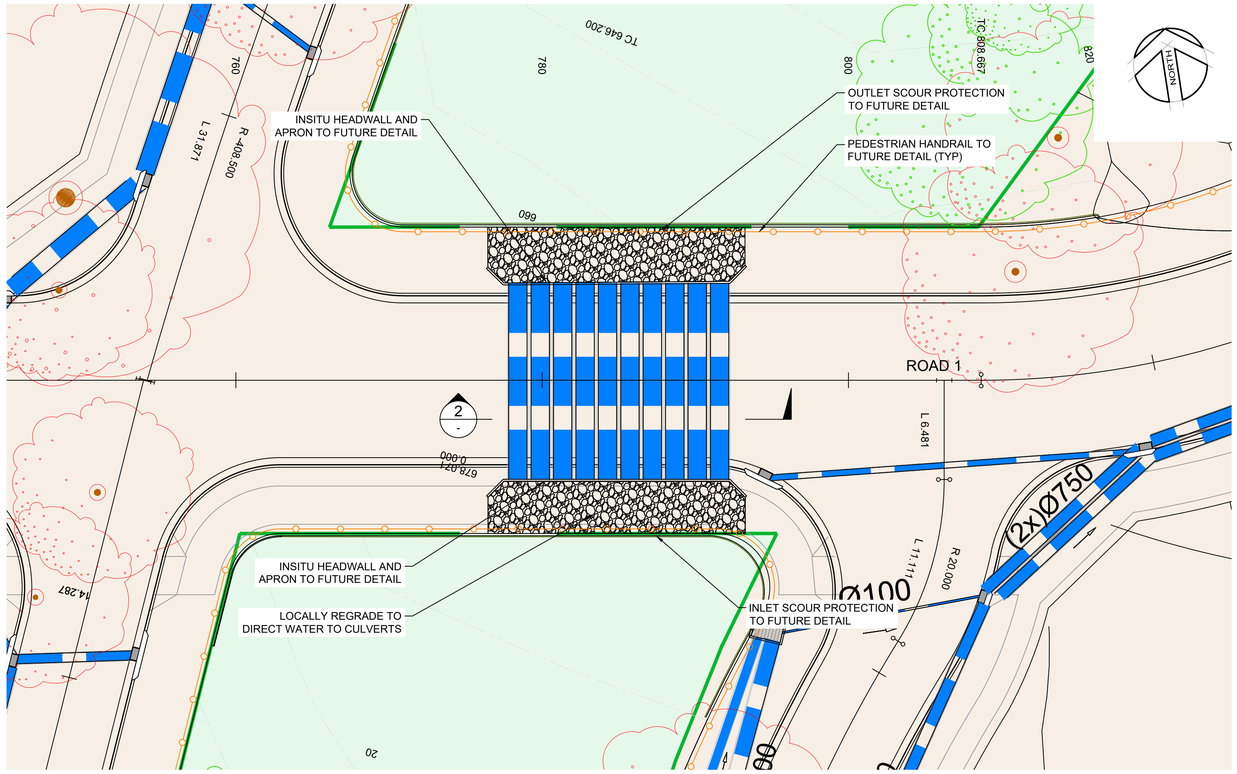
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ROAD 1 CULVERT PLAN AND DETAILS SHEET 1

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:200, Horiz. -, Vert. -, X-Sect. 1:20
Datum: A.H.D.

Plan No. CC180099-07-721
File Ref. CC180099
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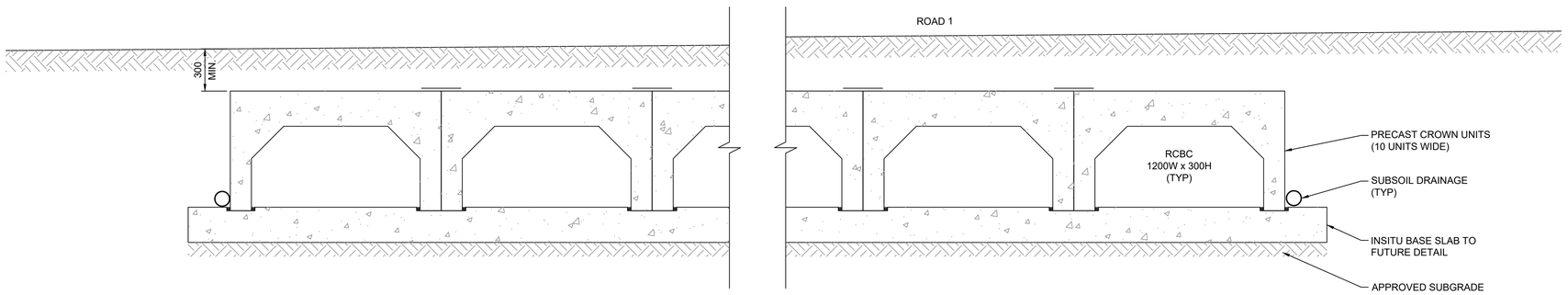


ROAD 1 CULVERT PLAN

SCALE 1:200

NOTES:

1. CULVERTS WORKS DURING CONSTRUCTION ARE RESTRICTED TO THE FOOTPRINT ASSESSED BY THE PROJECT BCAR, AS OUTLINED IN BROWN.
2. PROPOSED CULVERT WORKS, INCLUDING INLET AND OUTLET SCOUR PROTECTION WORKS DO NOT EXCEED THE BCAR FOOTPRINT.
3. OUTLET CULVERT VELOCITY IS APPROX. 1.6m/s.
4. MINIMUM SCOUR EXTENTS TO WITHSTAND THE ABOVE VELOCITY ARE NOTED ON THIS DRAWING.
5. SCOUR PROTECTION EXTENTS AS SHOWN EXCEED MINIMUM REQUIREMENTS WHILE NOT PROPOSING WORKS BEYOND THE BCAR FOOTPRINT.
6. FINAL ARRANGEMENT IS SUBJECT TO DETAILED DESIGN AS PART OF THE SUBDIVISION WORKS CERTIFICATE (SWC).



SECTION 2 -

SCALE 1:20

4 0 4 8 12 16 20 METRES 1:200

0.4 0 0.4 0.8 1.2 1.6 2.0 METRES 1:20

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
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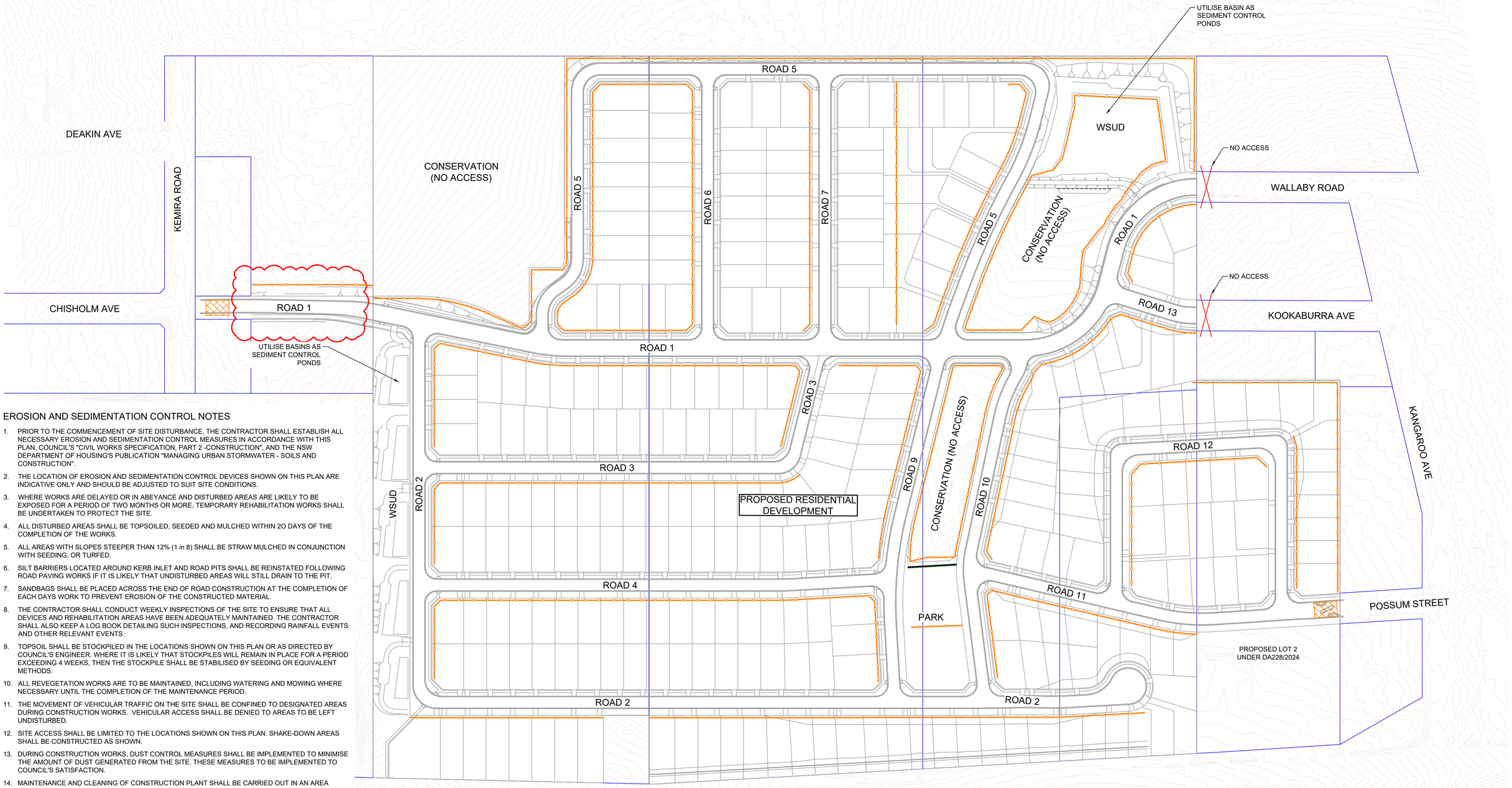
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

ROAD 1 CULVERT PLAN AND DETAILS SHEET 2

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:200, Horiz. -, Vert. -, X-Sect. 1:20
Datum: A.H.D.

Plan No. CC180099-07-722
File Ref. CC180099
REV. F



EROSION AND SEDIMENTATION CONTROL NOTES

1. PRIOR TO THE COMMENCEMENT OF SITE DISTURBANCE, THE CONTRACTOR SHALL ESTABLISH ALL NECESSARY EROSION AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THIS PLAN, COUNCIL'S "CIVIL WORKS SPECIFICATION, PART 2 -CONSTRUCTION", AND THE NSW DEPARTMENT OF HOUSING'S PUBLICATION "MANAGING URBAN STORMWATER - SOILS AND CONSTRUCTION".
2. THE LOCATION OF EROSION AND SEDIMENTATION CONTROL DEVICES SHOWN ON THIS PLAN ARE INDICATIVE ONLY AND SHOULD BE ADJUSTED TO SUIT SITE CONDITIONS.
3. WHERE WORKS ARE DELAYED OR IN ABEYANCE AND DISTURBED AREAS ARE LIKELY TO BE EXPOSED FOR A PERIOD OF TWO MONTHS OR MORE, TEMPORARY REHABILITATION WORKS SHALL BE UNDERTAKEN TO PROTECT THE SITE.
4. ALL DISTURBED AREAS SHALL BE TOPSOILED, SEEDED AND MULCHED WITHIN 2O DAYS OF THE COMPLETION OF THE WORKS.
5. ALL AREAS WITH SLOPES STEEPER THAN 12% (1 in 8) SHALL BE STRAW MULCHED IN CONJUNCTION WITH SEEDING, OR TURFED.
6. SILT BARRIERS LOCATED AROUND KERB INLET AND ROAD PITS SHALL BE REINSTATED FOLLOWING ROAD PAVING WORKS IF IT IS LIKELY THAT UNDISTURBED AREAS WILL STILL DRAIN TO THE PIT.
7. SANDBAGS SHALL BE PLACED ACROSS THE END OF ROAD CONSTRUCTION AT THE COMPLETION OF EACH DAYS WORK TO PREVENT EROSION OF THE CONSTRUCTED MATERIAL.
8. THE CONTRACTOR SHALL CONDUCT WEEKLY INSPECTIONS OF THE SITE TO ENSURE THAT ALL DEVICES AND REHABILITATION AREAS HAVE BEEN ADEQUATELY MAINTAINED. THE CONTRACTOR SHALL ALSO KEEP A LOG BOOK DETAILING SUCH INSPECTIONS, AND RECORDING RAINFALL EVENTS AND OTHER RELEVANT EVENTS.
9. TOPSOIL SHALL BE STOCKPILED IN THE LOCATIONS SHOWN ON THIS PLAN OR AS DIRECTED BY COUNCIL'S ENGINEER. WHERE IT IS LIKELY THAT STOCKPILES WILL REMAIN IN PLACE FOR A PERIOD EXCEEDING 4 WEEKS, THEN THE STOCKPILE SHALL BE STABILISED BY SEEDING OR EQUIVALENT METHODS.
10. ALL REVEGETATION WORKS ARE TO BE MAINTAINED, INCLUDING WATERING AND MOWING WHERE NECESSARY UNTIL THE COMPLETION OF THE MAINTENANCE PERIOD.
11. THE MOVEMENT OF VEHICULAR TRAFFIC ON THE SITE SHALL BE CONFINED TO DESIGNATED AREAS DURING CONSTRUCTION WORKS. VEHICULAR ACCESS SHALL BE DENIED TO AREAS TO BE LEFT UNDISTURBED.
12. SITE ACCESS SHALL BE LIMITED TO THE LOCATIONS SHOWN ON THIS PLAN. SHAKE-DOWN AREAS SHALL BE CONSTRUCTED AS SHOWN.
13. DURING CONSTRUCTION WORKS, DUST CONTROL MEASURES SHALL BE IMPLEMENTED TO MINIMISE THE AMOUNT OF DUST GENERATED FROM THE SITE. THESE MEASURES TO BE IMPLEMENTED TO COUNCIL'S SATISFACTION.
14. MAINTENANCE AND CLEANING OF CONSTRUCTION PLANT SHALL BE CARRIED OUT IN AN AREA WHERE RUNOFF CAN BE CONTAINED AND APPROPRIATELY TREATED AND DISPOSED OF.
15. ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE ADEQUATELY REGENERATED. THIS STAGE SHALL BE DETERMINED BY THE CERTIFIER.

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LEGEND

SEDIMENT FENCE

STABILISED SITE ACCESS AT ENTRANCE TO WORKS

PLAN
SCALE 1:1250

25 0 25 50 75 105 125
METRES
1:1250

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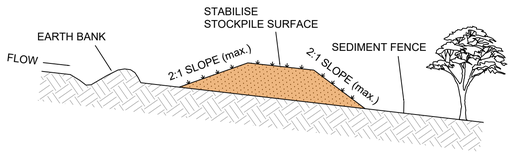
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

SOIL AND WATER MANAGEMENT PLAN

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:1250, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-801
File Ref. CC180099
REV. F



CONSTRUCTION NOTES

1. WHERE POSSIBLE LOCATE STOCKPILE AT LEAST 5 METRES FROM EXISTING VEGETATION, CONCENTRATED WATER FLOWS, ROADS, HAZARD AREAS AND MIN. 1.5m AWAY FROM EMBANKMENTS.

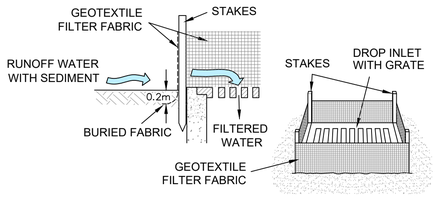
2. CONSTRUCT ON THE CONTOUR AS A LOW, FLAT ELONGATED MOUND.

3. WHERE THERE IS SUFFICIENT AREA TOPSOIL STOCKPILES SHALL BE LESS THAN 2 METRES IN HEIGHT.

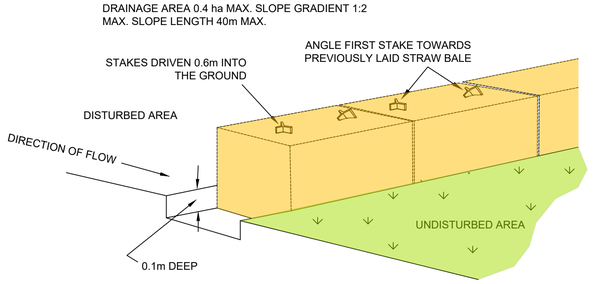
4. REHABILITATE IN ACCORDANCE WITH THE SWMP/ESCP.

5. CONSTRUCT EARTH BANK (STANDARD DRAWING 5-5) ON THE UPSLOPE SIDE TO DIVERT RUN OFF AROUND THE STOCKPILE AND A SEDIMENT FENCE (STANDARD DRAWING 6-8) 1 TO 2 METRES DOWNSLOPE OF STOCKPILE.

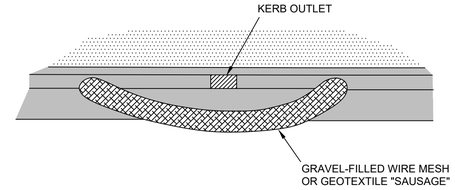
TOPSOIL STOCKPILE



SURFACE INLET PIT SEDIMENT TRAP



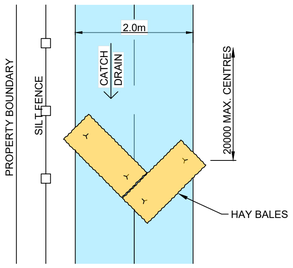
STRAW BALE SEDIMENT FILTER



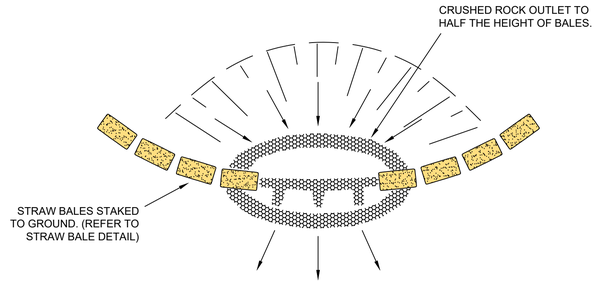
CONSTRUCTION NOTES

1. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH AND FILL IT WITH 25mm TO 50mm GRAVEL.
2. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH X 400mm WIDE.
3. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING FILTER.
4. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

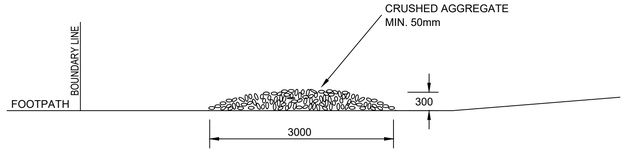
MESH & GRAVEL FILTER "SAUSAGE" BARRIER



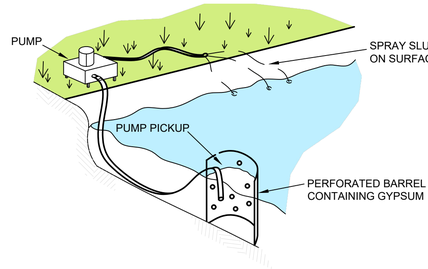
CATCH DRAIN DETAIL



STRAW BALE & CRUSHED ROCK SEDIMENT FILTER



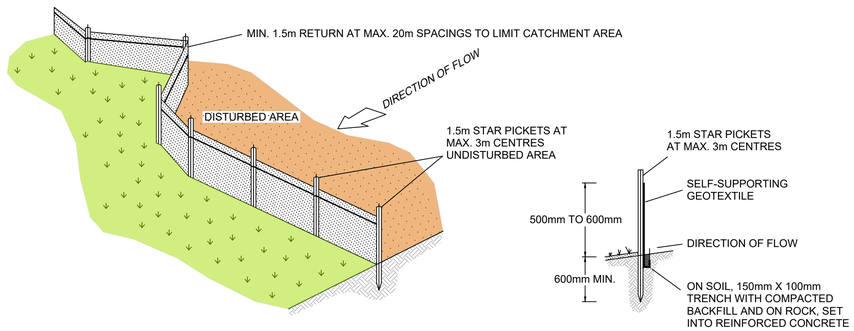
VEHICLE DUST SHAKE DOWN DETAIL



NOTE:
1. FLOCCULATION TO BE USED IF WATER IS NOT CLEAR (IE: SEDIMENT GREATER THAN 50 mg/L) PRIOR TO DISCHARGING FROM TEMPORARY PUMP OUT

2. FOR RATES & AGENTS SEE APPENDIX E OF HOUSING NSW "MANAGING URBAN SW SOILS & CONSTRUCTION".

FLOCCULATION DETAIL



SECTION DETAIL

CONSTRUCTION NOTES

1. CONSTRUCT SEDIMENT FENCE AS CLOSE AS POSSIBLE TO BEING PARRALLEL TO THE CONTOURS OF THE SITE BUT WITH SMALL RETURNS AS SHOWN IN THE DRAWING TO LIMIT THE CATCHMENT AREA OF ANY ONE SECTION. THE CATCHMENT AREA SHOULD BE SMALL ENOUGH TO LIMIT WATER FLOW IF CONCENTRATED AT ONE POINT TO 50 LITRES PER SECOND IN THE DESIGN STORM EVENT, USUALLY THE 10-YEAR EVENT.

2. CUT A 150mm DEEP TRENCH ALONG THE UPSLOPE LINE OF THE FENCE FOR THE BOTTOM OF THE FABRIC TO BE ENTRENCHED.

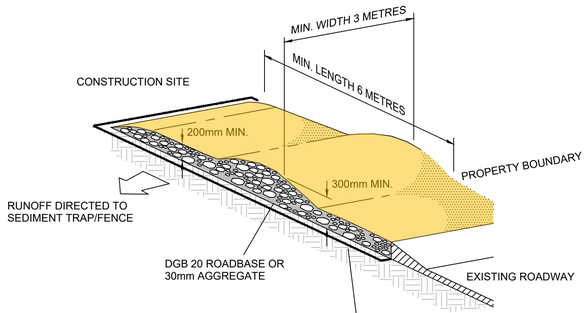
3. DRIVE 1.5m LONG STAR PICKETS INTO GROUND AT 2.5 METRE INTERVALS (MAX.) AT THE DOWNSLOPE EDGE OF THE TRENCH. ENSURE ANY STAR PICKETS ARE FITTED WITH SAFETY CAPS.

4. FIX SELF-SUPPORTING GEOTEXTILE TO THE UPSLOPE SIDE OF THE POSTS ENSURING IT GOES TO THE BASE OF THE TRENCH. FIX THE GEOTEXTILE WITH WIRE TIES OR AS RECOMMENDED BY THE MANUFACTURER. ONLY USE GEOTEXTILE SPECIFICALLY PRODUCED FOR SEDIMENT FENCING. THE USE OF SHADE CLOTH FOR THIS PURPOSE IS NOT SATISFACTORY.

5. JOIN SECTIONS OF FABRIC AT A SUPPORT POST WITH A 150mm OVERLAP.

6. BACKFILL THE TRENCH OVER THE BASE OF THE FABRIC AND COMPACT IT THOROUGHLY OVER THE GEOTEXTILE.

SEDIMENT FENCE



CONSTRUCTION NOTES

1. STRIP TOPSOIL AND LEVEL SITE.

2. COMPACT SUBGRADE.

3. COVER AREA WITH NEEDLE-PUNCHED GEOTEXTILE.

4. CONSTRUCT 200mm THICK PAD OVER GEOTEXTILE USING ROADBASE OR 30mm AGGREGATE. MINIMUM LENGTH 15 METRES OR TO BUILDING ALIGNMENT. MINIMUM WIDTH 3 METRES.

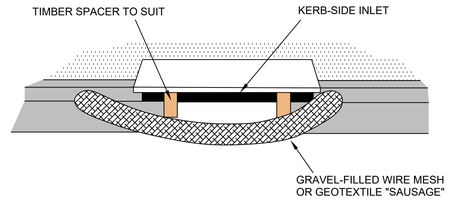
5. CONSTRUCT HUMP IMMEDIATELY WITHIN BOUNDARY TO DIVERT WATER TO A SEDIMENT FENCE OR OTHER SEDIMENT TRAP.

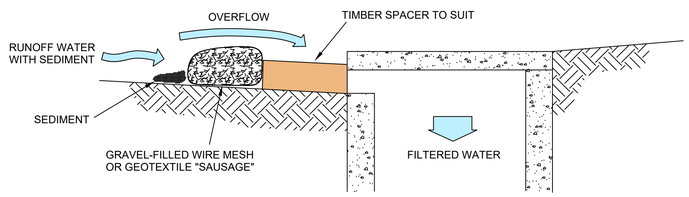
GEOTEXTILE FABRIC DESIGNED TO PREVENT INTERMIXING OF SUBGRADE AND BASE MATERIALS AND TO MAINTAIN GOOD PROPERTIES OF THE SUB-BASE LAYERS.

GEOFABRIC MAY BE A WOVEN OR NEEDLE PUNCHED PRODUCT WITH A MINIMUM CBR BURST STRENGTH (AS3706.4-90) OF 2500 N

STABILISED SITE ACCESS







CONSTRUCTION NOTES

1. INSTALL FILTERS TO KERB INLET ONLY AT SAG POINTS.
2. FABRICATE A SLEEVE MADE FROM GEOTEXTILE OR WIRE MESH LONGER THAN THE LENGTH OF THE INLET PIT AND FILL IT WITH 25mm TO 50mm GRAVEL.
3. FORM AN ELLIPTICAL CROSS-SECTION ABOUT 150mm HIGH X 400mm WIDE.
4. PLACE THE FILTER AT THE OPENING LEAVING AT LEAST A 100mm SPACE BETWEEN IT AND THE KERB INLET MAINTAIN THE OPENING WITH SPACER BLOCKS.
5. FORM A SEAL WITH THE KERB TO PREVENT SEDIMENT BYPASSING FILTER.
6. SANDBAGS FILLED WITH GRAVEL CAN SUBSTITUTE FOR THE MESH OR GEOTEXTILE PROVIDING THEY ARE PLACED SO THAT THEY FIRMLY ABUT EACH OTHER AND SEDIMENT-LADEN WATERS CANNOT PASS BETWEEN.

MESH & GRAVEL INLET "SAUSAGE" FILTER

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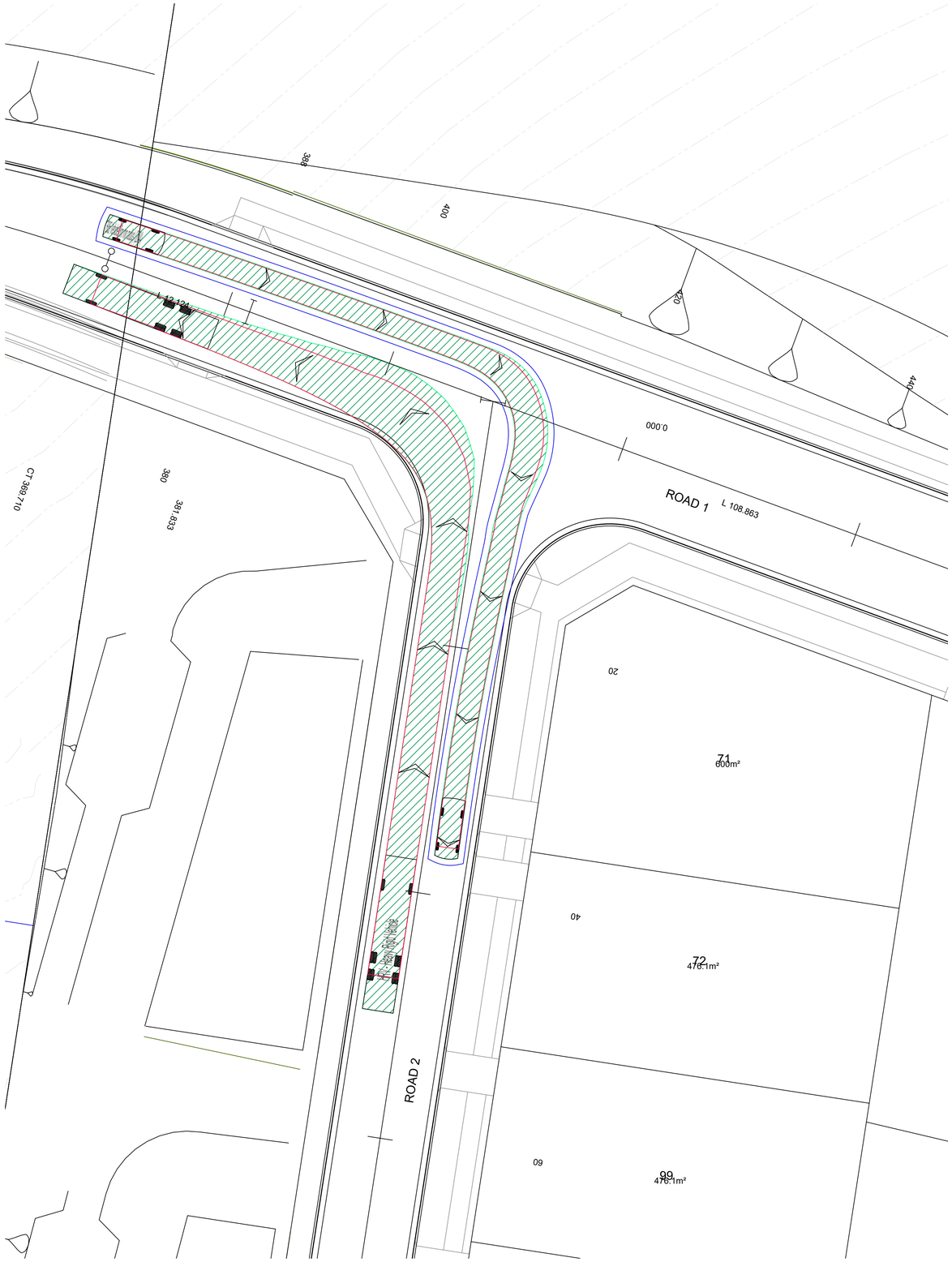
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PROPOSED RESIDENTIAL SUBDIVISION

SOIL AND WATER MANAGEMENT DETAILS

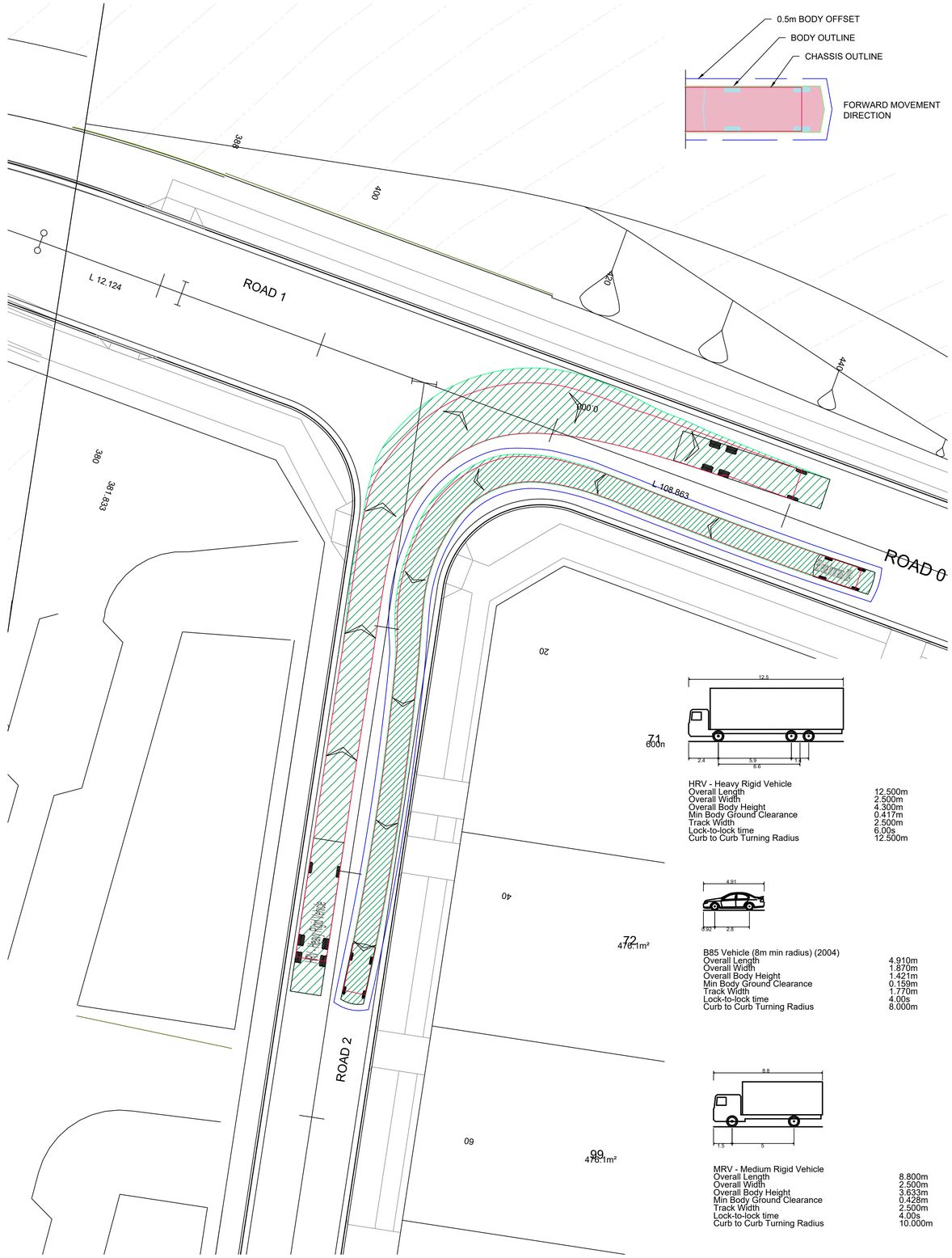
Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan - Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-802
File Ref. CC180099
REV. F



CHECK VEHICLE
SCALE 1:200



CHECK VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
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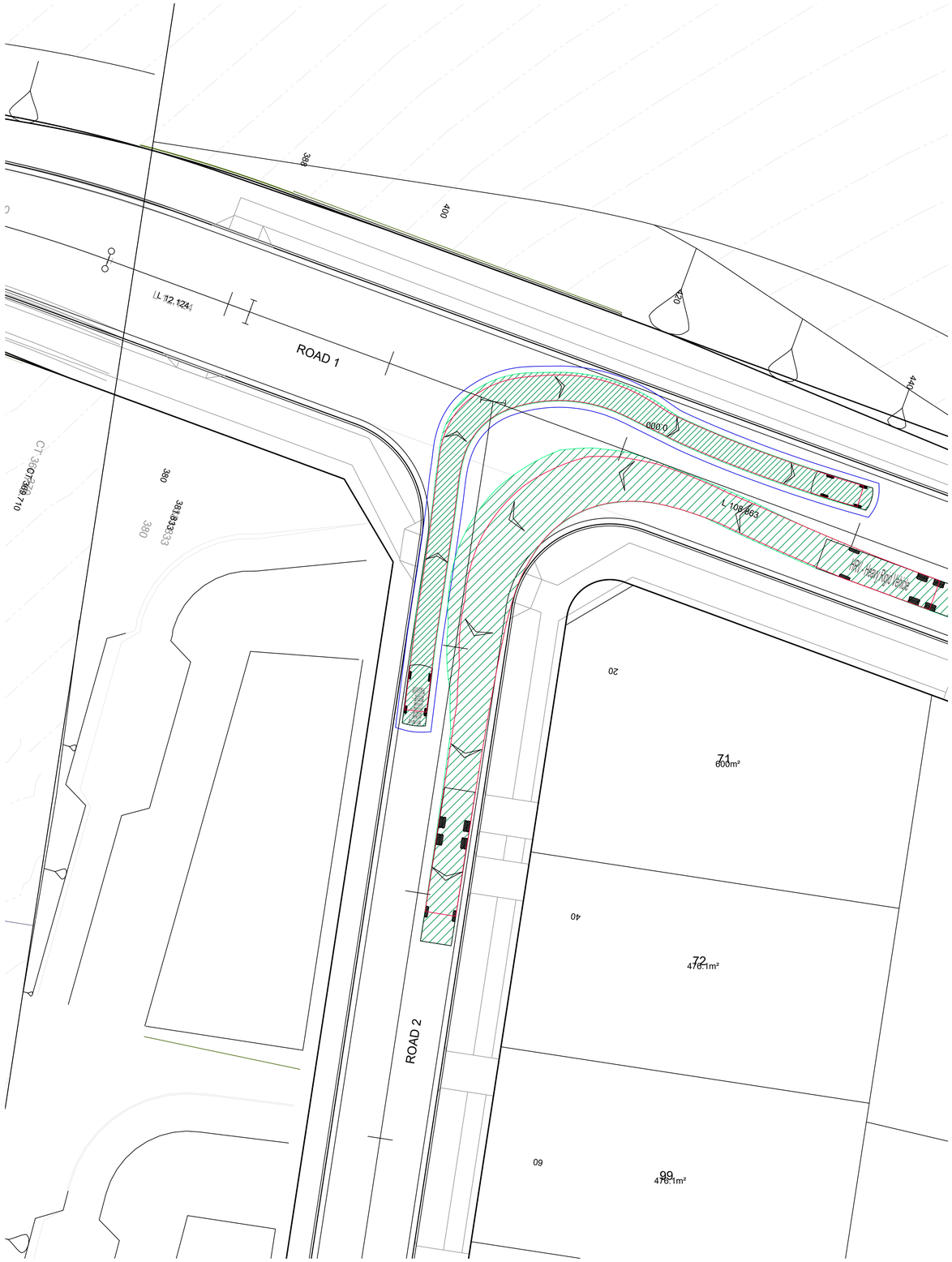
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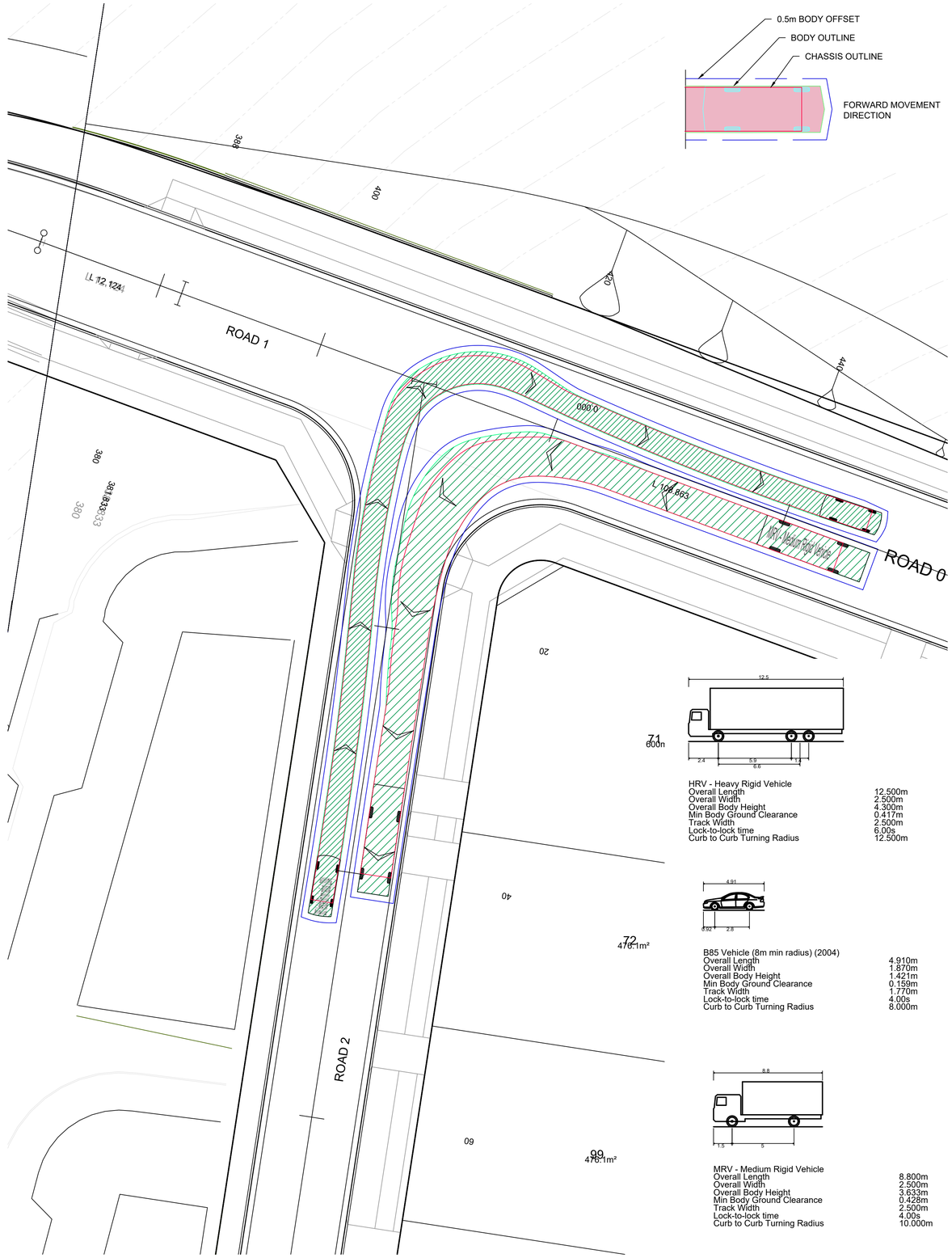
SWEPT PATH SHEET 1

Designed: JT
Drawn: DKH
Checked: SGB
Scales: @A1 Plan 1:200, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-901
File Ref. CC180099
REV. F



CHECK VEHICLE
SCALE 1:200



DESIGN VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

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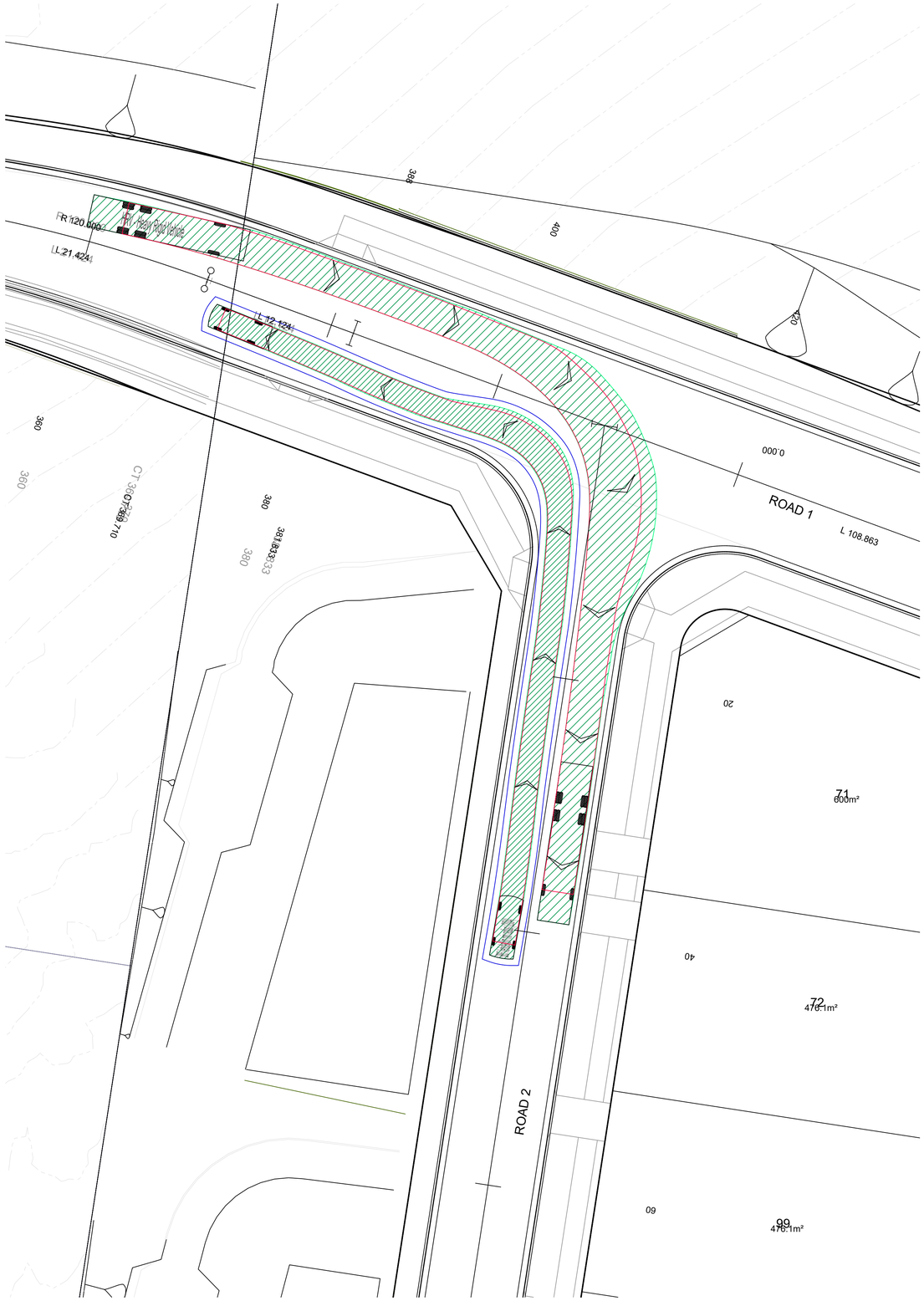
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PROPOSED RESIDENTIAL SUBDIVISION

SWEPT PATH SHEET 2

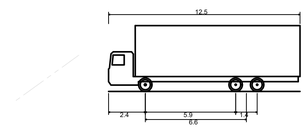
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Scales: @A1 Plan 1:200, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-902
File Ref. CC180099
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CHECK VEHICLE
SCALE 1:200



HRV - Heavy Rigid Vehicle

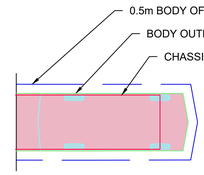
Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

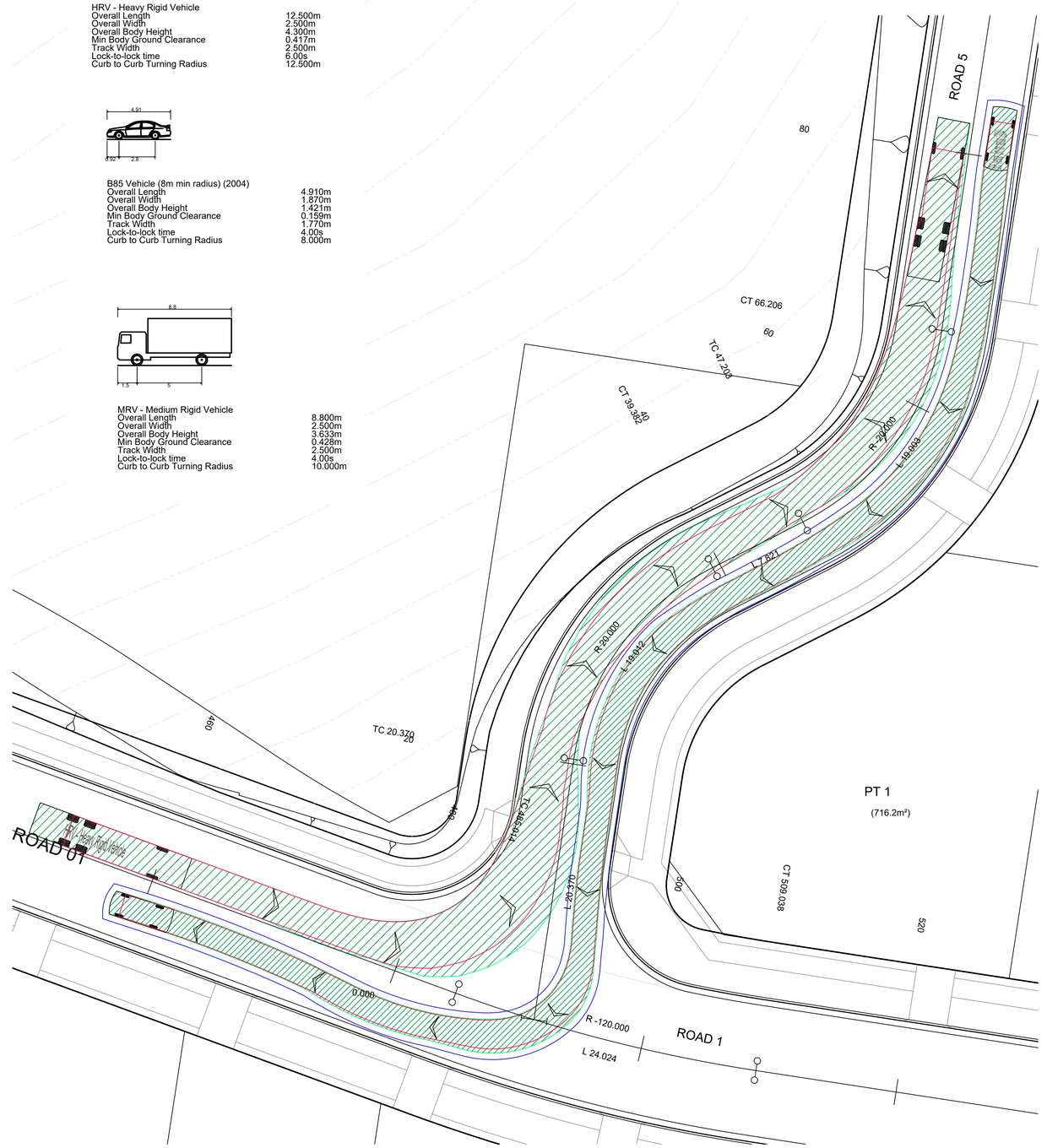
B85 Vehicle (8m min radius) (2004)

Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.633m
Min Body Ground Clearance	0.428m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m





CHECK VEHICLE
SCALE 1:200

4 0 4 8 12 16 20 METRES 1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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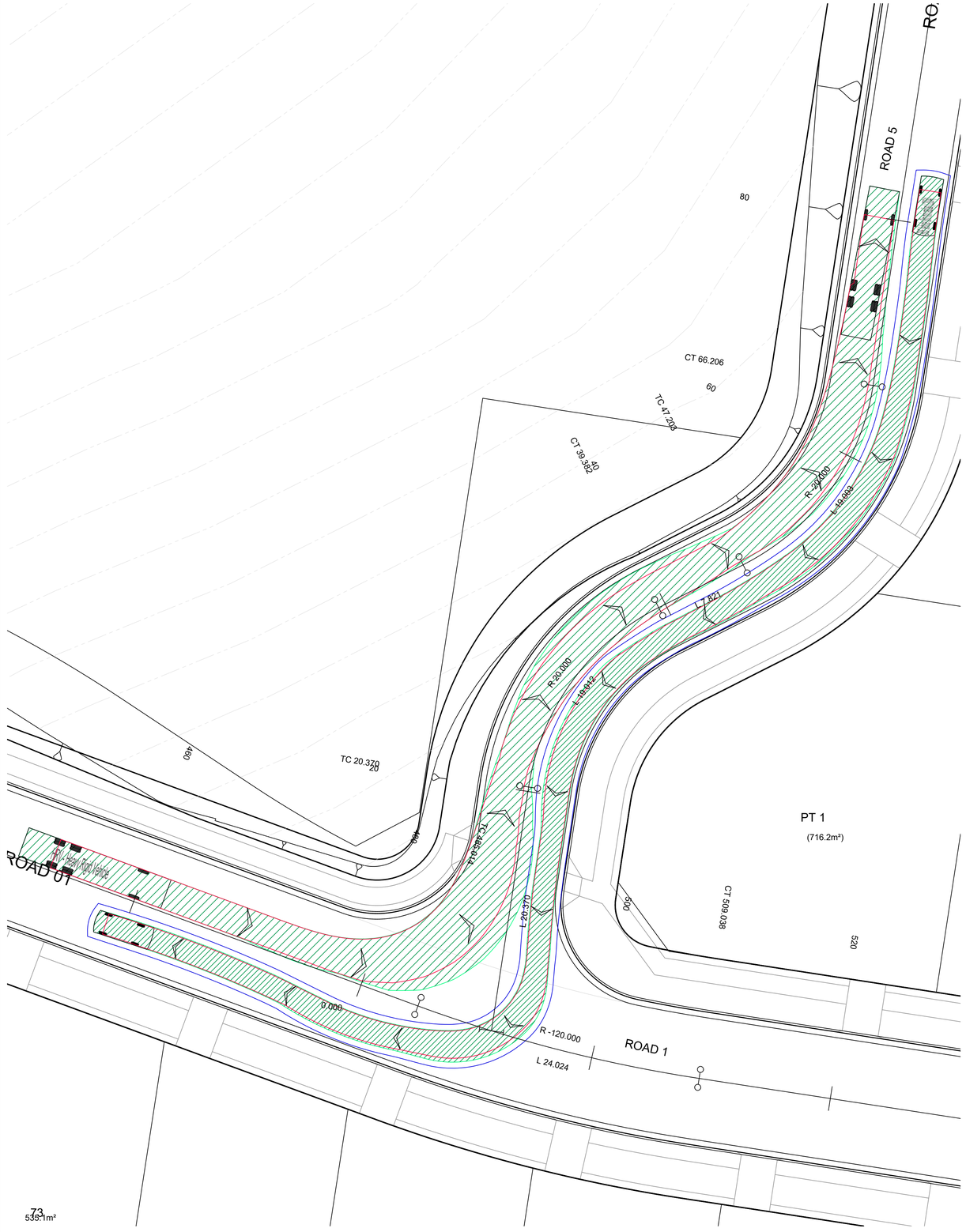
Client: ALDA PROPERTIES PTY LTD | ROSE URBAN LAND REDEVELOPMENT

285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
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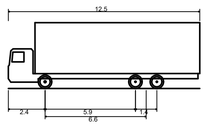
SWEPT PATH SHEET 3

Designed: JT
Drawn: DKH
Checked: SGB
Scales: @A1 Plan 1:200, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-903
File Ref. CC180099
REV. F



CHECK VEHICLE
SCALE 1:200



HRV - Heavy Rigid Vehicle

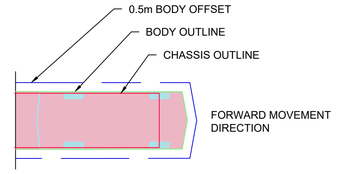
Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

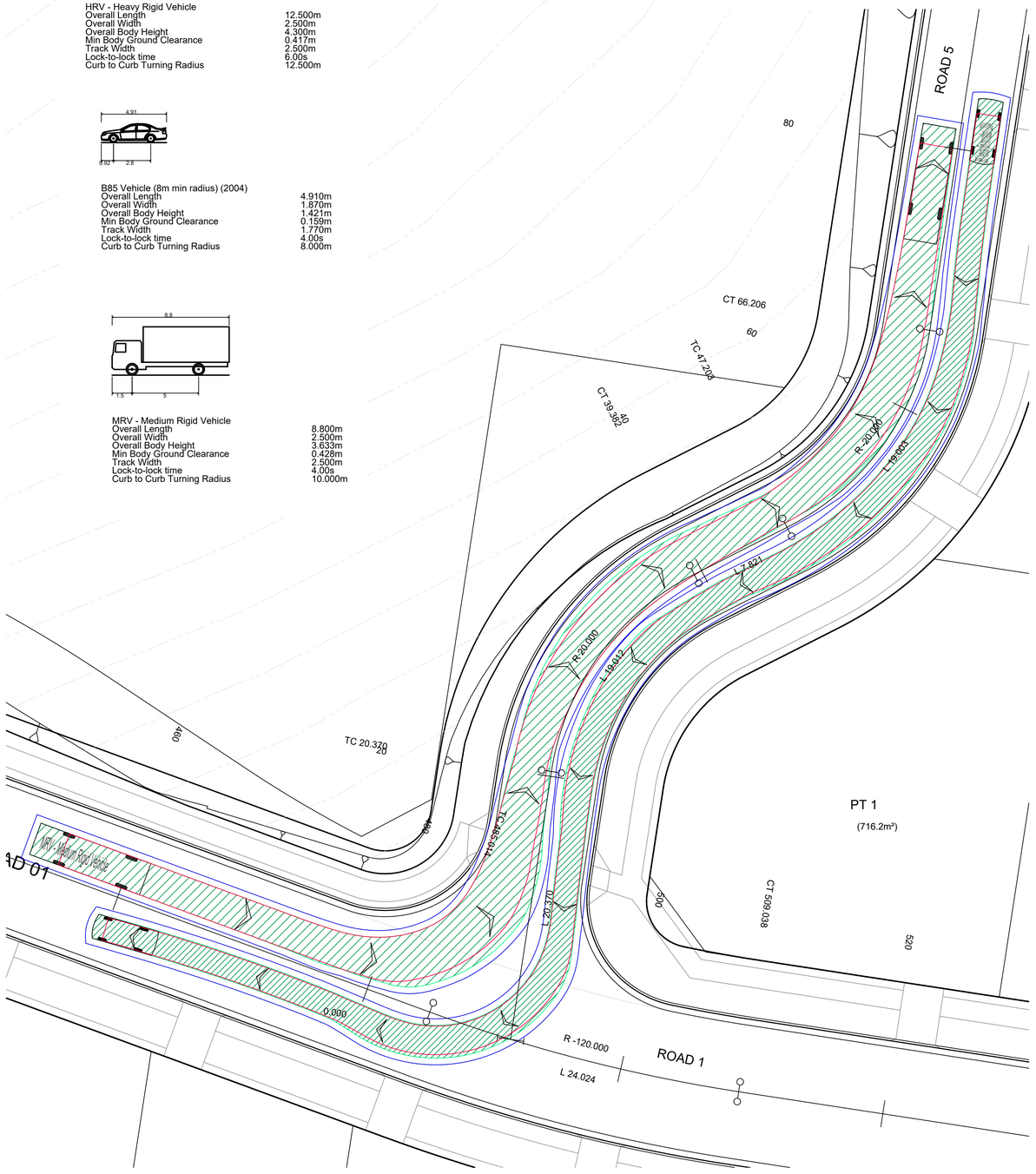
B85 Vehicle (8m min radius) (2004)

Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.633m
Min Body Ground Clearance	0.428m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m





DESIGN VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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SWEPT PATH SHEET 4

Designed: JT
Drawn: DKH
Checked: SGB

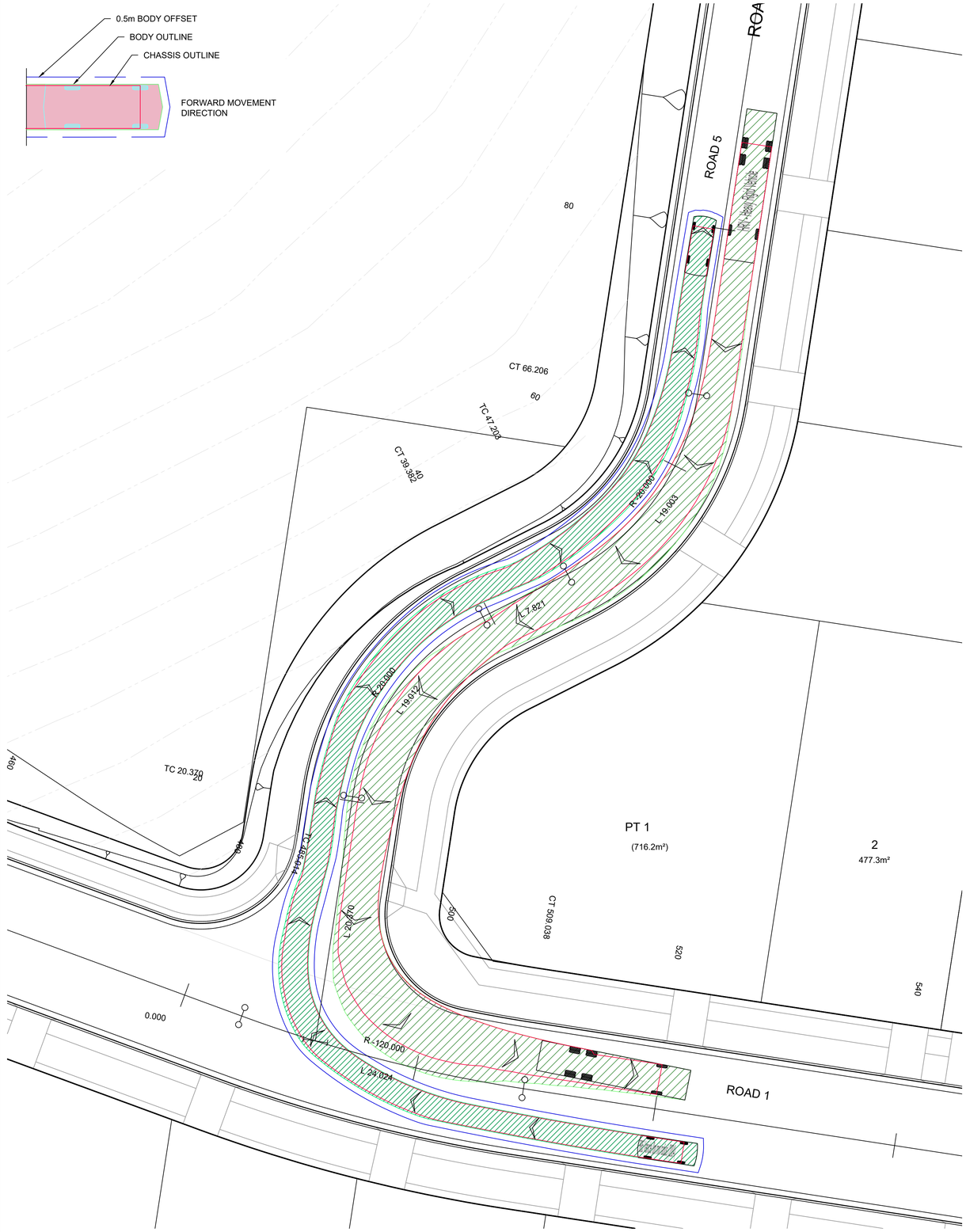
Scales: @A1
Plan 1:200
Horiz. -
Vert. -
X-Sect. -

Datum: A.H.D.

Plan No.
CC180099-07-904

File Ref.
CC180099

REV.
F



CHECK VEHICLE
SCALE 1:200

HRV - Heavy Rigid Vehicle

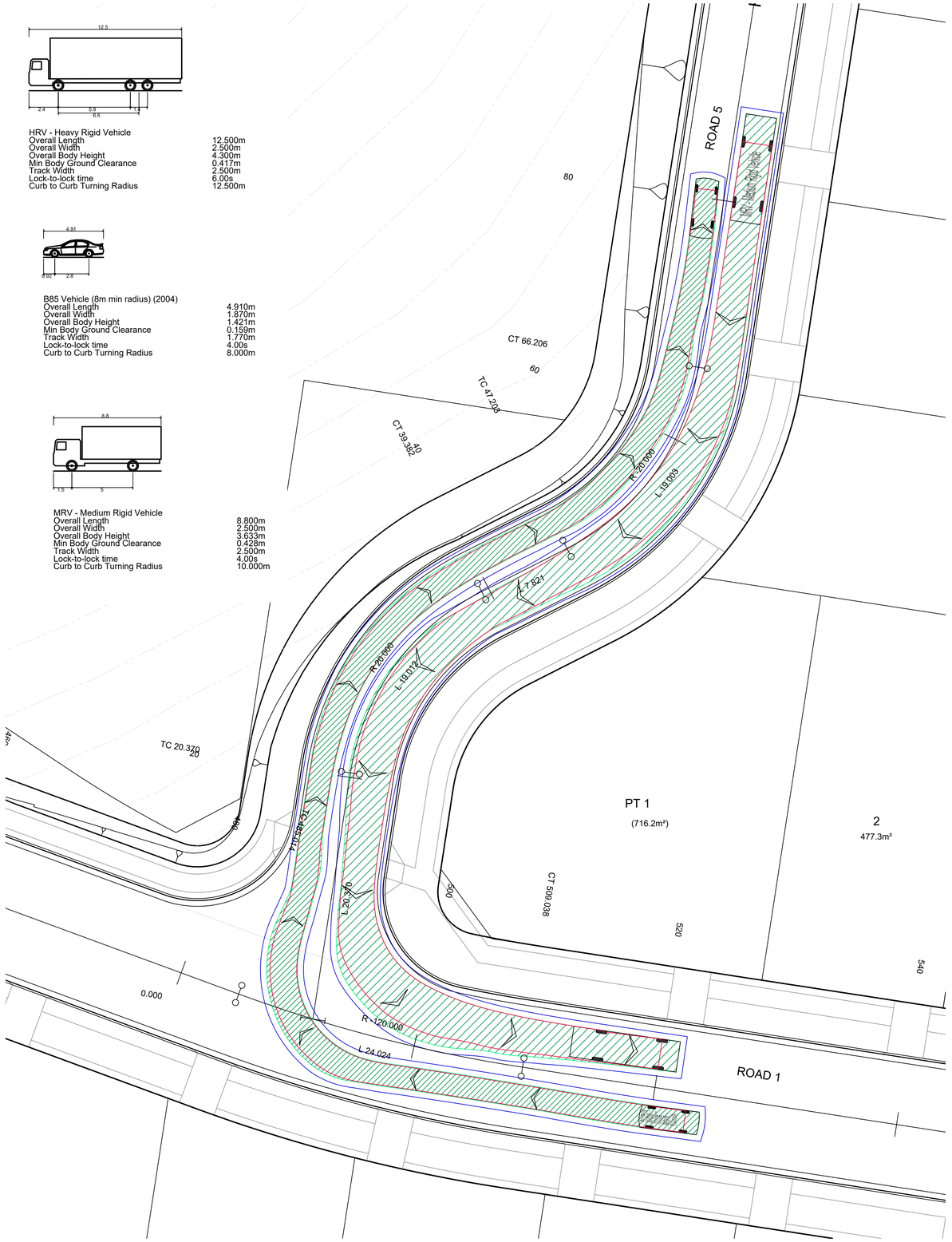
Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

B85 Vehicle (8m min radius) (2004)

Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.633m
Min Body Ground Clearance	0.425m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m



DESIGN VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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SWEPT PATH SHEET 5

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1
Plan 1:200
Horiz. -
Vert. -
X-Sect. -
Datum: A.H.D.

Plan No.
CC180099-07-905
File Ref.
CC180099
REV.
F

HRV - Heavy Rigid Vehicle

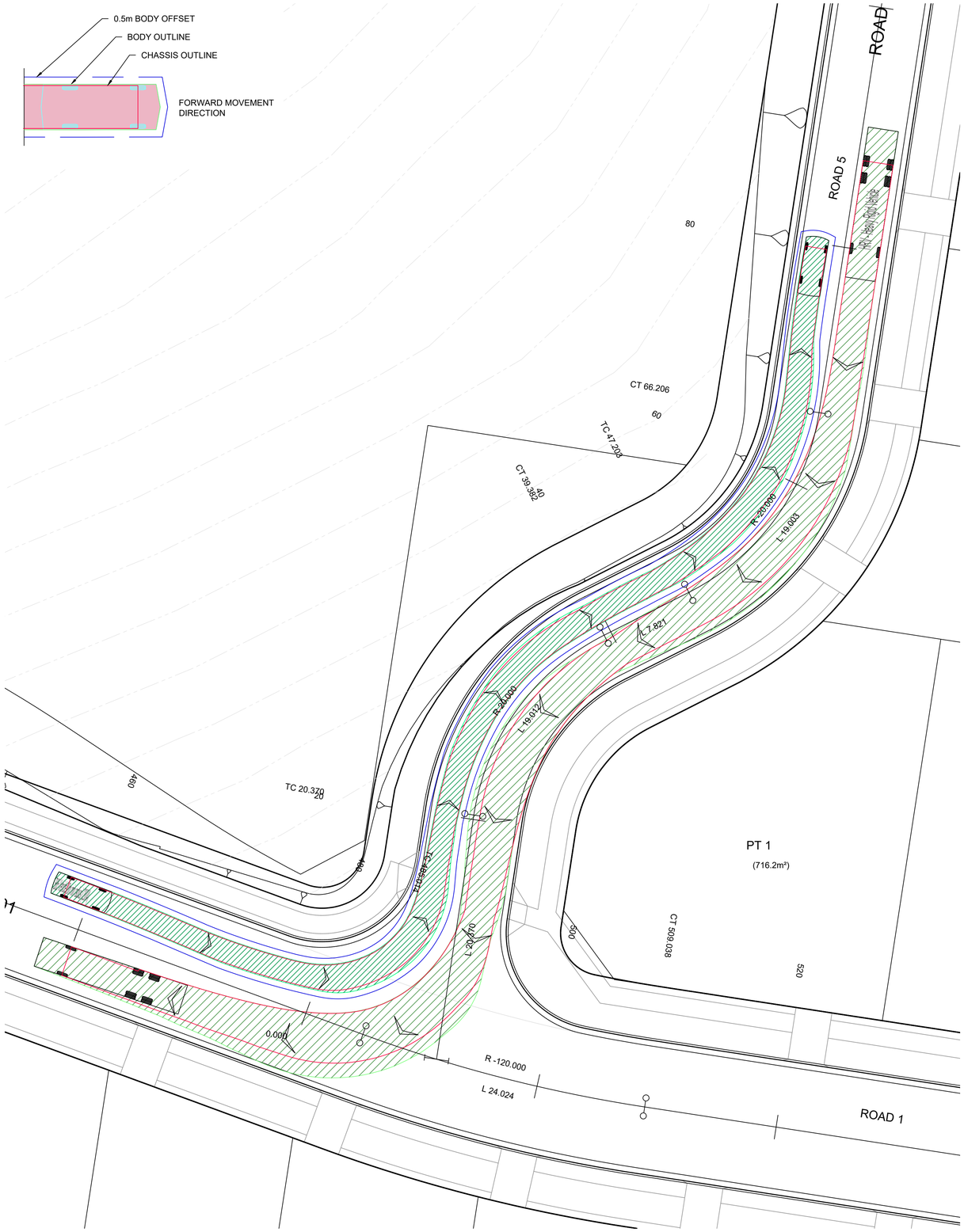
Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.50m

B85 Vehicle (8m min radius) (2004)

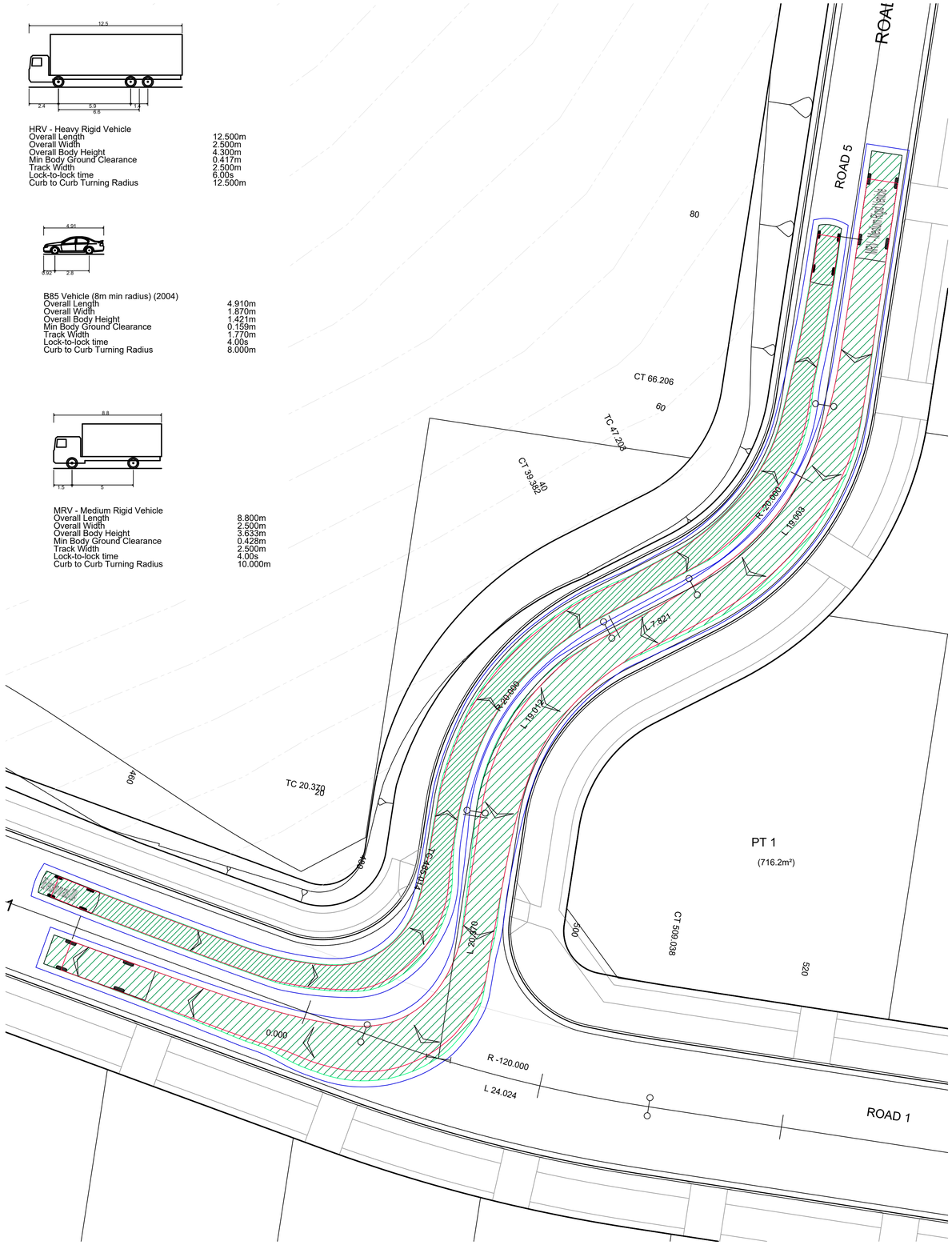
Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.533m
Min Body Ground Clearance	0.428m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m



CHECK VEHICLE
SCALE 1:200



DESIGN VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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SWEPT PATH SHEET 6

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1
Plan 1:200
Horiz. -
Vert. -
X-Sect. -

Datum: A.H.D.

Plan No.
CC180099-07-906

File Ref.
CC180099

REV.
F

HRV - Heavy Rigid Vehicle

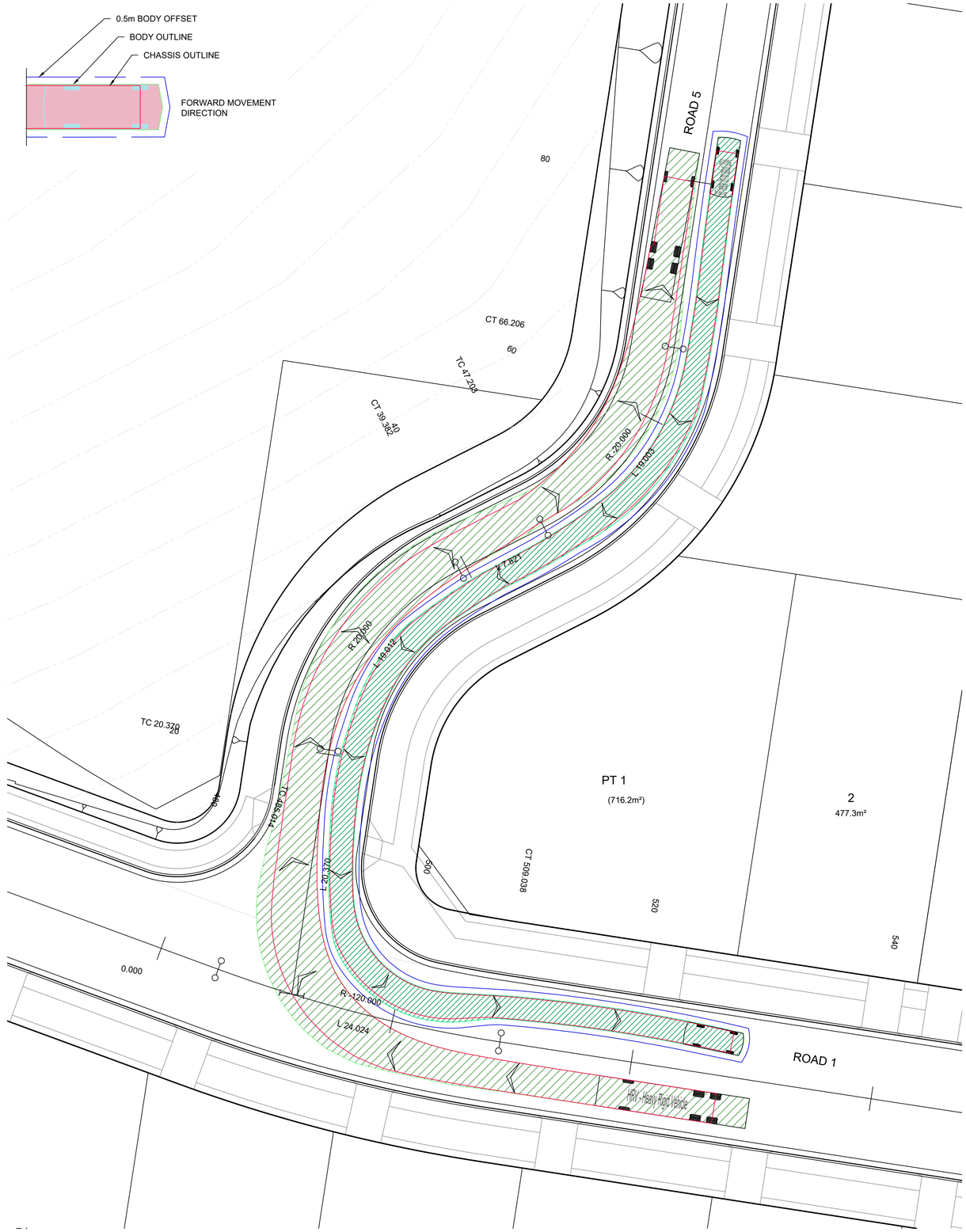
Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

B85 Vehicle (8m min radius) (2004)

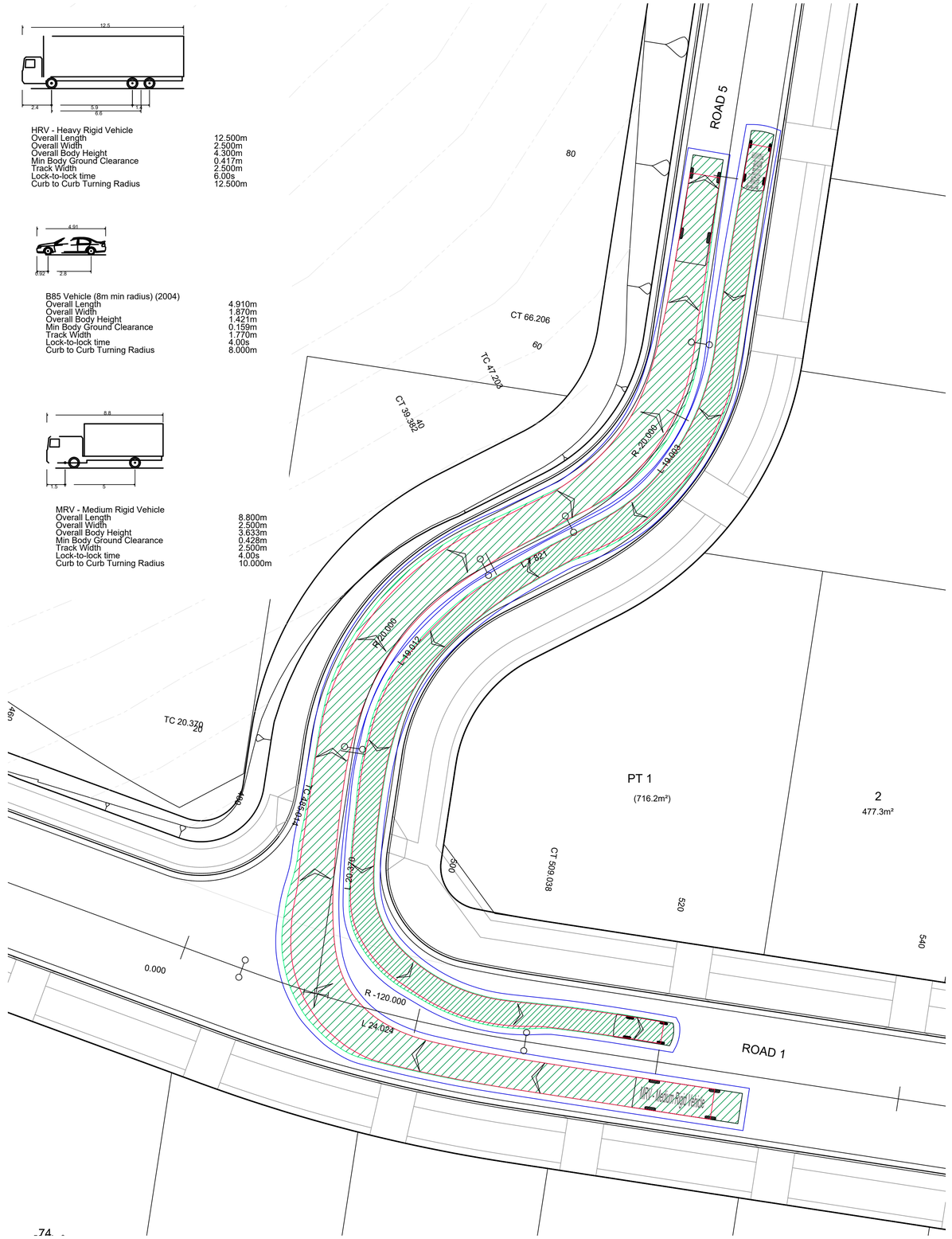
Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.533m
Min Body Ground Clearance	0.425m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m



CHECK VEHICLE
SCALE 1:200



DESIGN VEHICLE
SCALE 1:200

4 0 4 8 12 16 20 METRES 1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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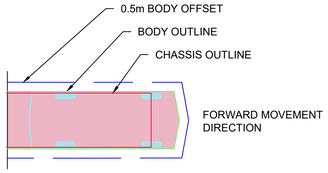
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
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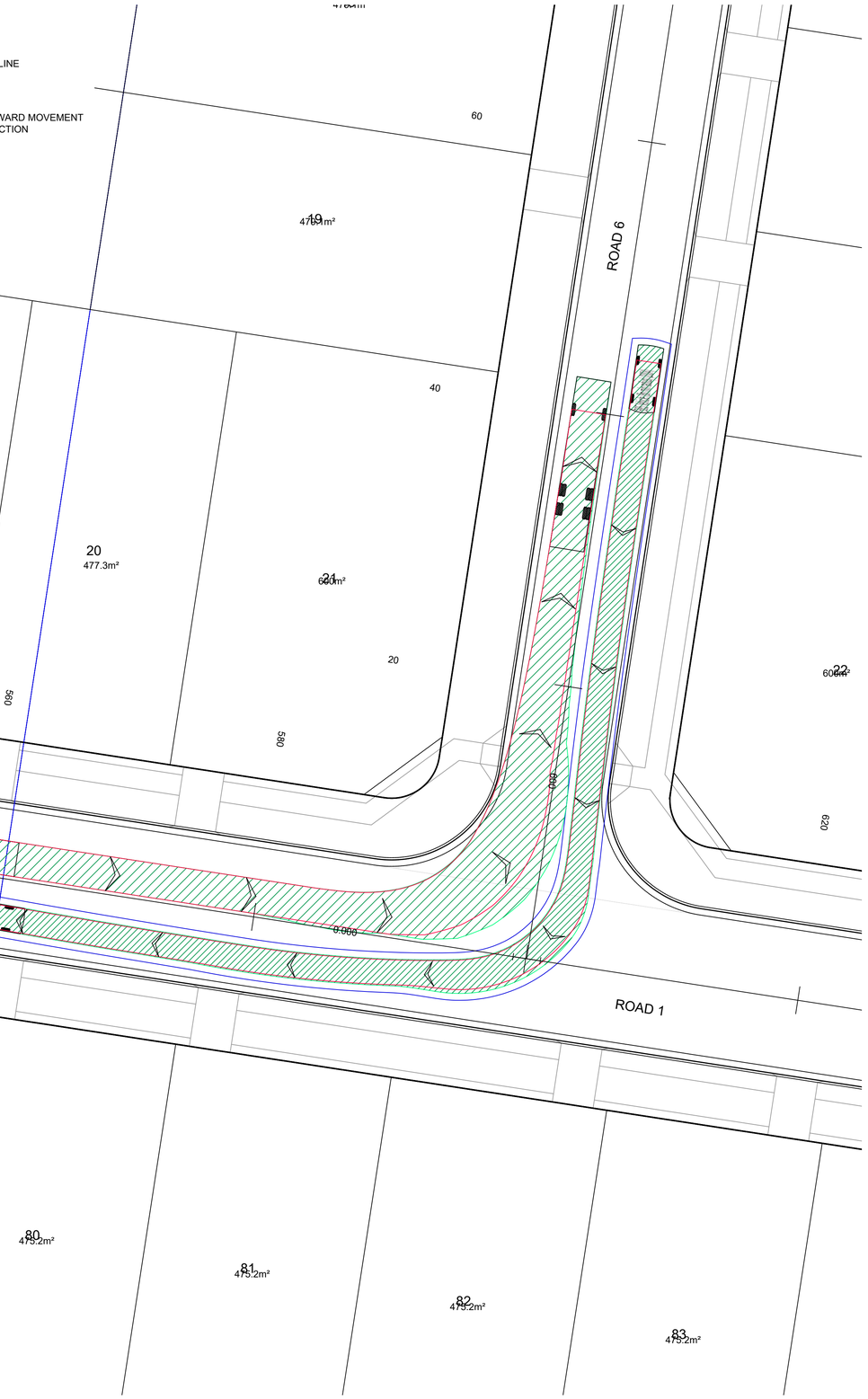
SWEPT PATH SHEET 7

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:200, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-907
File Ref. CC180099
REV. F





CHECK VEHICLE
SCALE 1:200

HRV - Heavy Rigid Vehicle

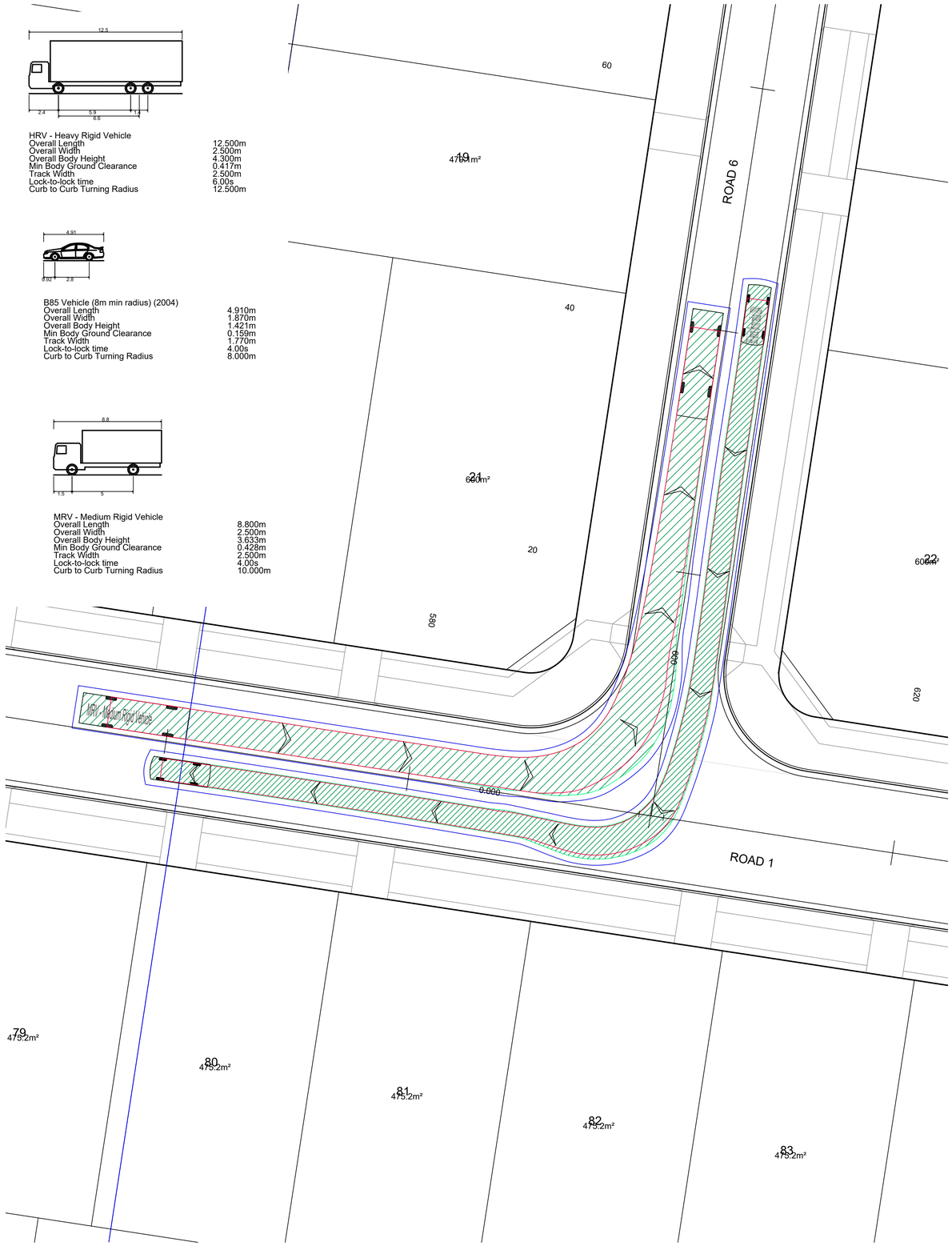
Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

B85 Vehicle (8m min radius) (2004)

Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.633m
Min Body Ground Clearance	0.428m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m



DESIGN VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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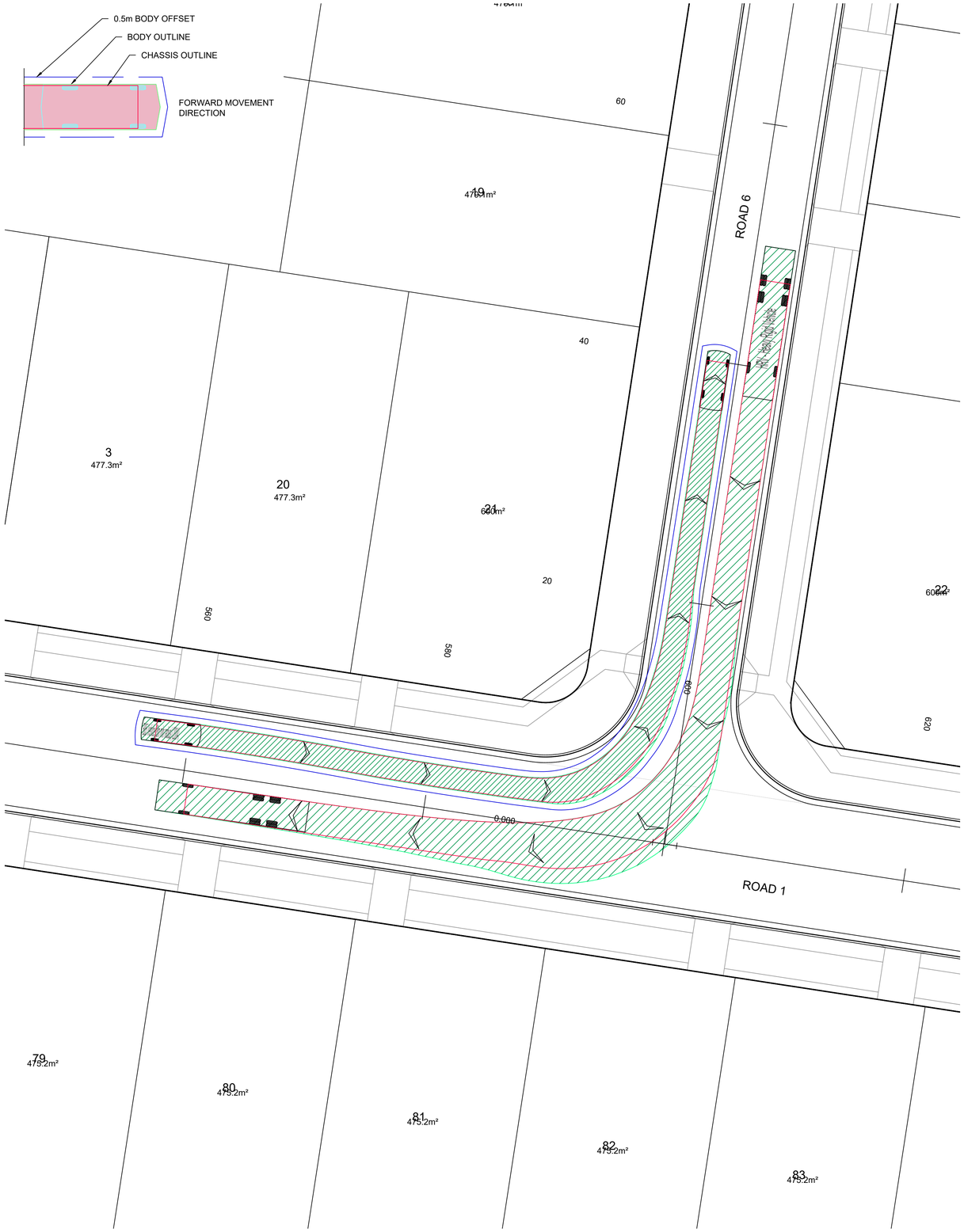
SWEPT PATH SHEET 8

Designed: JT
Drawn: DKH
Checked: SGB

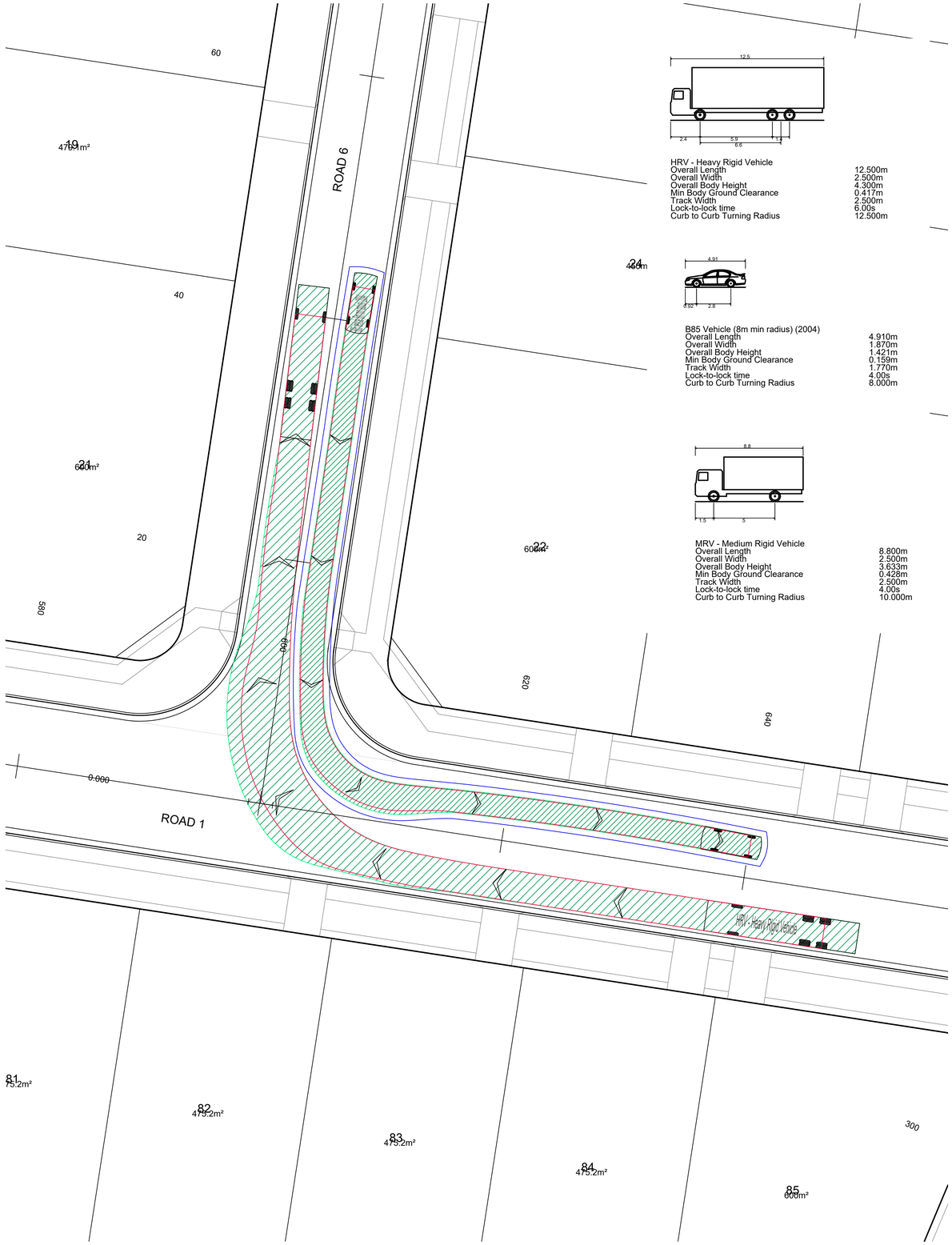
Scales: @A1
Plan 1:200
Horiz. -
Vert. -
X-Sect. -

Datum: A.H.D.

Plan No.
CC180099-07-908
File Ref.
CC180099
REV.
F



CHECK VEHICLE
SCALE 1:200



HRV - Heavy Rigid Vehicle

Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

B85 Vehicle (8m min radius) (2004)

Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.633m
Min Body Ground Clearance	0.428m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m

CHECK VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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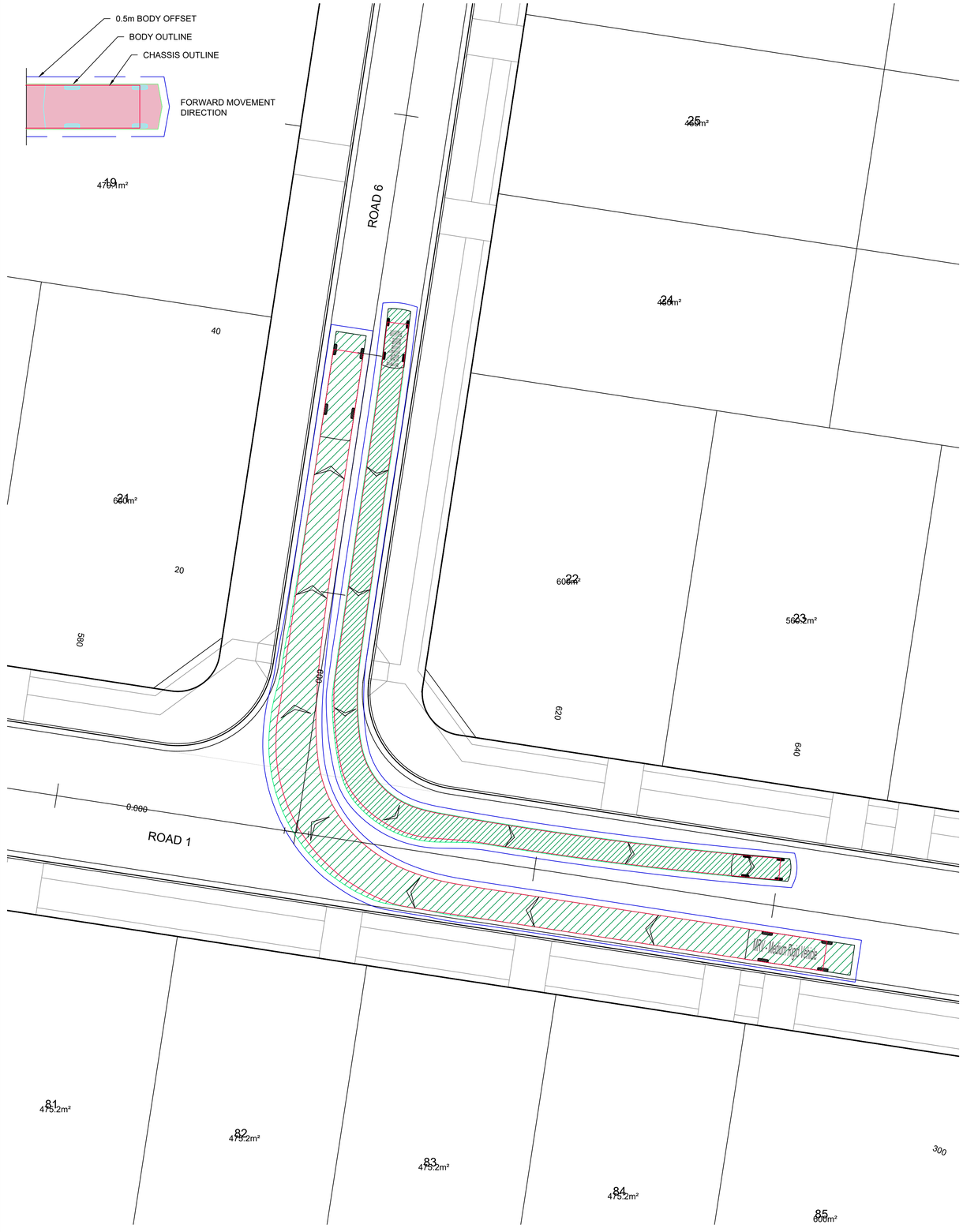
SWEPT PATH SHEET 9

Designed: JT
Drawn: DKH
Checked: SGB

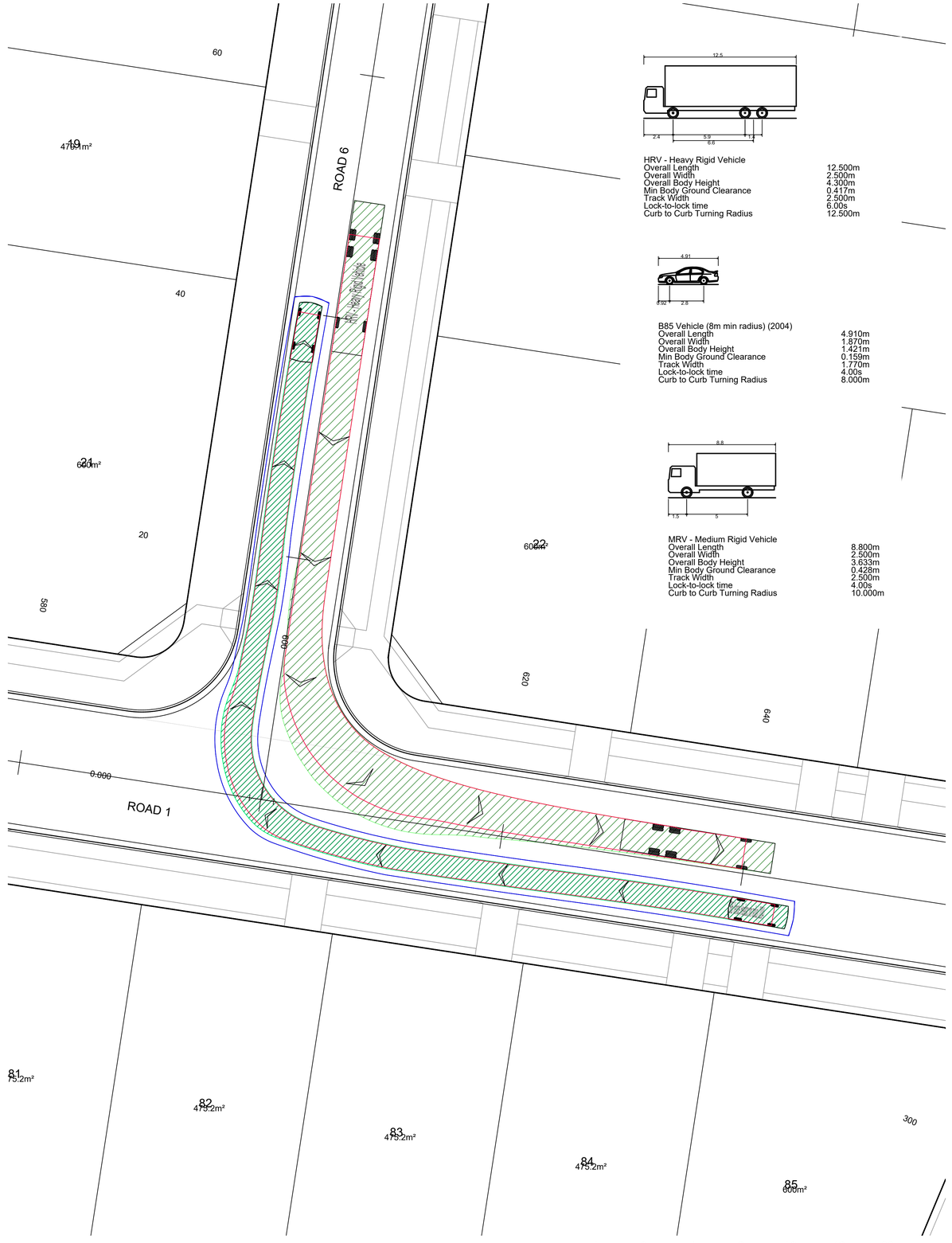
Scales: @A1
Plan 1:200
Horiz. -
Vert. -
X-Sect. -

Datum: A.H.D.

Plan No.
CC180099-07-909
File Ref.
CC180099
REV.
F



DESIGN VEHICLE
SCALE 1:200



CHECK VEHICLE
SCALE 1:200

HRV - Heavy Rigid Vehicle

Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

B85 Vehicle (8m min radius) (2004)

Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.633m
Min Body Ground Clearance	0.428m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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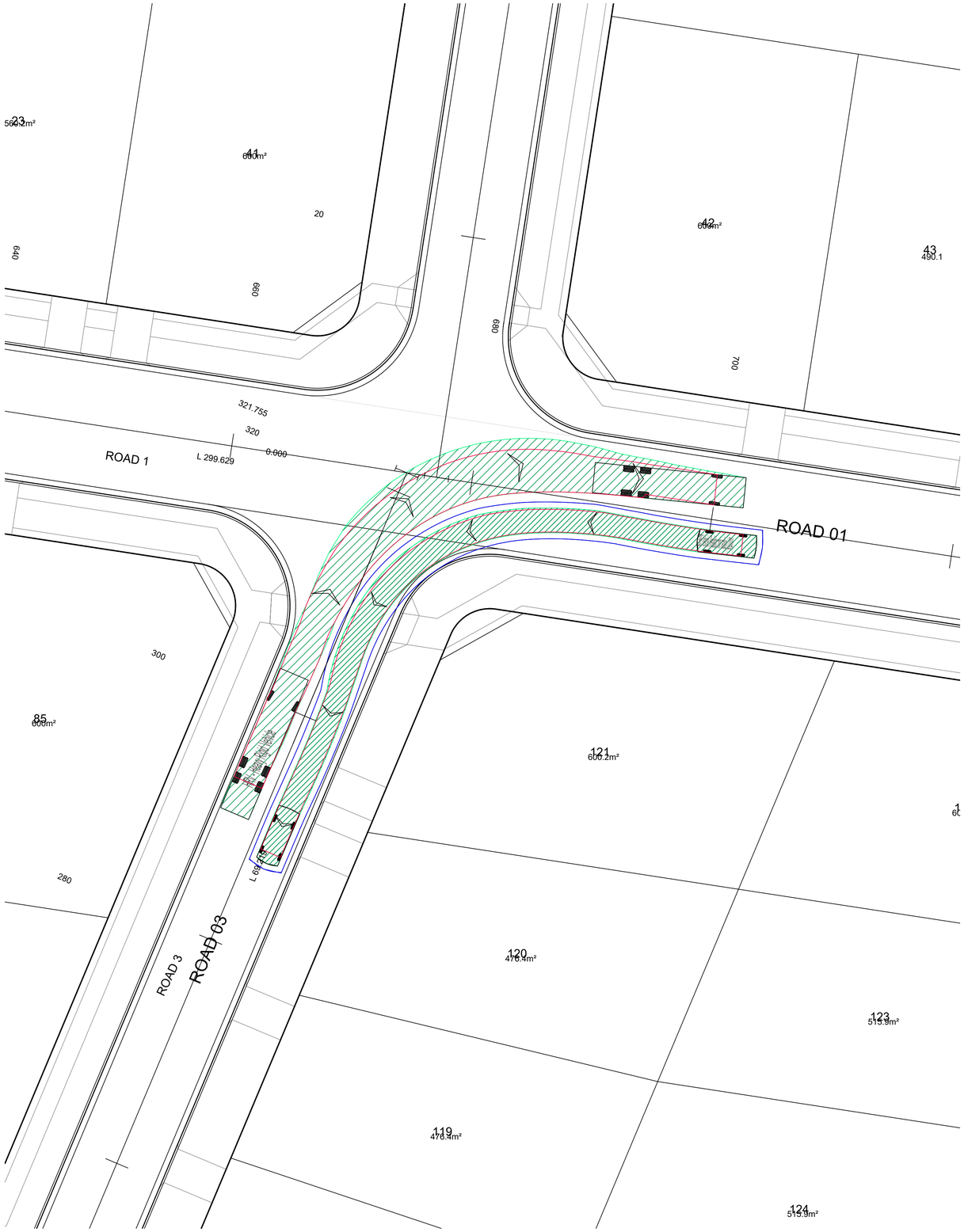
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

SWEPT PATH SHEET 10

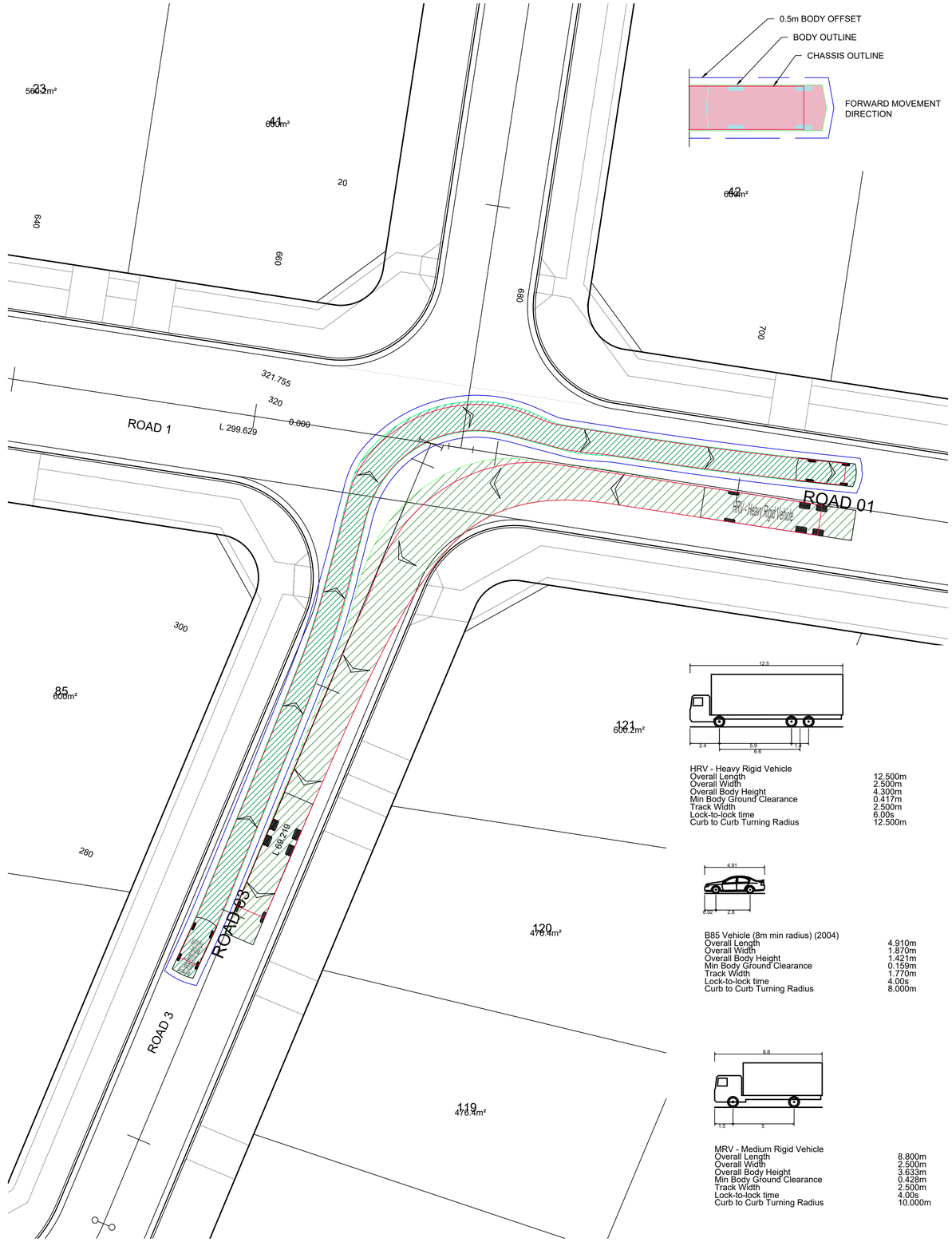
Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:200, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No.
CC180099-07-910
File Ref.
CC180099
REV.
F



CHECK VEHICLE
SCALE 1:200



HRV - Heavy Rigid Vehicle

Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

B85 Vehicle (8m min radius) (2004)

Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.633m
Min Body Ground Clearance	0.428m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m

CHECK VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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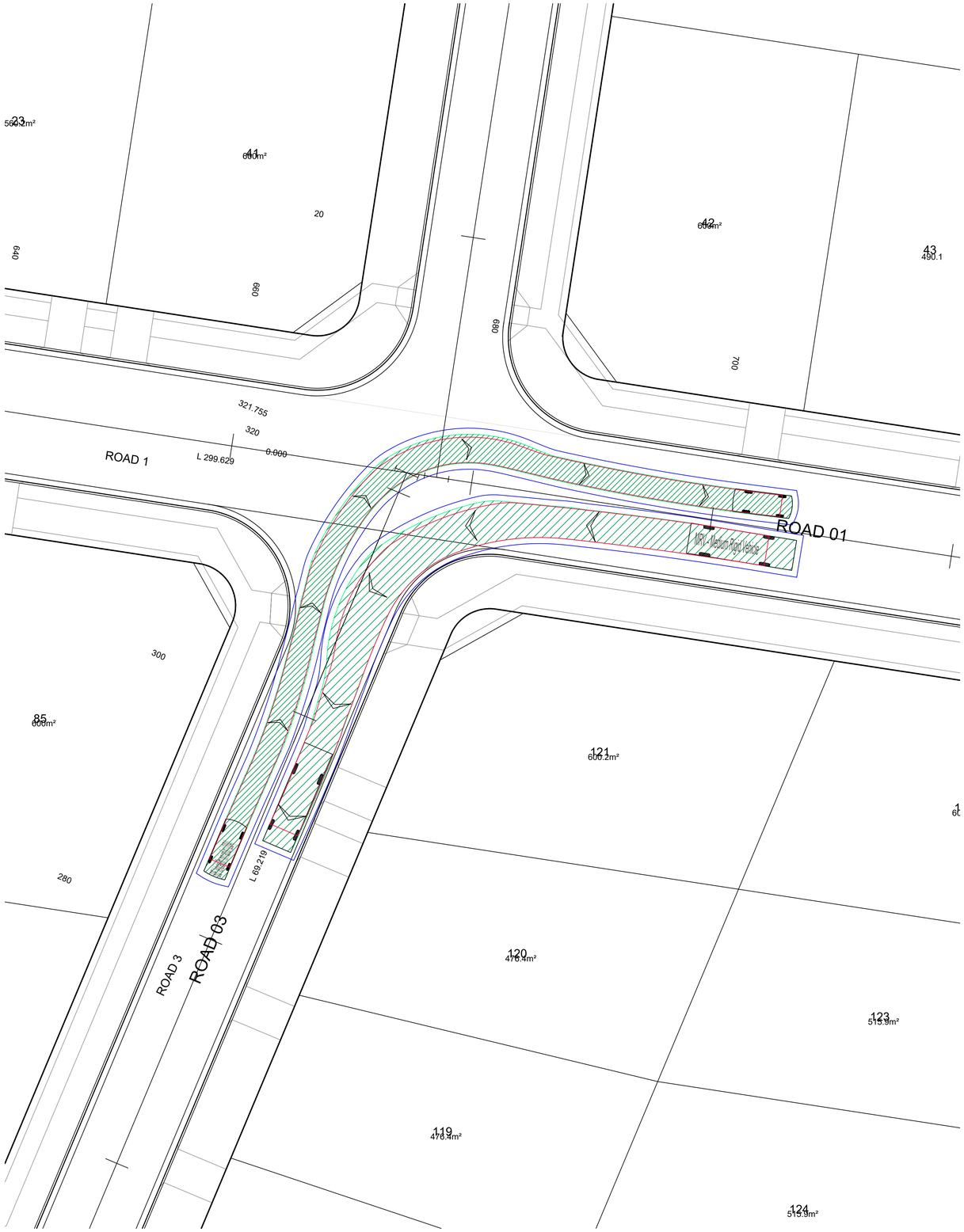
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

SWEPT PATH SHEET 11

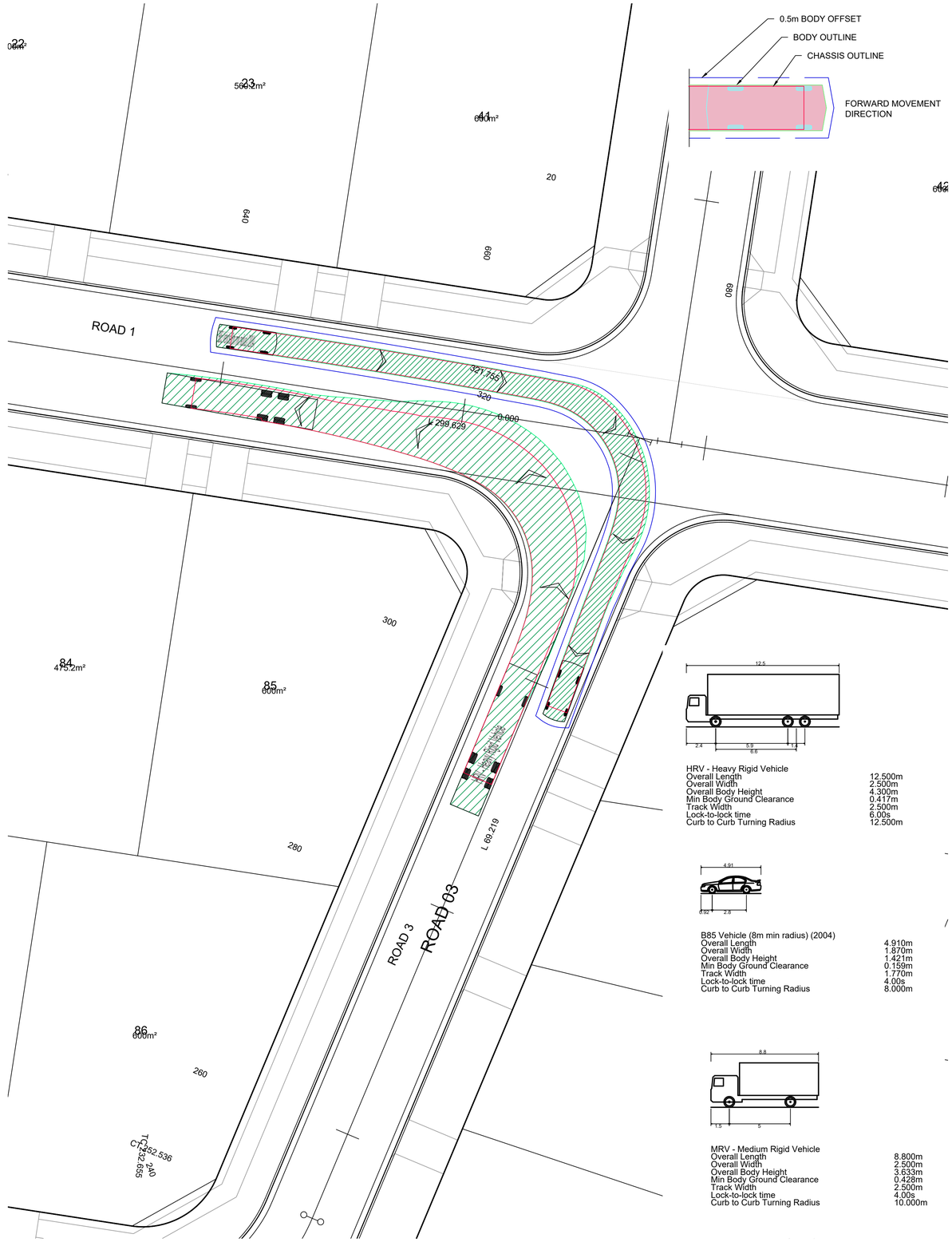
Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:200, Horiz. -, Vert. -, X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-911
File Ref. CC180099
REV. F



DESIGN VEHICLE
SCALE 1:200



CHECK VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

HRV - Heavy Rigid Vehicle

Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

B85 Vehicle (8m min radius) (2004)

Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.633m
Min Body Ground Clearance	0.428m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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SWEPT PATH SHEET 12

Designed: JT
Drawn: DKH
Checked: SGB

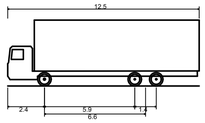
Scales: @A1
Plan 1:200
Horiz. -
Vert. -
X-Sect. -

Datum: A.H.D.

Plan No.
CC180099-07-912

File Ref.
CC180099

REV.
F



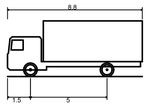
HRV - Heavy Rigid Vehicle

Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m



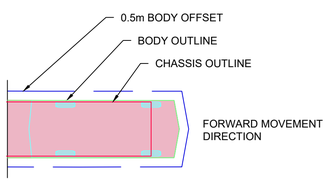
B85 Vehicle (8m min radius) (2004)

Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m



MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.633m
Min Body Ground Clearance	0.428m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m



CHECK VEHICLE
SCALE 1:200

DESIGN VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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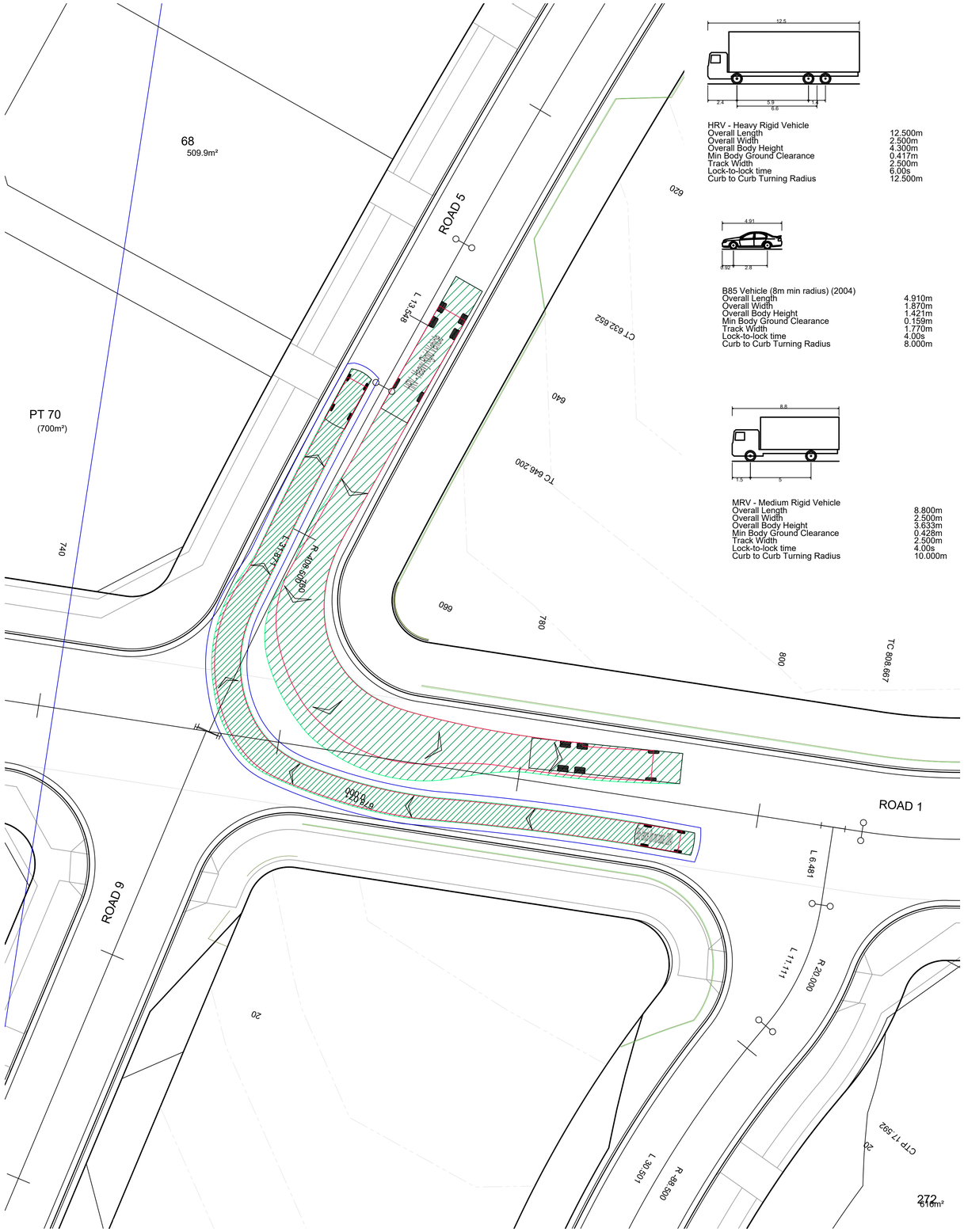
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

SWEPT PATH SHEET 13

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1
Plan 1:200
Horiz. -
Vert. -
X-Sect. -
Datum: A.H.D.

Plan No.
CC180099-07-913
File Ref.
CC180099
REV.
F



HRV - Heavy Rigid Vehicle

Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

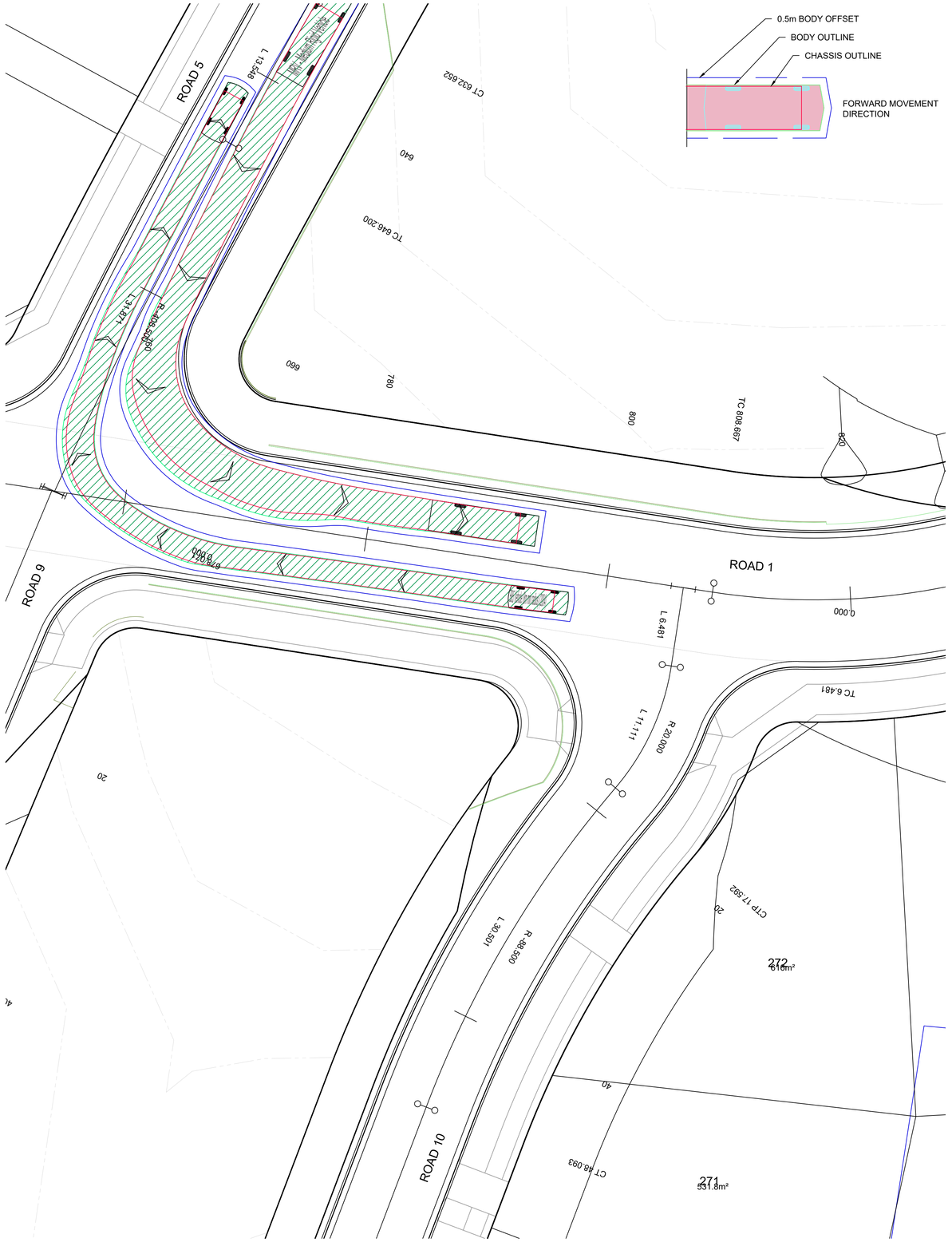
B85 Vehicle (8m min radius) (2004)

Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.633m
Min Body Ground Clearance	0.428m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m

CHECK VEHICLE
SCALE 1:200



DESIGN VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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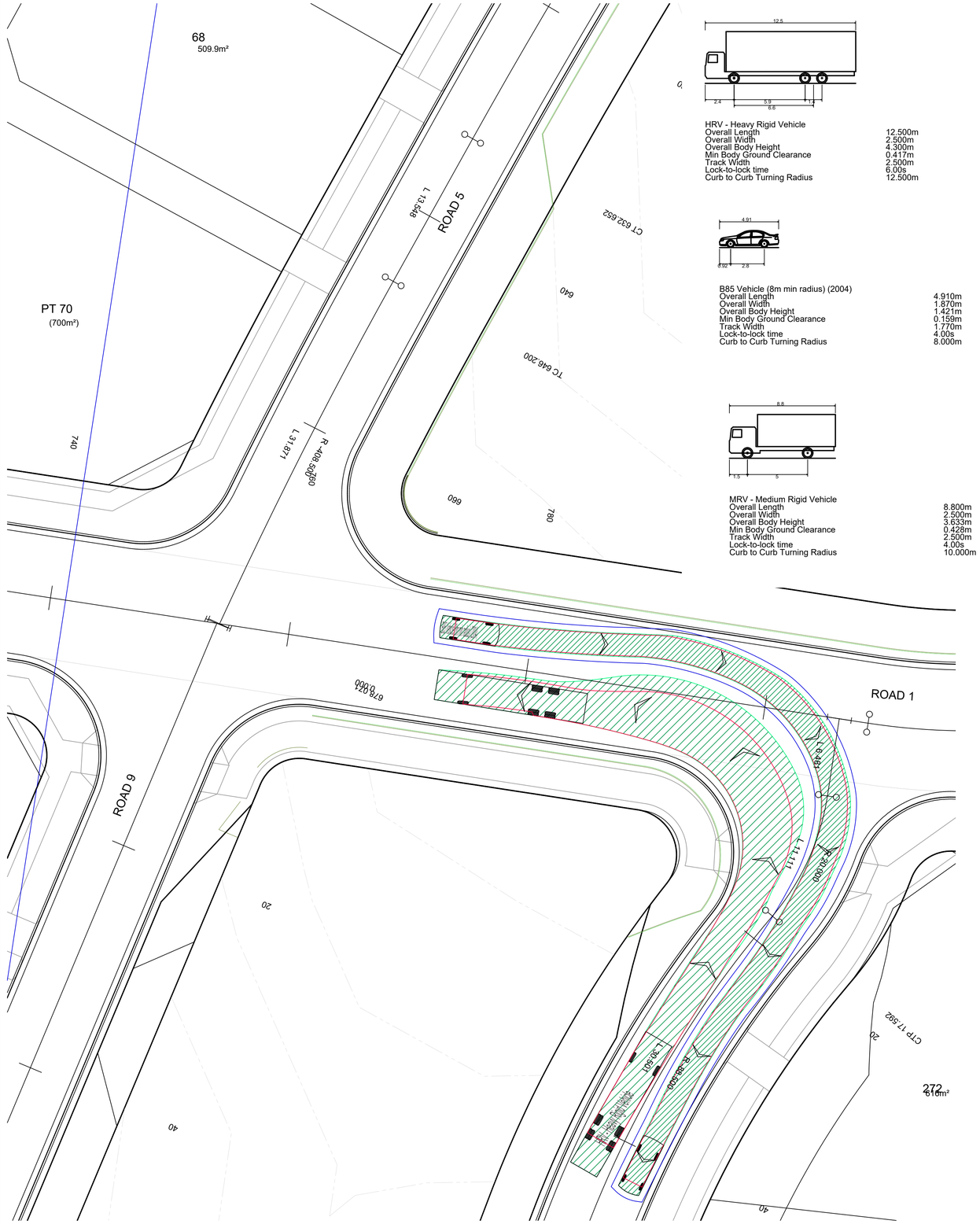
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

SWEPT PATH SHEET 14

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:200 Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-914
File Ref. CC180099
REV. F



HRV - Heavy Rigid Vehicle

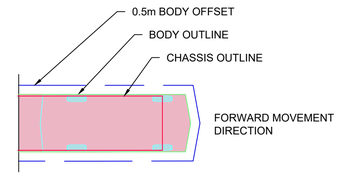
Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

B85 Vehicle (8m min radius) (2004)

Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.633m
Min Body Ground Clearance	0.428m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m



CHECK VEHICLE
SCALE 1:200

DESIGN VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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SWEPT PATH SHEET 15

Designed: JT
Drawn: DKH
Checked: SGB

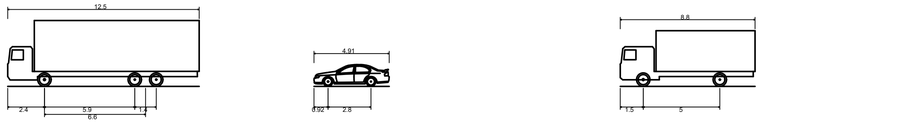
Scales: @A1
Plan 1:200
Horiz. -
Vert. -
X-Sect. -

Datum: A.H.D.

Plan No.
CC180099-07-915

File Ref.
CC180099

REV.
F



HRV - Heavy Rigid Vehicle

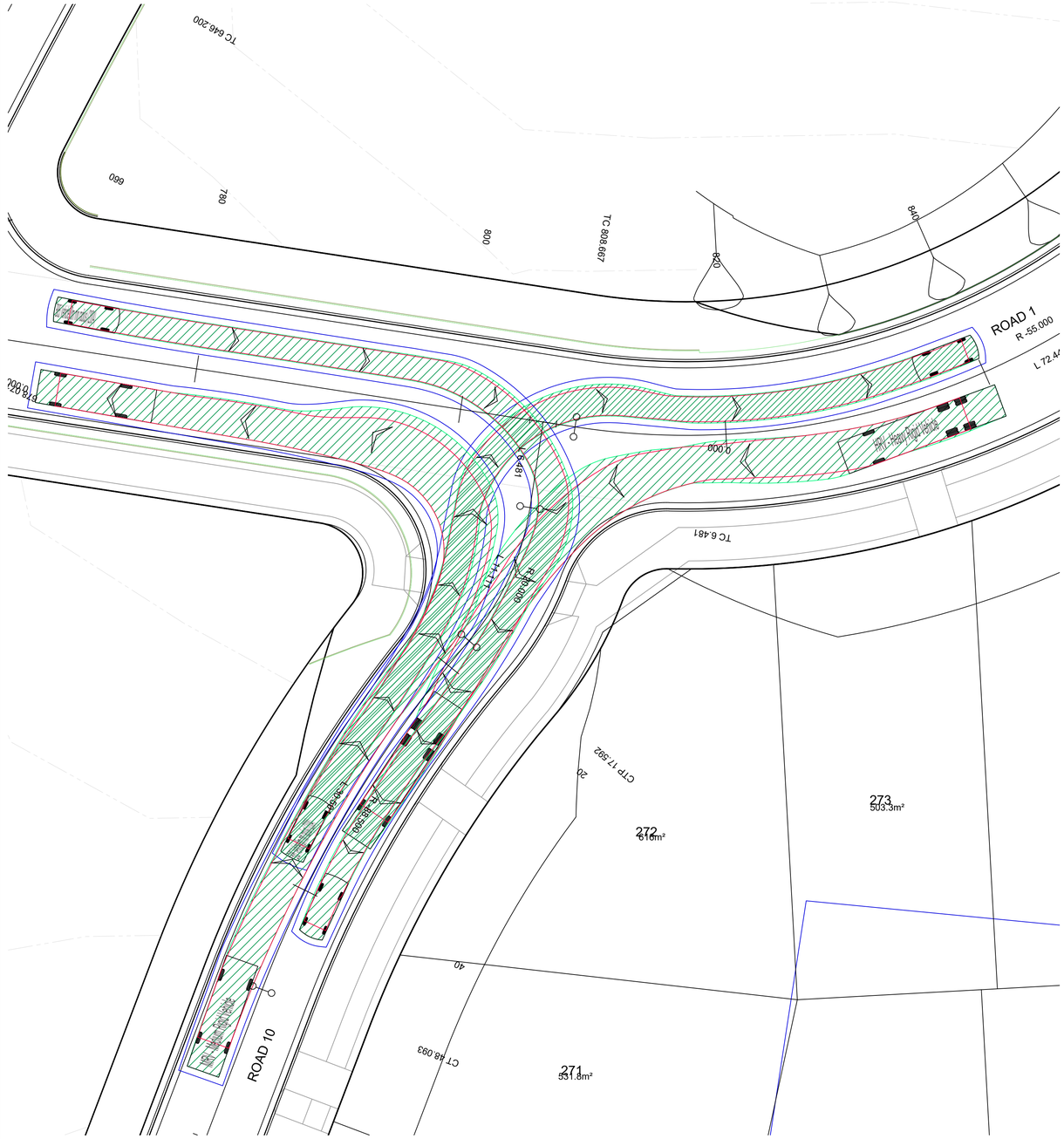
Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

B85 Vehicle (8m min radius) (2004)

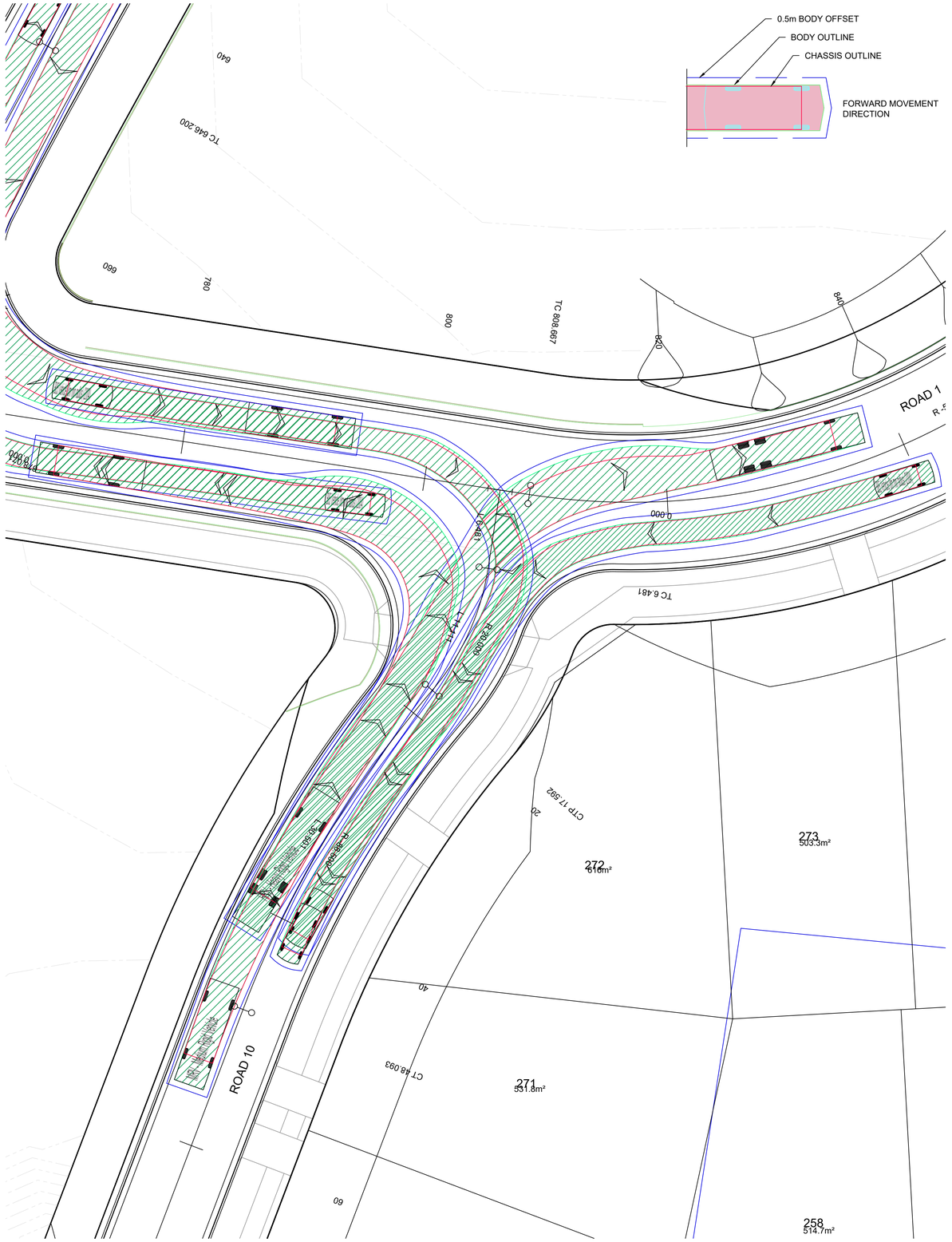
Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.633m
Min Body Ground Clearance	0.428m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m



CHECK VEHICLE
SCALE 1:200



CHECK VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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SWEPT PATH SHEET 16

Designed: JT
Drawn: DKH
Checked: SGB

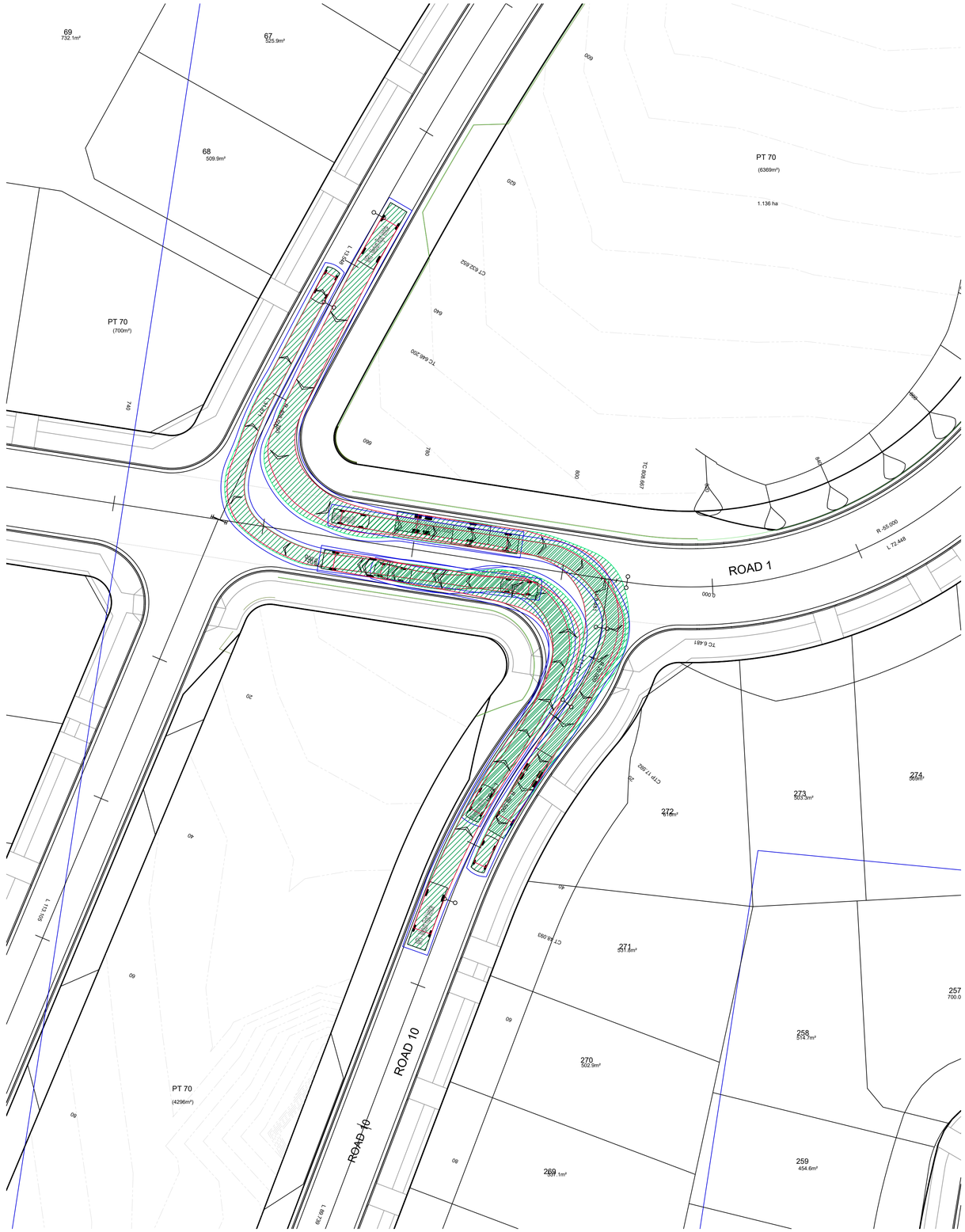
Scales: @A1
Plan 1:200
Horiz. -
Vert. -
X-Sect. -

Datum: A.H.D.

Plan No.
CC180099-07-916

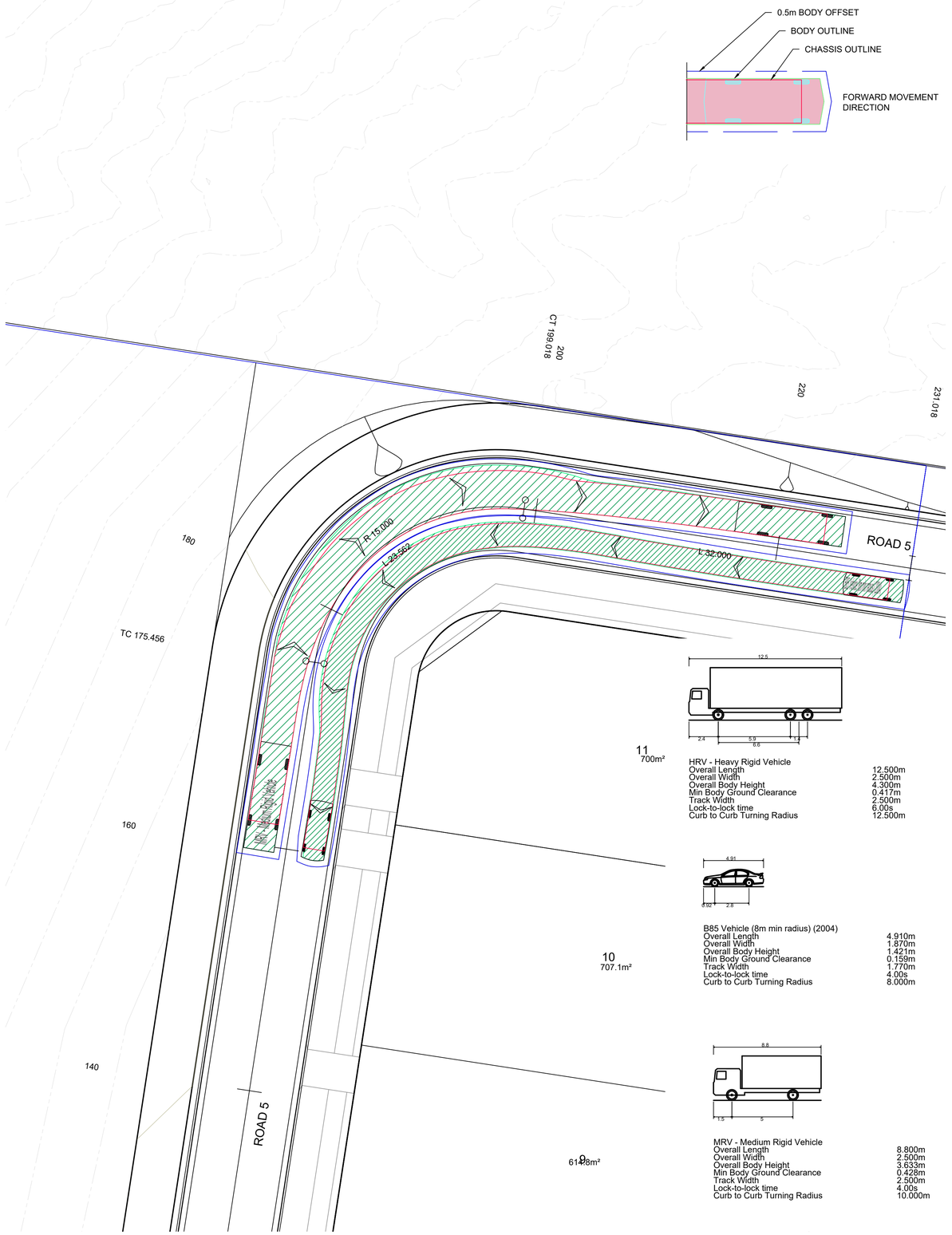
File Ref.
CC180099

REV.
F


69
732.1m²
67
525.9m²
68
509.9m²
PT 70
(700m²)
PT 70
(6369m²)
1.136 ha
PT 70
(4296m²)
ROAD 1
ROAD 10
ROAD 10
273
553.3m²
272
451.6m²
271
551.8m²
270
502.9m²
269
557.1m²
274
556m²
257
700.0
258
514.7m²
259
454.6m²
R -55.000
L 72.448
L 131.705
L 68.739
TC 6.481
CT 6.522
TC 648.200
TC 688.497
CT 6.523
CT 6.522
CT 6.523
CT 6.523
CT 6.523



CHECK VEHICLE
SCALE 1:200



HRV - Heavy Rigid Vehicle

Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

B85 Vehicle (8m min radius) (2004)

Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.633m
Min Body Ground Clearance	0.428m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m

DESIGN VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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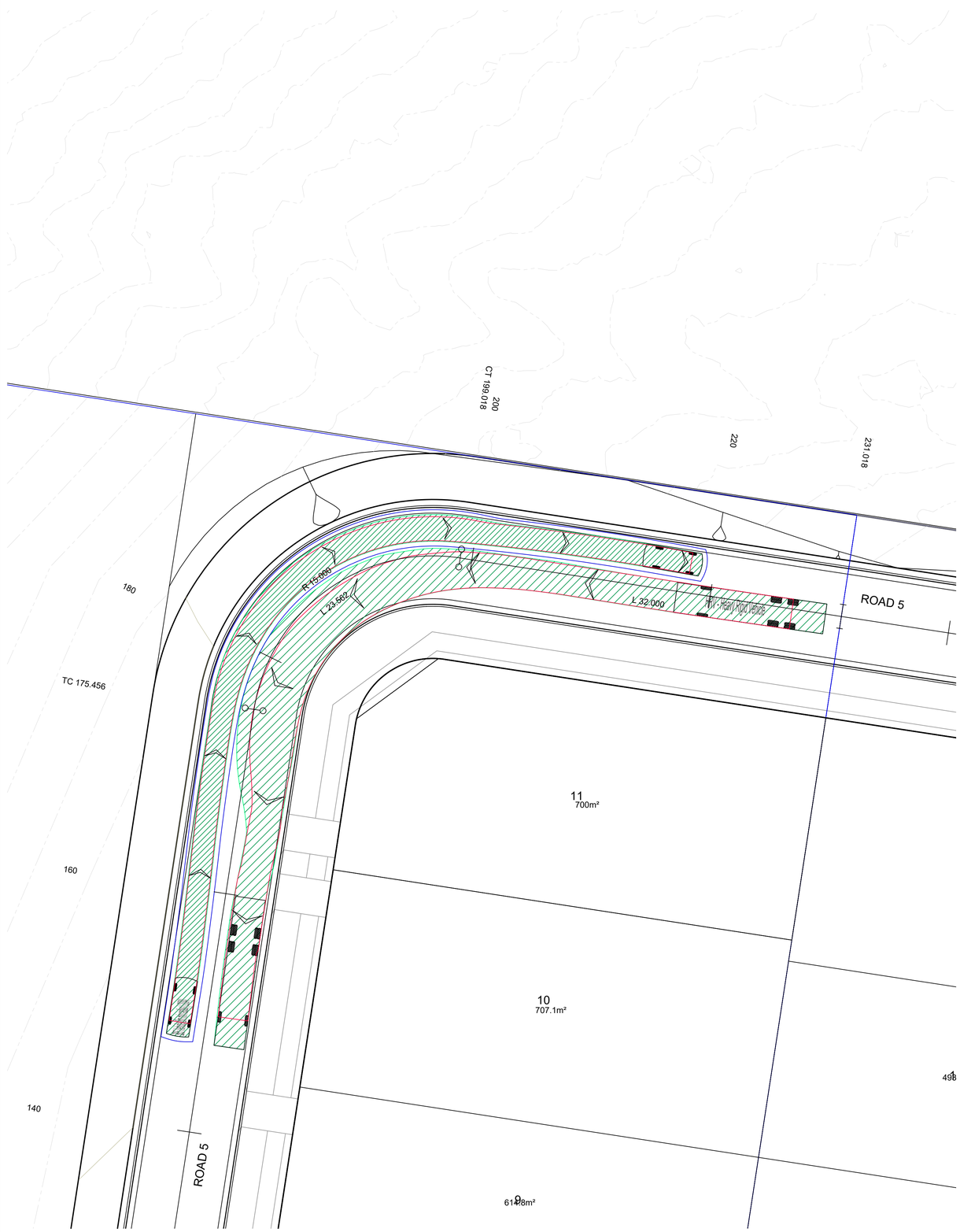
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

SWEPT PATH SHEET 18

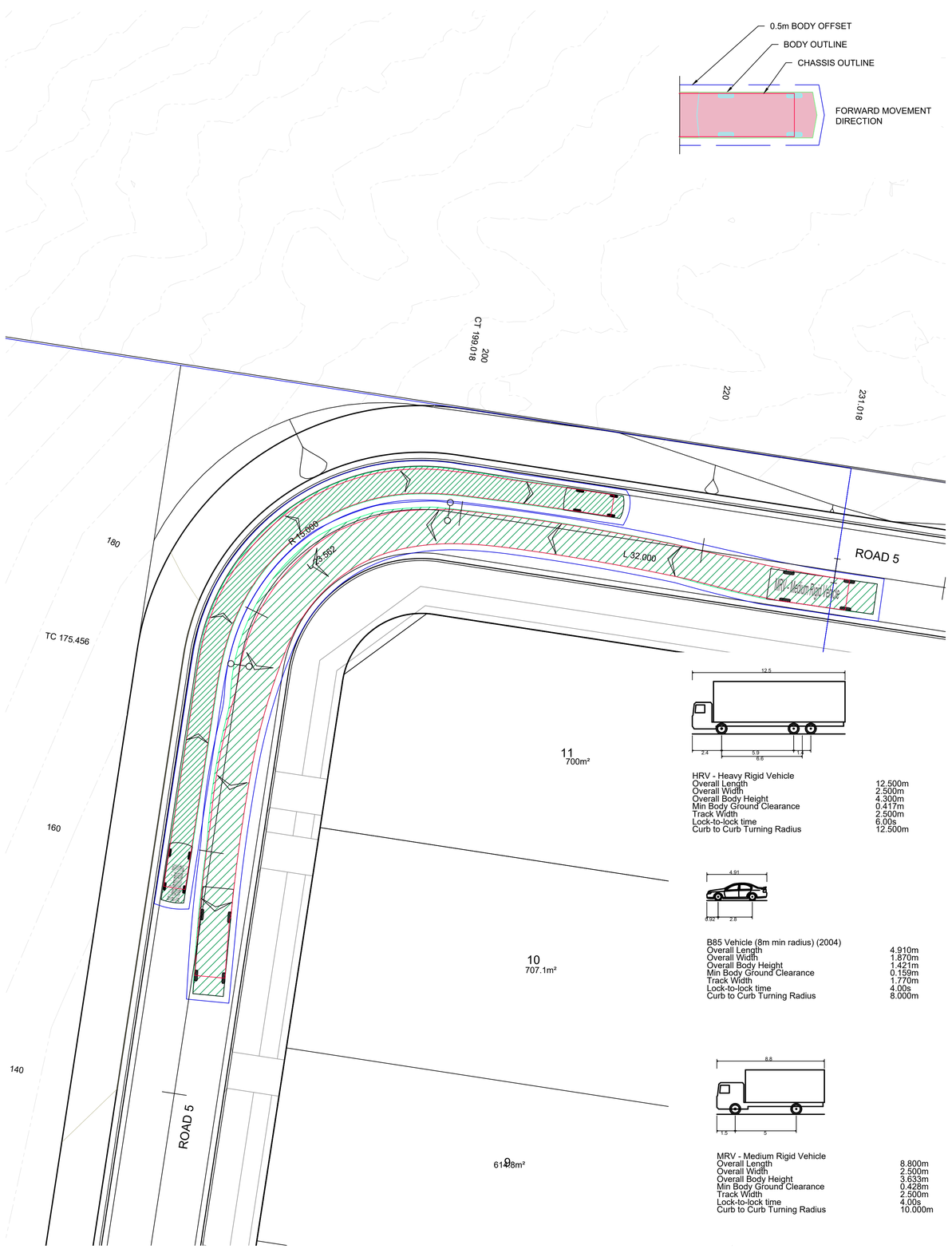
Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:200 Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-918
File Ref. CC180099
REV. F



CHECK VEHICLE
SCALE 1:200



DESIGN VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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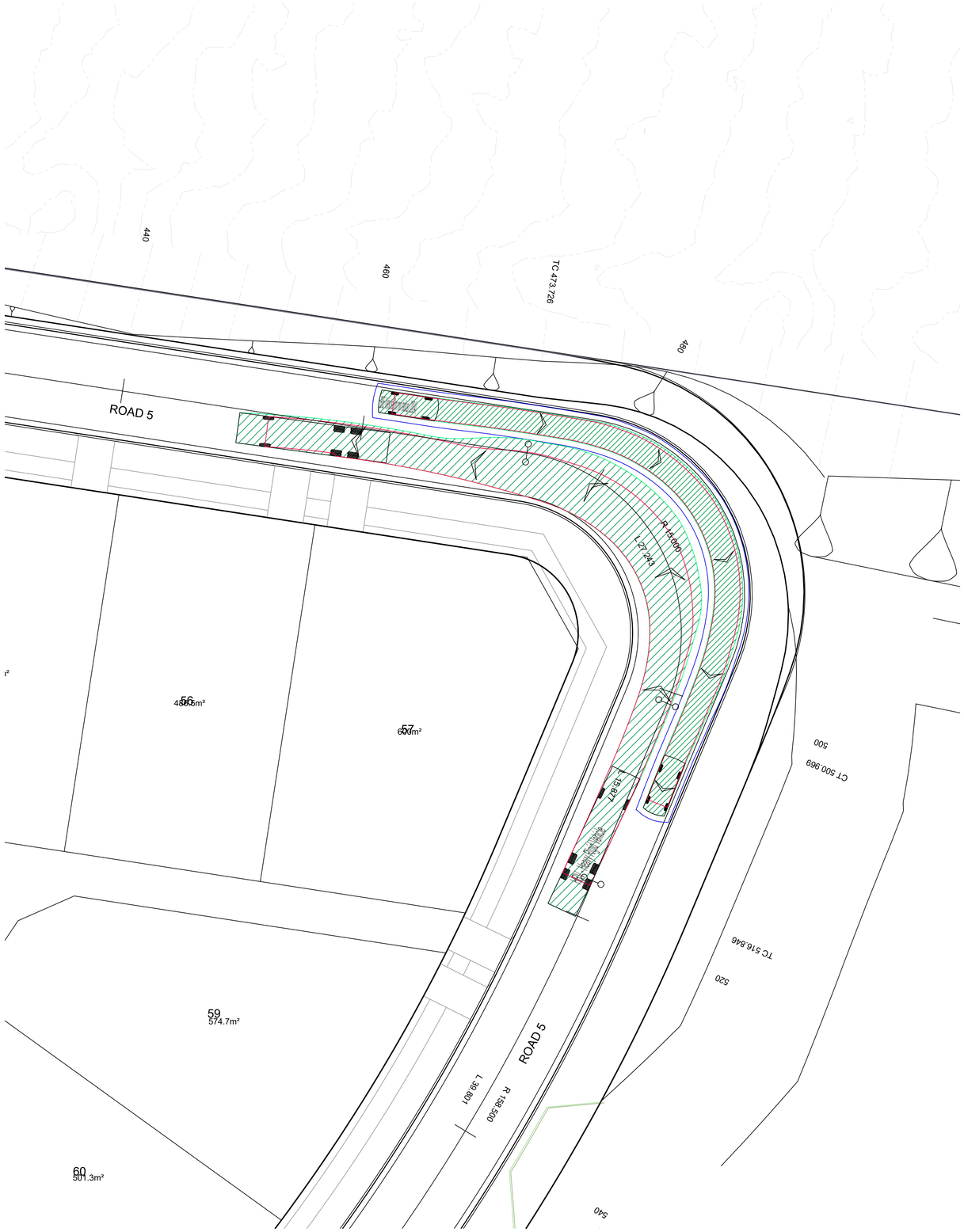
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
PROPOSED RESIDENTIAL SUBDIVISION

SWEPT PATH SHEET 19

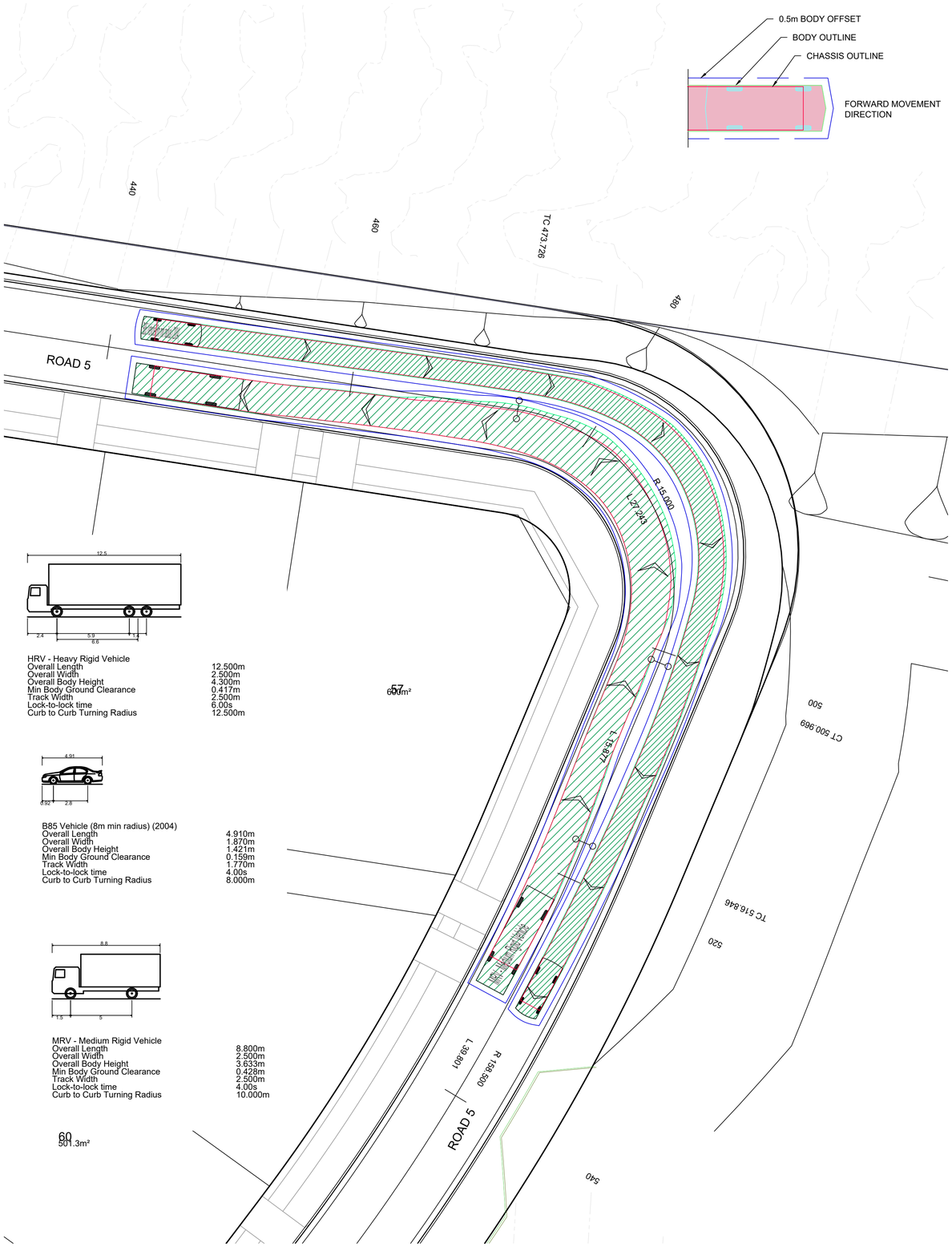
Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:200 Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No.
CC180099-07-919
File Ref. CC180099
REV. F



CHECK VEHICLE
SCALE 1:200



HRV - Heavy Rigid Vehicle

Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

B85 Vehicle (8m min radius) (2004)

Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.633m
Min Body Ground Clearance	0.428m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m

DESIGN VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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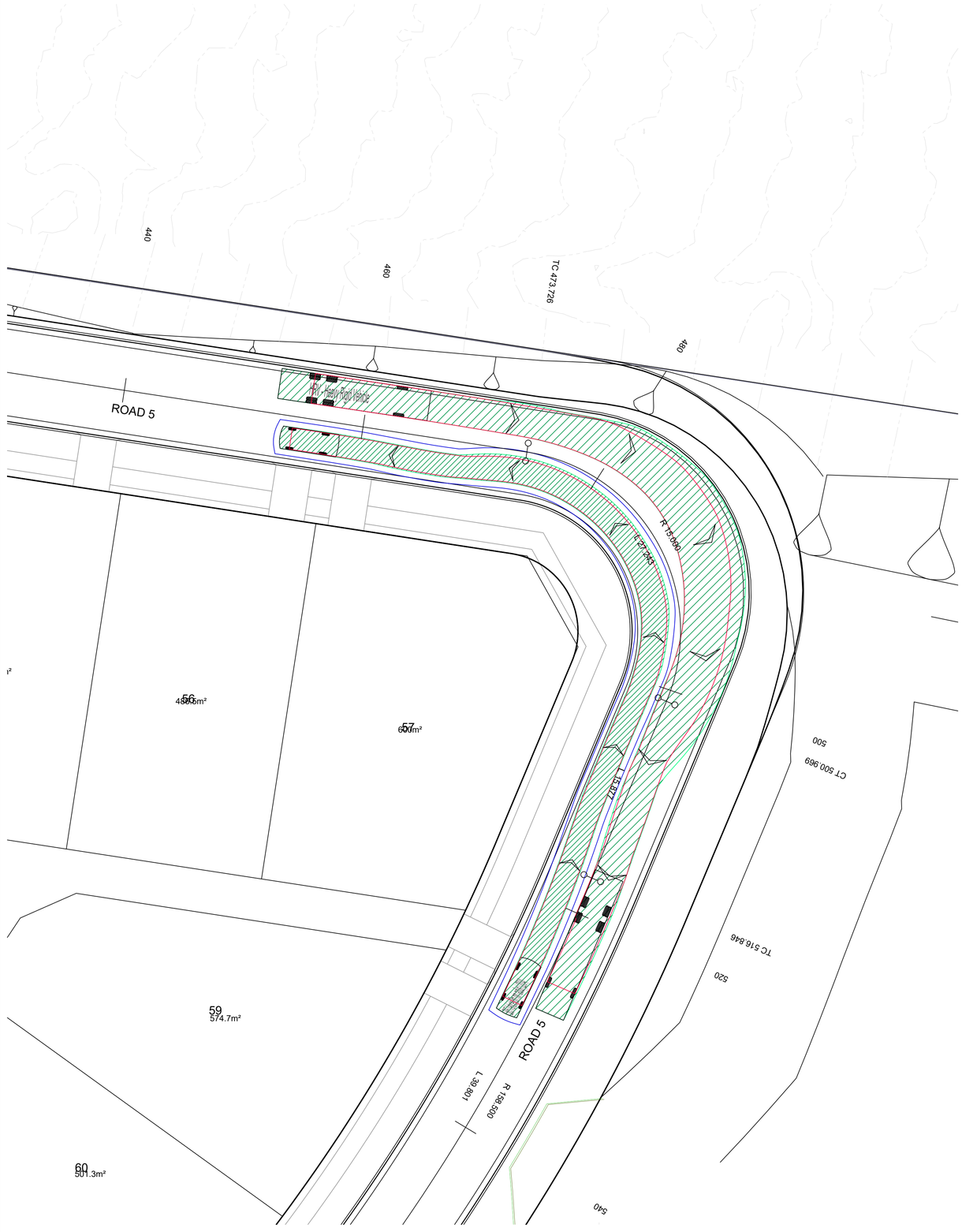
285-325 PACIFIC HIGHWAY, LAKE MUNMORAH
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SWEPT PATH SHEET 20

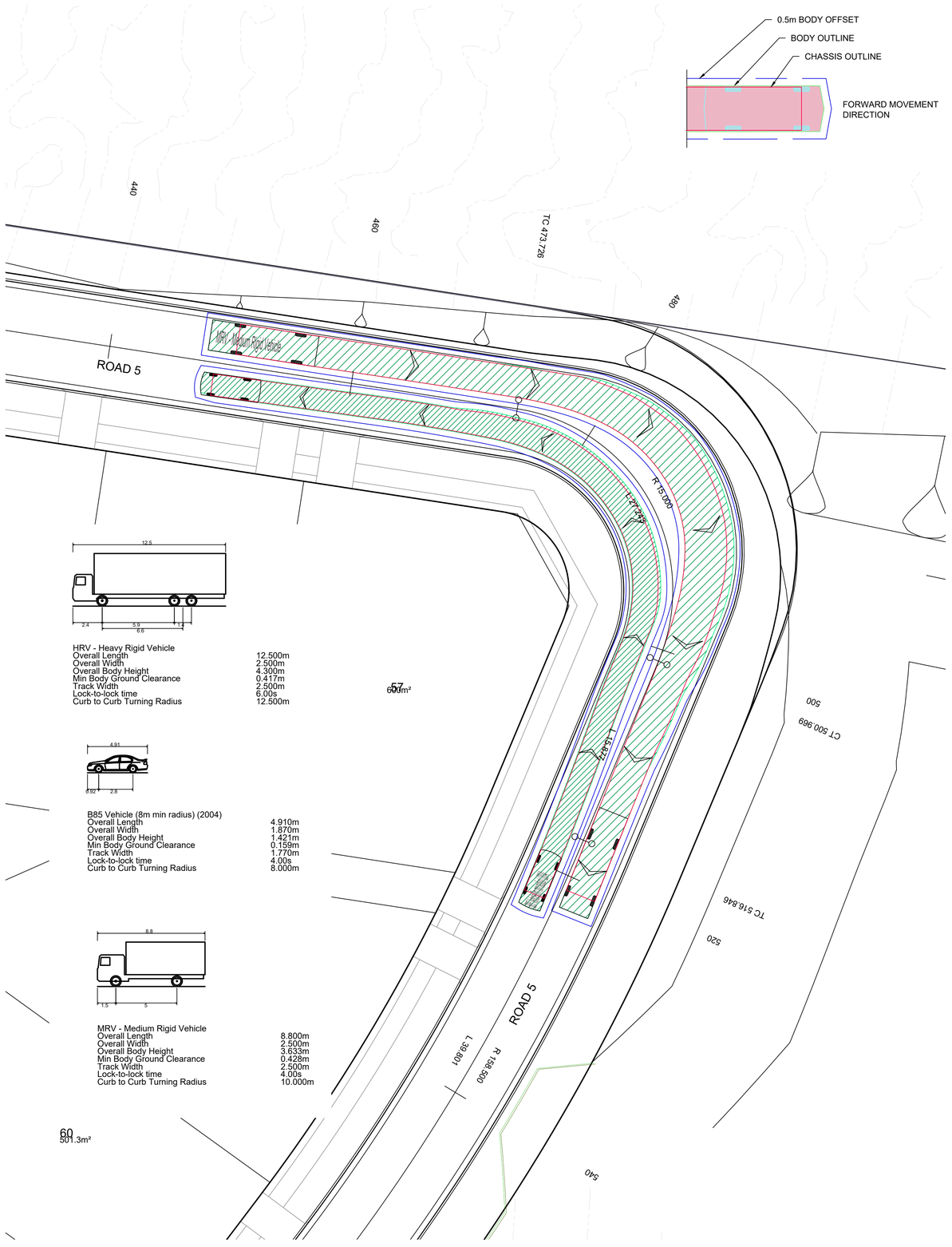
Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:200 Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-920
File Ref. CC180099
REV. F



CHECK VEHICLE
SCALE 1:200



HRV - Heavy Rigid Vehicle

Overall Length	12.500m
Overall Width	2.500m
Overall Body Height	4.300m
Min Body Ground Clearance	0.417m
Track Width	2.500m
Lock-to-lock time	6.00s
Curb to Curb Turning Radius	12.500m

B85 Vehicle (8m min radius) (2004)

Overall Length	4.910m
Overall Width	1.870m
Overall Body Height	1.421m
Min Body Ground Clearance	0.159m
Track Width	1.770m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	8.000m

MRV - Medium Rigid Vehicle

Overall Length	8.800m
Overall Width	2.500m
Overall Body Height	3.633m
Min Body Ground Clearance	0.428m
Track Width	2.500m
Lock-to-lock time	4.00s
Curb to Curb Turning Radius	10.000m

DESIGN VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
D	REVISED FOR COUNCIL RFI	JT	24/03/2025
E	CONSOLIDATE DESIGN PER COUNCIL RFI	SGB	04/04/2025
F	REVISED CULVERTS AT CHISHOLM AVE EXTENSION	SGB	14/04/2025

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SWEPT PATH SHEET 21

Designed: JT
Drawn: DKH
Checked: SGB

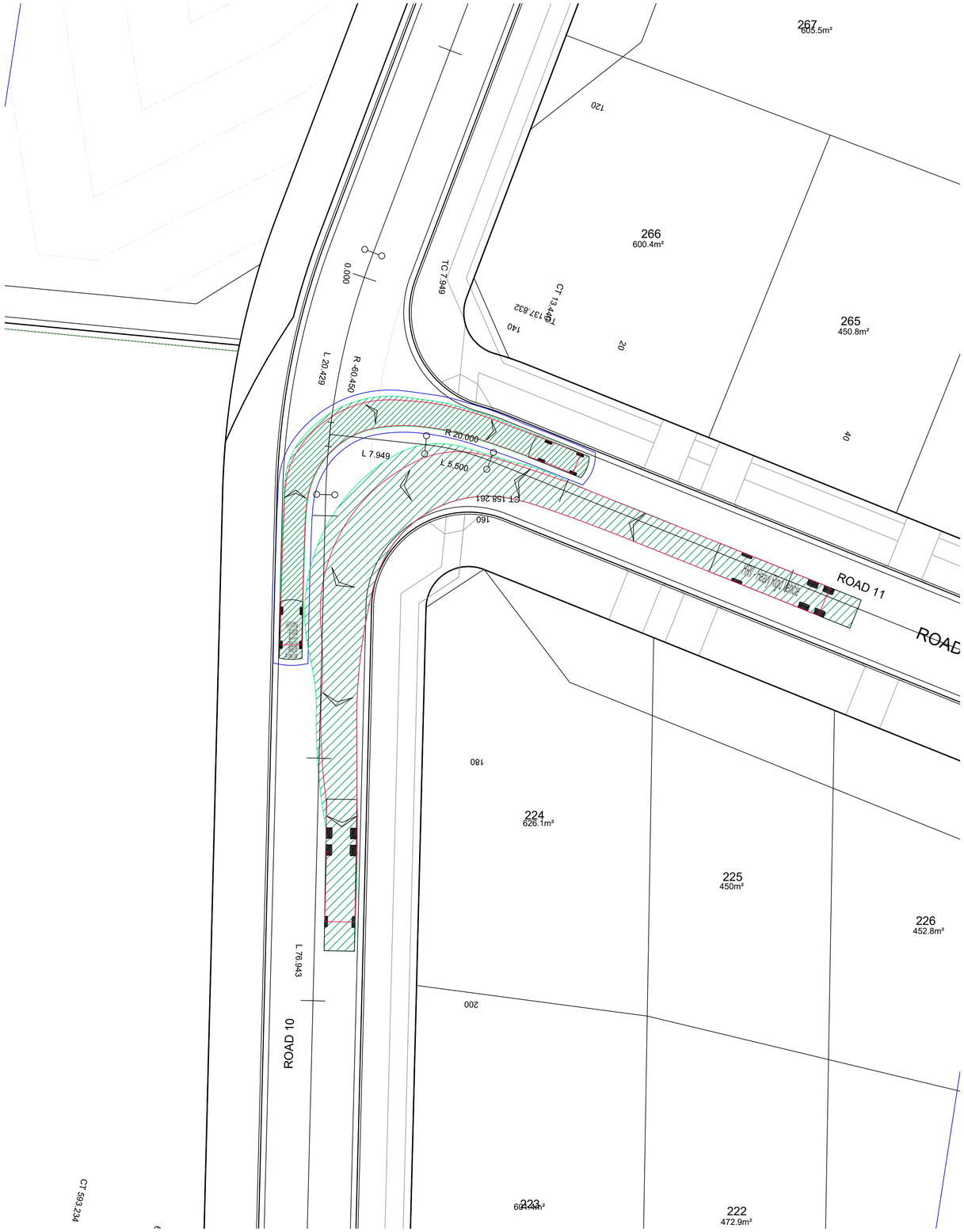
Scales: @A1
Plan 1:200
Horiz. -
Vert. -
X-Sect. -

Datum: A.H.D.

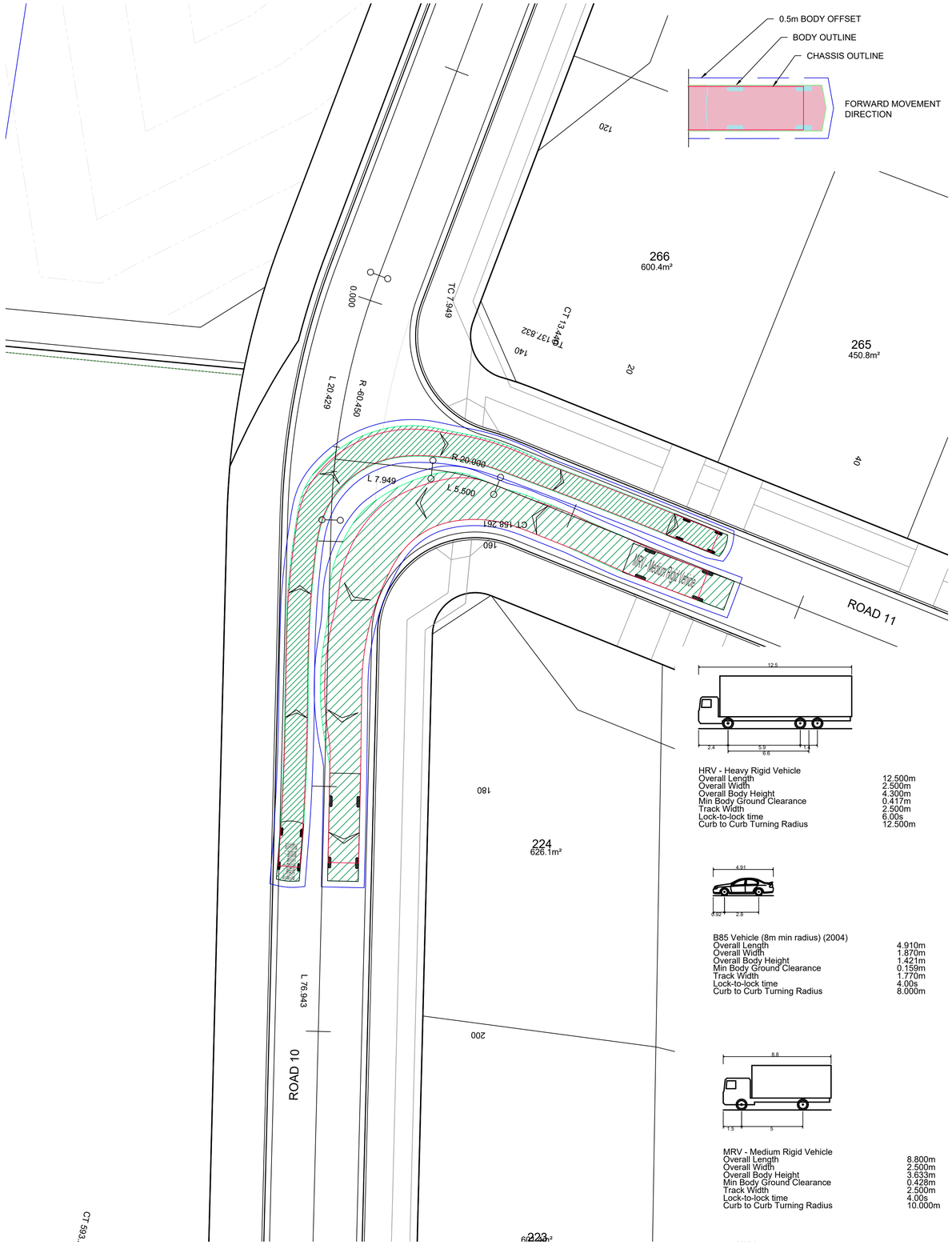
Plan No.
CC180099-07-921

File Ref.
CC180099

REV.
F



CHECK VEHICLE
SCALE 1:200



DESIGN VEHICLE
SCALE 1:200

4 0 4 8 12 16 20
METRES
1:200

REV	AMENDMENT	ISSUED	DATE
B	UPDATE FOR DA228/2024 NEAR POSSUM ST	SGB	20/05/2024
C	REVISED FOR COUNCIL RFI	JT	11/03/2025
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SWEPT PATH SHEET 22

Designed: JT
Drawn: DKH
Checked: SGB

Scales: @A1 Plan 1:200 Horiz. - Vert. - X-Sect. -
Datum: A.H.D.

Plan No. CC180099-07-922
File Ref. CC180099
REV. F