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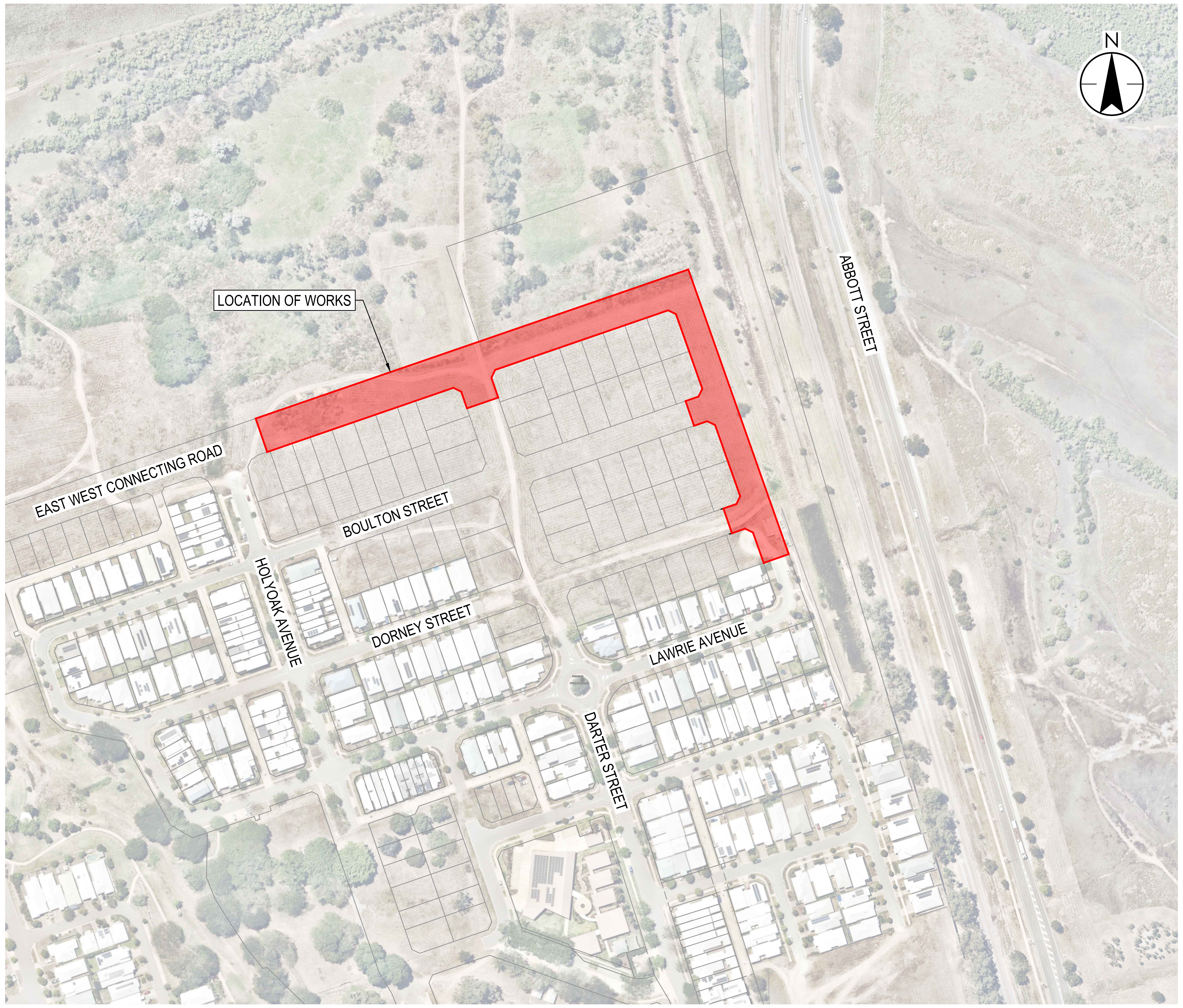

Project Number: 304702009

Drawing Number: 304702009-02-007-DR-CI-000001 Revision: P01

Plotted: 07-Aug-26 1:50:16 PM By: CAMPBELL, GRANT
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SCHEDULE OF DRAWINGS

DRAWING No.	REV.	DESCRIPTION
GENERAL		
304702009-02-007-DR-CI-000001	P01	COVER SHEET AND LOCALITY PLAN
304702009-02-007-DR-CI-000002	P01	SCHEDULE OF DRAWINGS
304702009-02-007-DR-CI-000010	P01	GENERAL NOTES AND DETAILS SHEET 1 OF 3
304702009-02-007-DR-CI-000011	P01	GENERAL NOTES AND DETAILS SHEET 2 OF 3
304702009-02-007-DR-CI-000012	P01	GENERAL NOTES AND DETAILS SHEET 3 OF 3
304702009-02-007-DR-CI-000013	P01	KEY PLAN AND ROAD HIERARCHY
304702009-02-007-DR-CI-000020	P01	OVERALL GENERAL ARRANGEMENT AND COMBINED SERVICES SHEET 1 OF 3
304702009-02-007-DR-CI-000021	P01	OVERALL GENERAL ARRANGEMENT AND COMBINED SERVICES SHEET 2 OF 3
304702009-02-007-DR-CI-000022	P01	OVERALL GENERAL ARRANGEMENT AND COMBINED SERVICES SHEET 3 OF 3
EARTHWORKS		
304702009-02-007-DR-CI-000100	P01	EROSION AND SEDIMENT CONTROL TYPICAL NOTES
304702009-02-007-DR-CI-000101	P01	EROSION AND SEDIMENT CONTROL LAYOUT PLAN SHEET 1 OF 3
304702009-02-007-DR-CI-000102	P01	EROSION AND SEDIMENT CONTROL LAYOUT PLAN SHEET 2 OF 3
304702009-02-007-DR-CI-000103	P01	EROSION AND SEDIMENT CONTROL LAYOUT PLAN SHEET 3 OF 3
304702009-02-007-DR-CI-000104	P01	EROSION AND SEDIMENT CONTROL TYPICAL DETAILS
ROADWORKS		
304702009-02-007-DR-CI-000110	P01	EARTHWORKS CUTFILL PLAN SHEET 1 OF 3
304702009-02-007-DR-CI-000111	P01	EARTHWORKS CUTFILL PLAN SHEET 2 OF 3
304702009-02-007-DR-CI-000112	P01	EARTHWORKS CUTFILL PLAN SHEET 3 OF 3
304702009-02-007-DR-CI-000200	P01	TYPICAL ROAD CROSS SECTIONS
304702009-02-007-DR-CI-000201	P01	ROAD CONTROL SETOUT TABLES
304702009-02-007-DR-CI-000202	P01	PAVEMENT PLAN
304702009-02-007-DR-CI-000210	P01	CONTROL LINE MC01 LONGITUDINAL SECTION
304702009-02-007-DR-CI-000211	P01	CONTROL LINE MC02 LONGITUDINAL SECTION
304702009-02-007-DR-CI-000212	P01	CONTROL LINE MC03 LONGITUDINAL SECTION
304702009-02-007-DR-CI-000213	P01	CONTROL LINE MC04 LONGITUDINAL SECTION
304702009-02-007-DR-CI-000214	P01	CONTROL LINE MC05 LONGITUDINAL SECTION
304702009-02-007-DR-CI-000220	P01	MC01 ANNOTATED CROSS SECTIONS SHEET 1 OF 3
304702009-02-007-DR-CI-000221	P01	MC01 ANNOTATED CROSS SECTIONS SHEET 2 OF 3
304702009-02-007-DR-CI-000222	P01	MC01 ANNOTATED CROSS SECTIONS SHEET 3 OF 3
304702009-02-007-DR-CI-000223	P01	MC02 ANNOTATED CROSS SECTIONS SHEET 1 OF 7
304702009-02-007-DR-CI-000224	P01	MC02 ANNOTATED CROSS SECTIONS SHEET 2 OF 7
304702009-02-007-DR-CI-000225	P01	MC02 ANNOTATED CROSS SECTIONS SHEET 3 OF 7
304702009-02-007-DR-CI-000226	P01	MC02 ANNOTATED CROSS SECTIONS SHEET 4 OF 7
304702009-02-007-DR-CI-000227	P01	MC02 ANNOTATED CROSS SECTIONS SHEET 5 OF 7
304702009-02-007-DR-CI-000228	P01	MC02 ANNOTATED CROSS SECTIONS SHEET 6 OF 7
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304702009-02-007-DR-CI-000240	P01	INTERSECTION AND SETOUT DETAILS SHEET 1 OF 4
304702009-02-007-DR-CI-000241	P01	INTERSECTION AND SETOUT DETAILS SHEET 2 OF 4
304702009-02-007-DR-CI-000242	P01	INTERSECTION AND SETOUT DETAILS SHEET 3 OF 4
304702009-02-007-DR-CI-000243	P01	INTERSECTION AND SETOUT DETAILS SHEET 4 OF 4
304702009-02-007-DR-CI-000250	P01	LINEMARKING AND SIGNAGE LAYOUT PLAN SHEET 1 OF 3
304702009-02-007-DR-CI-000251	P01	LINEMARKING AND SIGNAGE LAYOUT PLAN SHEET 2 OF 3
304702009-02-007-DR-CI-000252	P01	LINEMARKING AND SIGNAGE LAYOUT PLAN SHEET 3 OF 3
WATER		
304702009-02-007-DR-CI-000300	P01	WATER RETICULATION LAYOUT PLAN SHEET 1 OF 3
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STORMWATER		
304702009-02-007-DR-CI-000400	P01	STORMWATER DRAINAGE LAYOUT PLAN SHEET 1 OF 3
304702009-02-007-DR-CI-000401	P01	STORMWATER DRAINAGE LAYOUT PLAN SHEET 2 OF 3
304702009-02-007-DR-CI-000402	P01	STORMWATER DRAINAGE LAYOUT PLAN SHEET 3 OF 3
304702009-02-007-DR-CI-000403	P01	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 1 OF 4
304702009-02-007-DR-CI-000404	P01	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 2 OF 4
304702009-02-007-DR-CI-000405	P01	STORMWATER DRAINAGE LONGITUDINAL SECTIONS SHEET 3 OF 4
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304702009-02-007-DR-CI-000407	P01	STORMWATER DRAINAGE CATCHMENT PLAN
304702009-02-007-DR-CI-000408	P01	STORMWATER DRAINAGE CALCULATION TABLES

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
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Issue Status
A4
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			GC	GC	GJ	BM	2026.08.07

Title SCHEDULE OF DRAWINGS

Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000002

Revision
P01

1. GENERAL NOTES:

1.1. GENERAL

1.1.1. ALL WORKS SHALL BE CARRIED OUT IN ACCORDANCE WITH THE APPROVED CONDITIONS OF CONSENT.

1.1.2. ALL DRAWINGS LISTED IN THE DRAWING SCHEDULE ARE TO BE READ AS A WHOLE AND NOT IN ISOLATION.

1.1.3. ALL DRAWINGS TO BE READ IN CONJUNCTION WITH PROJECT SPECIFICATION AND ALL RELEVANT STANDARD DRAWINGS.

1.1.4. PRIOR TO COMMENCEMENT OF WORK, FENCE OFF AND CLEARLY DELINEATE ALL AREAS WHERE WORK CANNOT BE CARRIED OUT.

1.1.5. SHOULD SITE WORKS EXPOSE ANY ARCHAEOLOGICAL OR CULTURAL MATERIAL, ALL WORKS SHALL CEASE AND OFFICIALS OF THE NATIONAL PARKS AND WILDLIFE, ABORIGINAL LAND COUNCIL AND LOCAL AUTHORITY BE NOTIFIED.

1.1.6. ALL WORKS ARE TO COMPLY WITH THE REQUIREMENTS OF THE ENVIRONMENTAL PROTECTION ACT, 1994.

1.1.7. DISPOSAL/MOVEMENT OF MATERIALS IN AREAS OF YELLOW CRAZY ANTS ARE TO COMPLY WITH THE WET TROPICS MANAGEMENT AUTHORITIES (WTMA) REGULATIONS. REFER THE DEPARTMENTS WEBSITE: **www.wettropics.gov.au/yellow-crazy-ants** FOR THE CURRENT INFORMATION.

1.1.8. THE CONTRACTOR SHALL ADHERE TO ALL REQUIREMENTS OF THE DEPARTMENT OF ENVIRONMENT AND SCIENCE.

1.1.9. WHERE IN THIS SET OF DRAWINGS REFERENCE IS MADE TO THE ENGINEER, CONSULTING ENGINEER AND OR COUNCIL ENGINEER IT SHALL MEAN THE SUPERINTENDENT UNDER THE CONTRACT FOR THE WORKS.

1.1.10. THE CONTRACTOR IS TO VERIFY LOCATION AND LEVELS OF ALL SERVICES AND TO LIAISE WITH THE LOCAL AND SERVICE AUTHORITIES PRIOR TO COMMENCING CONSTRUCTION.

1.1.11. THE CONTRACTOR IS TO INFORM THE LOCAL AUTHORITY AND THE ENGINEER PRIOR TO COMMENCEMENT OF WORK.

1.1.12. PRIOR TO COMMENCEMENT OF WORK, A SIGN DETAILING THE PROJECT AND CONTAINING THE NAMES AND CONTACT DETAILS OF THE DEVELOPER, CONTRACTOR AND PRINCIPAL CONSULTANT SHALL BE ERECTED AND MAINTAINED IN A PROMINENT POSITION AT THE SITE TO THE SATISFACTION OF THE LOCAL AUTHORITY. THE SIGN SHALL REMAIN IN PLACE UNTIL COMPLETION OF THE CONTRACT.

1.1.13. INFORMATION ON THESE DRAWINGS SHALL TAKE PRECEDENCE IF THERE IS ANY DISCREPANCY AND OR CONFLICT BETWEEN THESE DRAWINGS AND STANDARD DRAWINGS. ADVISE DESIGN SERVICES IMMEDIATELY OF ANY AND ALL DISCREPANCIES.

1.1.14. LEVELS SHOWN AT ALL INTERFACES ARE TO BE CONFIRMED PRIOR TO COMMENCEMENT OF CONSTRUCTION.

1.1.15. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT FNQROC, IPWEAQ, WSAA, NATSPEC/AUS-SPEC, THE BUILDING CODE OF AUSTRALIA AND WITH THE POLICIES, BY-LAWS, CODES AND SPECIFICATIONS OF THE RELEVANT LOCAL AUTHORITIES.

1.1.16. WHERE PROVIDED, THE ACCOMPANYING BILLS OF QUANTITIES SHALL ONLY SERVE AS A SUPPLEMENT FOR PRICING PURPOSES. THE CONTRACTOR SHALL ALLOW FOR ALL WORKS REQUIRED TO COMPLY WITH THE DRAWINGS. THIS INCLUDES ANY TEMPORARY, INTERMEDIATE OR PROTECTIVE WORKS REQUIRED TO FACILITATE FINAL CONSTRUCTION.

1.1.17. ELECTRONIC SETOUT DATA SUPPLIED TO ASSIST WITH CONSTRUCTION SHALL BE UTILISED IN CONJUNCTION WITH THE ENGINEERING PLANS. ANY INCONSISTENCIES BETWEEN THE ELECTRONIC DATA AND ENGINEERING DRAWINGS SHALL BE REFERRED TO THE SUPERINTENDENT IMMEDIATELY FOR RESOLUTION.

1.1.18. ALL BUILDING SITE MANAGERS MUST TAKE ALL ACTION NECESSARY TO ENSURE BUILDING MATERIALS AND / OR MACHINERY ON CONSTRUCTION SITES ARE SECURED IMMEDIATELY FOLLOWING THE FIRST CYCLONE WATCH AND THAT RELEVANT EMERGENCY TELEPHONE CONTACTS ARE PROVIDED TO COUNCIL OFFICERS, PRIOR TO COMMENCEMENT OF WORKS.

1.1.19. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PUBLIC NOTIFICATION OF THE WORKS IN ACCORDANCE WITH FNQROC REQUIREMENTS AND LIAISE WITH ADJOINING PROPERTY OWNERS ADJACENT TO THE PROPOSED WORKS.

1.2. SURVEY

1.2.1. SURVEY PREPARED BY 'VISION SURVEYS'
MERIDIAN: MGA55 VIDE CORS
LEVELS: AHD (D)
DATUM: GDA2020

1.3. GEOTECHNICAL

1.3.1. GEOTECHNICAL REPORT PREPARED BY 'PACIFIC GEOTECH' DATED 06/25

2. EXISTING FEATURES

2.1. UNLESS OTHERWISE SPECIFIED ALL EXISTING SERVICES AND STRUCTURES ARE TO BE MAINTAINED IN GOOD ORDER FOR THE DURATION OF THE CONTRACT AND WHERE RELOCATION IS REQUIRED REFER SPECIFICATION.

2.2. ALL WORK JOINING TO EXISTING CONSTRUCTION TO BE DONE NEATLY & TO THE SATISFACTION OF THE SUPERINTENDENT;

2.3. ALL BENCHMARKS TO BE LEVEL CHECKED BY CONTRACTOR PRIOR TO COMMENCEMENT OF CONSTRUCTION.

2.4. THE LOCATION OF EXISTING SERVICES AS SHOWN ON THE PLAN IS INDICATIVE ONLY AND THE CONTRACTOR MUST ASCERTAIN THE POSITION OF ALL SERVICES (I.E. WATER, ELECTRICITY, TELECOM, GAS ETC.), BEFORE COMMENCING CONSTRUCTION.

2.5. LEVELS AND GRADIENTS AT JUNCTIONS WITH EXISTING WORKS MAY BE VARIED AS REQUIRED TO ACHIEVE SATISFACTORY CONNECTIONS AND THE COSTS DEEMED INCLUDED IN THE RELEVANT SCHEDULE ITEMS;

2.6. IF THE LOCATION, LINE AND / OR LEVEL OF ANY EXISTING SERVICE IS NOT AS DESCRIBED ON THE DRAWINGS THE SUPERINTENDENT IS TO BE NOTIFIED IMMEDIATELY AND PRIOR TO PROCEEDING WITH FURTHER WORK;

2.7. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE REPAIR OR REPLACE EXISTING SERVICES DAMAGED DURING THE WORKS TO THE SATISFACTION OF THE SUPERINTENDENT.

2.8. EXISTING DRIVEWAYS AFFECTED BY WORKS SHALL BE RECONSTRUCTED IN THE SAME MATERIAL AS EXISTING OR AS DIRECTED BY THE LOCAL AUTHORITY.

2.9. CLEARING AND GRUBBING AS DIRECTED, INCLUDING REMOVAL AND DISPOSAL OF CLEARED VEGETATION BY METHODS APPROVED WITHIN THE DEVELOPMENT APPROVAL.

2.10. SERVICES SHOWN ON THESE PLANS ARE ONLY THOSE EVIDENT AT THE TIME OF SURVEY, FROM AS CONSTRUCTED SURVEY AND FROM 'BEFORE YOU DIG AUSTRALIA' SEARCHES. THERE MAY BE ADDITIONAL SERVICES WHICH ARE NOT SHOWN ON THESE DRAWINGS.

3. SAFETY IN DESIGN NOTES:

3.1. POTENTIAL SAFETY HAZARDS CONSIDERED BY THE DESIGNERS TO HAVE A HIGHER RISK THAN NORMAL CONSTRUCTION ACTIVITY ARE THAT IDENTIFIED WITH APPROPRIATE NOTES ON THESE DRAWINGS. IT SHOULD BE NOTED THAT DESIGNERS HAVE A LOWER LEVEL OF UNDERSTANDING OF THE RISKS INVOLVED IN CONSTRUCTION COMPARED TO THAT OF A COMPETENT CONTRACTOR. IT IS THEREFORE ESSENTIAL THAT AN ADEQUATE SAFETY PLAN IS PREPARED BY THE CONTRACTOR FOR THE WORKS. THE DESIGNERS MAY NOT BE AWARE OF ALL SAFETY RISKS AND HAZARDS INVOLVED IN THIS PROJECT AND THE ABSENCE OF COMMENT DOES NOT IMPLY THAT THERE ARE NO RISKS OR HAZARDS INVOLVED IN THIS PROJECT.

3.2. THE CONTRACTOR SHALL COMPLETE AND WILL SOLELY BE RESPONSIBLE FOR THE IMPLEMENTATION OF ANY NECESSARY SAFETY PLANS TO COMPLETE THE WORKS.

3.3. THE CONTRACTOR MUST COMPLY WITH ANY GUIDELINE ACTS OR CODE OF PRACTICE AND OTHER RELEVANT DOCUMENTS REGARDING SAFE WORK PRACTICES.

3.4. THE CONTRACTOR WILL HAVE A NOMINATED WH&S OFFICER FOR THE DURATION OF THE CONTRACT. THE WH&S OFFICER WILL BE RESPONSIBLE FOR ALL THE WH&S ISSUES ON THE SITE.

3.5. ALL PERSONS ENTERING THE SITE SHALL COMPLETE A SAFETY INDUCTION WITH THE NOMINATED WH&S OFFICER. THIS IS TO INCLUDE REFERENCE TO SAFETY IN DESIGN ISSUES RELEVANT TO THE PROJECT.

3.6. ALL CONSTRUCTION UNDERTAKEN BY THE CONTRACTOR IS TO COMPLY WITH THE REQUIREMENTS OF THE CURRENT EDITION OF THE WORKPLACE HEALTH AND SAFETY ACT.

4. GENERAL SERVICES:

4.1. ELECTRICAL AND COMMUNICATIONS CONDUIT LOCATIONS ARE SHOWN FOR INFORMATION ONLY. FOR EXACT LOCATIONS REFER TO ELECTRICAL CONSULTANTS LAYOUT PLANS. FOR WATER CONDUIT LOCATIONS REFER WATER RETICULATION DRAWINGS.

4.2. ALL CONDUITS ARE TO HAVE BRASS CONDUIT MARKERS INSTALLED IN THE KERB AND CHANNEL FOR THE APPROPRIATE SERVICE.

4.3. SERVICE AUTHORITY INFRASTRUCTURE ADJUSTMENTS ARE TO BE PERFORMED BY AUTHORIZED CONTRACTORS APPROVED BY THE RELEVANT SERVICE AUTHORITY.

5. EARTHWORKS

5.1. GENERAL

5.1.1. BULK EARTHWORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE T.C.C STANDARDS AND THE REQUIREMENTS OF AS3798.

5.1.2. ALL EARTHWORKS, CLEARING ETC. SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT BY 'PACIFIC GEOTECH' - PG-12108 REV1 DATED 23 JUNE 2025.

5.1.3. NOT WITHSTANDING THE LIMITS OF EARTHWORKS SHOWN ON THE DRAWINGS, THE ACTUAL LIMITS SHALL BE DETERMINED ON SITE BY THE SUPERINTENDENT DURING CONSTRUCTION.

5.1.4. FINISHED SURFACE LEVELS FOR ALLOTMENTS MAY BE ADJUSTED BY A WRITTEN DIRECTION OF THE SUPERINTENDENT DURING CONSTRUCTION WITH PRIOR APPROVAL FROM THE LOCAL AUTHORITY;

5.1.5. ALL EARTHWORKS QUANTITIES ARE NETT VOLUMES. CONTRACTOR TO MAKE ALLOWANCE FOR BULKING AND COMPACTION'

5.1.6. ADDITIONAL DETAILED TRIMMING WILL BE REQUIRED TO ACHIEVE FINISHED SURFACE LEVELS AND TO ACCOMMODATE LANDSCAPING WORKS.

5.1.7. GEOTECHNICAL SUPERVISION OF EARTHWORKS IS TO BE CARRIED OUT IN ACCORDANCE WITH THE EARTHWORKS SPECIFICATION BY A N.A.T.A. REGISTERED GEOTECHNICAL TESTING AUTHORITY AT THE CONTRACTORS COST.

5.1.8. THE CONTRACTOR SHALL PROVIDE DETAILS OF ALL TESTING TO THE ENGINEER PROGRESSIVELY THROUGH THE WORKS AND NOTIFY THE ENGINEER OF ANY NON-CONFORMANCES.

5.1.9. ALL NON CONFORMING WORK IS TO BE RECTIFIED AS DIRECTED BY THE ENGINEER.

5.1.10. CONTRACTOR SHALL (IF IN DOUBT) DURING EARTHWORK OPERATION DIRECT CONCERN TO THE SUPERINTENDENT WHO SHALL SEEK ADVICE FROM GEOTECHNICAL CONSULTANT.

5.1.11. EARTHWORKS SHALL BE CARRIED OUT TO THE FINISHED SURFACE LEVELS SHOWN. CUT AND FILL BATTERS ARE NOT TO EXCEED 1 IN 4 SLOPE UNLESS INDICATED OTHERWISE. TRANSFORMER SITE CROSSFALL MAXIMUM OF 300mm. WHERE REQUIRED, BATTERS OF 1 IN 4 TO BE USED TO TIE BACK TO FSL.

5.1.12. THE CONTRACTOR SHALL INFORM THE LOCAL AUTHORITY, AND ALL RELEVANT SERVICE PROVIDERS AND THE SUPERINTENDENT OF THE START DATE PRIOR TO COMMENCEMENT OF WORKS;

5.1.13. ALL EARTHWORKS TESTING TO BE SUPERVISED TO LEVEL 1. FREQUENCY OF FIELD DENSITY TESTING TO BE TYPE 1 IN ACCORDANCE WITH TABLE 8.1 OF AS 3798.

5.2 FILLING AND COMPACTION

5.2.1. FILLING IS TO BE CARRIED OUT IN STRICT ACCORDANCE WITH THE SPECIFICATIONS AND AS3798, APPENDIX B, LEVEL 1.

5.2.2. ALL FILL UNDER ROADS SHALL BE COMPACTED TO 100% STANDARD COMPACTION;

5.2.3. FILLING ON ROAD EMBANKMENT TO BE COMPACTED TO 95% STANDARD DRY DENSITY AS1289 5.1.1 AND TRIMMED TO BE FREE DRAINING. ALL ROAD EMBANKMENT FILL SHALL BE SUPERVISED BY A QUALIFIED GEOTECHNICAL ENGINEER TO LEVEL 1 REQUIREMENTS IN ACCORDANCE WITH THE AS.3798-2007.

5.2.4. PLACE FILL IN LAYERS OF LOOSE AGGREGATES OR GRANULAR MATERIAL THICKNESS APPROPRIATE TO THE TYPE OF COMPACTION EQUIPMENT BEING USED AND NOT GREATER THAN 200mm. COMPACT EACH FILLING LAYER TO THE MINIMUM DRY DENSITY SPECIFIED. THE MOISTURE CONTENT OF FILL MATERIAL SHOULD BE MAINTAINED WITHIN THE RANGE OF -1% TO +2% OF THE OPTIMUM MOISTURE CONTENT.

5.2.5. FILLING MATERIAL AS REQUIRED TO COMPLETE THE WORKS SHALL BE SOURCED FROM MATERIAL EXCAVATED FROM SITE. ALL FILLING MATERIAL MUST BE APPROVED BY THE GEOTECHNICAL ENGINEER PRIOR TO ITS INCORPORATION INTO THE WORKS.

5.2.6. FILL SHALL BE PLACED AND COMPACTED TO THE FOLLOWING STANDARDS:

(I) COHESIVE MATERIALS:- ALLOTMENT FILL SHALL ACHIEVE A MINIMUM DRY DENSITY RATIO (M.D.D.R.) OF 95% STANDARD. COMMERCIAL ALLOTMENT FILL SHALL ACHIEVE A 98% STANDARD. DENSITY RATIO (M.D.D.R.)

ROAD EMBANKMENTS SHALL ACHIEVE THE FOLLOWING MINIMUM STANDARDS.

(A) GREATER THAN OR EQUAL TO 0.3m BELOW PAVEMENT SUBGRADE: 95% STD. M.D.D.R.

(B) LESS THAN 0.3m BELOW PAVEMENT SUBGRADE: 100% STD. M.D.D.R.

(II) NON COHESIVE MATERIALS:- FILL SHALL ACHIEVE A MINIMUM DENSITY INDEX RATIO OF 75%.

5.3 STRIPPING, STOCKPILE AND TOPSOIL

5.3.1. PRIOR TO THE COMMENCEMENT OF FILLING THE SITE IS TO BE STRIPPED OF TOPSOIL - DEPTH TO BE NOTED & CONFIRMED BY CONTRACTOR. PLACEMENT OF FILL ON PREPARED AREAS SHALL NOT COMMENCE UNTIL AUTHORISED BY A LEVEL 1 GEOTECHNICAL ENGINEER.

5.3.2. EARTHWORKS SPOIL IS TO BE STOCKPILED AS DIRECTED BY THE SUPERINTENDENT;

5.3.3. TOPSOIL IS TO BE RE-SPREAD FROM STOCKPILE AT MIN. 150mm IN ACCORDANCE WITH AS3798;

5.3.4. SILT FENCING IS TO BE PLACED ON THE DOWNSTREAM SIDE OF ALL STOCKPILE SITES AND ADEQUATE CUTOFF DRAINS ARE TO BE PLACED ON THE UPSTREAM SIDE OF ALL STOCKPILE SITES;

5.3.5. NO STOCKPILING PERMITTED ON SITE WITHOUT FLOOD MODELLING CERTIFICATION

5.4. PROTECTION DURING WORKS

5.4.1. ALL EXPOSED SURFACES APART FROM SWALE DRAINS ARE TO BE GRASS SEEDED AS A SEDIMENT AND EROSION CONTROL MEASURE.

5.5.2. ALL OPEN DRAINS ARE TO BE TURFED AS SOON AS PRACTICAL, AFTER THE OPEN DRAIN IS COMPLETED.

5.5.3. IT IS THE CONTRACTORS RESPONSIBILITY TO PROTECT THE SITE AND SURROUNDING AREAS FROM DAMAGE RESULTING FROM STORMWATER RUNOFF. TEMPORARY DIVERSION DRAINS AND OR OTHER DRAINAGE CONTROL DEVICES ARE TO BE IMPLEMENTED BY THE CONTRACTOR DURING CONSTRUCTION TO MINIMISE THE EFFECTS OF WEATHER. NO EXTENSIONS OF TIME WILL BE GRANTED SHOULD DAMAGE TO THE WORKS AND SURROUNDING AREAS RESULT FROM THE CONTRACTOR'S NEGLIGENCE IN NOT PROVIDING ADEQUATE PROTECTION.

5.5.4. ALL AREAS ARE TO BE FREE DRAINING.

5.5.5. BATTER SLOPES TO BE 1 IN 4 MAX UNLESS SPECIFIED OTHERWISE;

5.4.6 SETOUT OF EARTHWORKS IS TO THE CORNER OF LOTS, DRIVEWAY AND BATTERS AS SHOWN;

5.5.7. ALL ALLOTMENTS DISTURBED DURING EARTHWORKS ARE TO BE HYDROMULCHED

5.6. WEED MANAGEMENT

5.6.1. A WEED MANAGEMENT PLAN FOR INVASIVE PEST SPECIES MUST BE SUBMITTED TO AND ENDORSED BY THE CHIEF EXECUTIVE OFFICER PRIOR TO THE PRE-START MEETING.

5.6.2. VEHICLE WASHDOWN AND INSPECTION FACILITIES FOR ALL MACHINERY ENTERING AND LEAVING THE SITE MUST BE PROVIDED TO REDUCE THE SPREAD OF INVASIVE WEED SPECIES.

5.7. BATTERS

5.7.1. ALL BATTER SLOPES AND STABILITY TO BE CONFIRMED BY GEOTECHNICAL CONSULTANTS DURING CONSTRUCTION.

5.7.2. BATTERS STEEPER THAN 1 IN 4 (25%) ARE TO BE HYDROMULCHED;

5.7.3. BATTERS LESS THAN 1 IN 4 (25%) TO BE MULCHED AND LANDSCAPED;

5.7.4. TABLE DRAINS STEEPER THAN 1 IN 4 (25%) ARE TO BE ROCK LINED;

5.7.5. TABLE DRAINS LESS THAN 1 IN 4 (25%) TO BE TURF LINED OR AS SPECIFIED BY SUPERINTENDENT.

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Title GENERAL NOTES
AND DETAILS
SHEET 1 OF 3

Project No. 304702009
Scale at A1 AS SHOWN
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Revision P01

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ORIGINAL SHEET - ISO A1

6. ROADWORKS

6.1. GENERAL:

6.1.1. FOR DETAILS OF CONCRETE FOOTPATHS, REFER LOCAL AUTHORITY STANDARD DRAWING.

6.1.2. WARNING AND DIRECTIONAL TACTILE GROUND SURFACE INDICATORS (TGSIs) SHALL CONFORM WITH AS/NZS 1428.4.1 AND IPWEAQ STD. DWGS. RS-090 TO RS-094.

6.2 KERB \ KERB AND CHANNEL NOTES AND SET-OUT

6.2.1. ALL KERB RADII SHOWN ARE TO LIP LINE.

6.2.2. ALL LEVELS SHOWN REFER TO:-
LIP OF KERB AND CHANNEL
EDGE OF BITUMEN

6.2.3. SIDE DRAINS TO BE PROVIDED UNDER ALL KERB AND CHANNEL AND KERB ONLY.

6.2.4. WHERE DIFFERENT KERB TYPES MEET, TRANSITION TO BE TAKEN OUT OVER 1.0m (MIN).

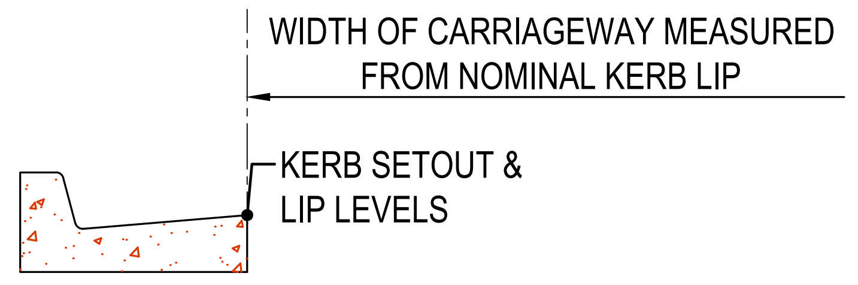
6.2.5. FOR RESIDENTIAL AND COMMERCIAL DRIVEWAY CROSSOVERS, REFER TO T.C.C STANDARD DRAWINGS

6.2.6. FOR DETAILS OF KERBS AND CHANNELS REFER TO T.C.C STANDARD DRAWING SD-020.

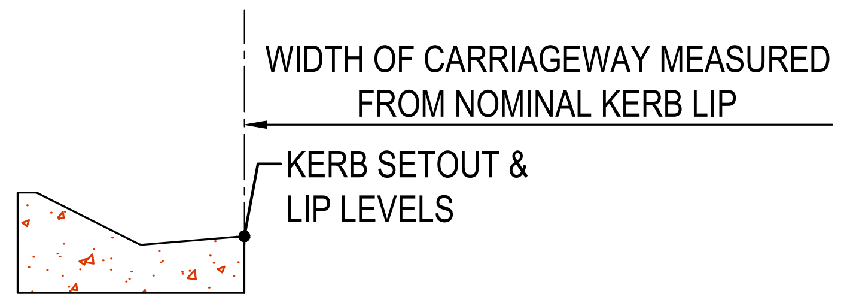
6.2.7. WHERE NEW KERB AND CHANNEL AND/OR AC MEET EXISTING SURFACES THE CONTRACTOR SHALL VERIFY THE LEVELS WITH THE SUPERINTENDENT.

6.2.8. SUBSOIL DRAINAGE SHALL BE CONTINUOUS WITH ADJOINING KERB AND CHANNEL WHERE CONCRETE INVERT IS CONSTRUCTED. REFER T.C.C STANDARD DRAWING SD-080.

6.2.9. FOR KERB / KERB AND CHANNEL SETOUT REFER BELOW



KERB AND CHANNEL
(BARRIER TYPE)



KERB AND CHANNEL
(MOUNTABLE TYPE)

7. PAVEMENT

7.1. THE CONTRACTOR SHALL INITIALLY EXCAVATE THE PAVEMENT BOX TO THE FOLLOWING DEPTHS:

- IN CUT AREAS - T.C.C MINIMUM BOX PAVEMENT BOX DEPTH
- IN FILL AREAS - PROPOSED PAVEMENT DESIGN BOX DEPTH

7.2 FOLLOWING THE COMPLETION OF EXCAVATION THE CONTRACTOR SHALL NOTIFY THE SUPERINTENDENT WHO SHALL CONFIRM THE PAVEMENT THICKNESS TO BE CONSTRUCTED FOLLOWING JOINT INSPECTION AND APPROVAL FROM LOCAL AUTHORITY INSPECTOR.

7.3. REFER PAVEMENT DRAWING FOR TYPES. FINAL MAKE UP TO BE DETERMINED BY THE SUPERINTENDENT

8. LINEMARKING

8.1. ALL ROAD SIGNS AND LINEMARKING TO BE IN ACCORDANCE WITH AS4049.1 AND AS1742 "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".

8.2. ALL LINEMARKING TO BE WHITE UNLESS NOTED OTHERWISE;

8.3. ALL SIGNS ARE TO BE SIZE "A" UNLESS NOTED OTHERWISE;

8.4. DIMENSIONS TO LINEMARKING ARE MEASURED FROM THE NOMINAL KERB AND CHANNEL LIP OR FROM NOMINAL KERB FACE OF ISLANDS AND MEDIANS;

8.5. INSTALL OR REINSTATE VALVE AND HYDRANT IDENTIFICATION MARKERS IN ACCORDANCE WITH THE FNQROC REQUIREMENTS.

8.6. ENSURE THAT SIGNAGE HAS CLEAR SIGHT DISTANCE, OTHERWISE ADJUST LOCATION ACCORDINGLY.

8.7. SUPERSEDED LINEMARKING AND SIGNAGE TO BE REMOVED;

8.8. BICYCLE LANES SHALL BE IN ACCORDANCE WITH T.C.C REQUIREMENTS.

8.9. RAISED REFLECTORISED PAVEMENT MARKERS ARE TO BE PROVIDED TO ALL BARRIER AND MEDIAN LINEMARKING IN ACCORDANCE WITH AUS. STD. 1742 'MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES'.

8.10. PAVEMENT ARROWS ARE TO BE AT 25m SPACING, UNLESS NOTED OTHERWISE.

8.11. DELINEATORS SHALL BE FIXED AT 6.0m MAXIMUM CENTRES ATOP OF GUARDRAIL.

8.12. FOR STREET NAME SIGNS REFER TO T.C.C STANDARD DRAWING SD-065.

9. TRAFFIC MANAGEMENT

9.1. ANY WORKS UNDERTAKEN IN THE VICINITY OF PUBLIC ROADS MUST BE APPROPRIATELY SIGNED, LIT AND BARRICADED TO ENSURE THE SAFETY OF THE PEDESTRIAN AND VEHICULAR TRAFFIC IN THEIR VICINITY.

9.2. WORKS WILL BE SO ORDERED TO ENSURE THAT PUBLIC ACCESS ALONG THE ROADS IS MAINTAINED AT ALL TIMES TO THE SATISFACTION OF COUNCIL REQUIREMENTS.

9.3. WHERE REQUIRED, BEFORE COMMENCEMENT OF THE WORKS THE CONTRACTOR SHALL OBTAIN THE REGULATORY AUTHORITIES APPROVAL AND OPERATING REQUIREMENT FOR THE TRUCK ROUTES TO BE USED BY ALL VEHICLES ASSOCIATED WITH THE CIVIL WORKS. APPROPRIATE CLEANSING DEVICES SHALL BE INSTALLED ON SITE TO ENSURE THERE IS NO ADVERSE IMPACT FROM VEHICLES ALONG THESE ROUTES.

9.4. CONTRACTOR TO CONDUCT A RISK MANAGEMENT ASSESSMENT OF ALL SAFETY RISKS LIKELY TO ARISE DURING THE COURSE OF UNDERTAKING WORKS ON THE ROAD INCLUDING THE SETTING UP, OPERATING, CHANGING AND DISMANTLING OF A TRAFFIC GUIDANCE SCHEME. THIS ASSESSMENT IS TO TAKE INTO ACCOUNT THE GENERAL BEHAVIOUR OF ROAD USERS, CYCLISTS AND PEDESTRIANS. WHERE WORKS WILL IMPACT THE NORMAL OPERATIONS OF THE LOCAL GOVERNMENT MANAGED AREAS AND ROADS, THE APPLICANT MUST IMPLEMENT A TRAFFIC GUIDANCE SCHEME AND A COPY OF THE PLANS MUST BE SUBMITTED TO COUNCIL FOR APPROVAL PRIOR TO IMPLEMENTATION.

10. STORMWATER NOTES

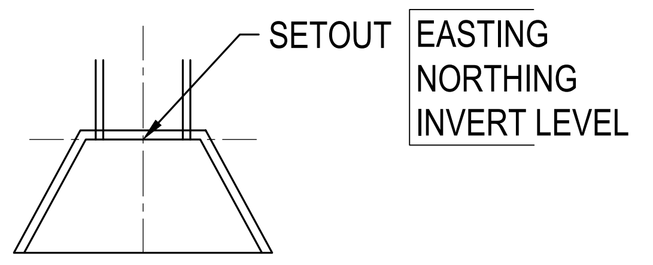
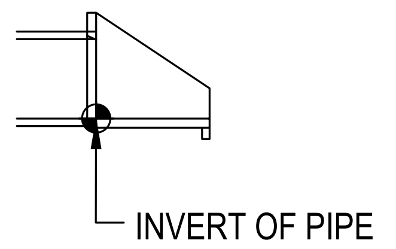
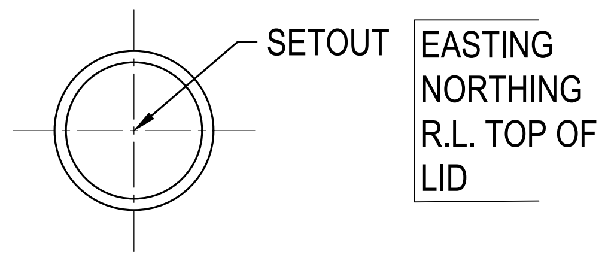
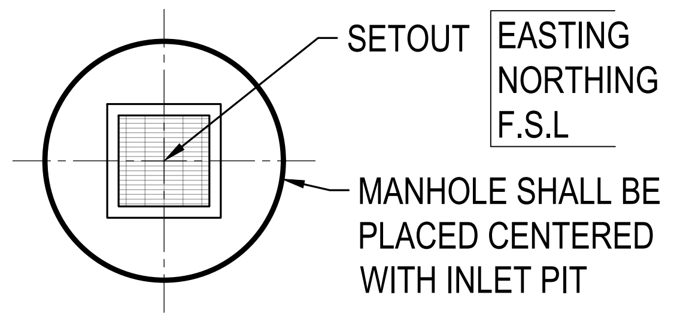
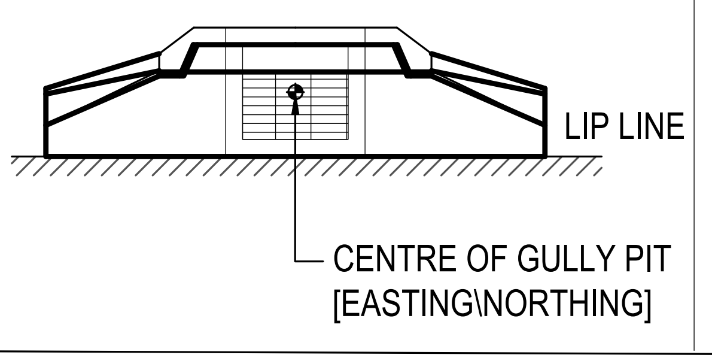
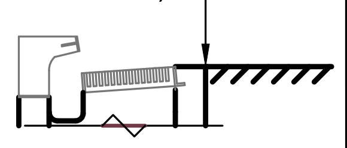
10.1. GENERAL

10.1.1. STORMWATER STRUCTURES AND CONNECTIONS ARE TO BE LOCATED AS INDICATED ON THE PLAN. ADJUSTMENTS TO THE DESIGN LAYOUT WHERE REQUIRED TO SUIT ACTUAL AS-CONSTRUCTED GEOMETRY SHALL REQUIRE THE ENGINEERS APPROVAL.

10.2. STRUCTURES

10.2.1. FOR STORMWATER PIT SETOUT LOCATIONS REFER BELOW.

STRUCTURE SETOUT POINTS

STRUCTURE	HORIZONTAL SETOUT ('SO')	VERTICAL SETOUT ('LP')
HEADWALL	 SETOUT: EASTING NORTHING INVERT LEVEL	 INVERT OF PIPE
MAINTENANCE CHAMBER	 SETOUT: EASTING NORTHING R.L. TOP OF LID	FINISHED SURFACE LEVEL CHAMBER/PIT COVER
FIELD INLET	 SETOUT: EASTING NORTHING F.S.L MANHOLE SHALL BE PLACED CENTERED WITH INLET PIT	TOP OF GRATE OR COVER
GULLY PITS	 LIP LINE CENTRE OF GULLY PIT [EASTING\NORTHING]	VERTICAL SETOUT REFERENCE SHOWN ON LONG SECTION (TYPICAL LIP OF KERB) 

10.2.2. ALL DRAINAGE STRUCTURES ARE TO HAVE HALF HEIGHT BENCHING AS PER QUDM TABLE 7.16.4.

10.2.3. ALL GULLIES ARE TO BE LIP IN LINE GRATED GULLY UNLESS SHOWN OTHERWISE.

10.2.4. ALL DRAINAGE STRUCTURES WITHIN ROAD RESERVE AND FRONT OF LOTS TO HAVE CLASS D (TRAFFICABLE) COVERS / GRATES & FRAMES UNLESS NOTED OTHERWISE.

10.2.5. FINAL PIT LOCATION AND ORIENTATION TO BE CONFIRMED ON SITE BY THE SUPERINTENDENT;

10.3. PIPES

10.3.1. TOLERANCES FOR THE CONSTRUCTION OF THE INVERT LEVELS FOR THE STORMWATER DRAINAGE SHALL BE +0mm AND -0mm. OTHER CONSTRUCTION TOLERANCES SHALL BE IN ACCORDANCE WITH FNQROC UNLESS NOTED OTHERWISE.

10.3.2. ALL REINFORCED CONCRETE PIPES TO COMPLY WITH A.S. 4058-2007.

10.3.3. ALL FIBRE REINFORCED CONCRETE PIPES TO COMPLY WITH A.S. 4139-2003.

10.3.4. ALL REINFORCED CONCRETE BOX CULVERTS AND LINK SLABS TO COMPLY WITH A.S. 1597.1-2010 AND A.S. 1597.2.2

10.3.5. ALL REINFORCED CONCRETE PIPES ARE TO BE RCP CLASS 3 UNLESS NOTED OTHERWISE.

10.3.6. PIPES SHALL BE BEDDED IN ACCORDANCE WITH AS3725-H2/HS2.

10.3.7. ALL REINFORCED CONCRETE PIPES TO BE RUBBER RING JOINTED (RRJ)

10.3.8. uPVC PIPES SHALL BE CLASS SN6 UNLESS NOTED OTHERWISE.

10.3.9. RCP AND FRC PIPES SHALL BE CLASS 3 UNLESS NOTED OTHERWISE.

10.3.10. WHERE ROOFWATER DRAINS AND SEWER MAINS ARE TO BE CONSTRUCTED PARALLEL TO EACH OTHER, THE ROOFWATER DRAINAGE CONNECTION SHALL EXTEND 1.00m BEYOND THE SEWER MAIN.

10.3.11. MINIMUM COVER TO ROOFWATER PIPES TO BE 450mm EXCEPT WHERE LESS COVER IS NECESSARY TO DISCHARGE TO STREET KERB AND CHANNEL.

10.3.12. ROOFWATER DRAINAGE SYSTEMS SHALL DISCHARGE INTO A GULLY OR STORMWATER MANHOLE WHEREVER POSSIBLE.

10.4. TRENCHES

10.4.1. TRENCH EXCAVATIONS FOR DRAINAGE SHALL COMPLY WITH WORKPLACE HEALTH AND SAFETY REQUIREMENTS.

10.4.2. ALL TRENCHES SHALL BE BACKFILLED IN LAYERS OF LOOSE THICKNESS APPROPRIATE TO THE TYPE OF COMPACTION EQUIPMENT BEING USED AND NOT GREATER THAN 250mm.

10.5. SCOUR PROTECTION

10.5.1. ROCK PROTECTION TO EXTEND UP THE BANKS TO EITHER THE HEIGHT OF THE PIPE'S OBVERT OR TO THE DESIGN TAILWATER LEVEL (WHICHEVER IS THE HIGHEST);

10.5.2. ROCK PROTECTION TO BE PROVIDED AROUND THE HEADWALL, WINGWALLS AND APRON AND WHERE APPLICABLE ABOVE THE HEADWALL WHERE THE HEADWALL IS LOCATED WITHIN AN OVERLAND FLOW PATH;

10.5.3. GEOTEXTILE TO BE CONSTRUCTED OUT OF WATER PERMEABLE MATERIAL USUALLY SYNTHETIC MATERIAL SUCH AS POLYPROPYLENE. TO BE USED AS PART OF EROSION AND SEDIMENT CONTROL METHOD IN CONSTRUCTION AND STORMWATER MANAGEMENT SITUATIONS TO TRAP OR PREVENT CLOGGING OF AGGREGATES BY SOIL/CLAY/SILT PARTICLES;

10.5.4. GEOTEXTILE MUST BE OF SUFFICIENT STRENGTH/DURABILITY TO WITHSTAND BREAKAGE FROM WATER FLOW, SEDIMENT BUILDUP, AND EXPOSURE TO SUNLIGHT;

10.5.5. CONSULT WITH MANUFACTURER OF GEOTEXTILE TO VERIFY THAT IT CAN PERFORM THE FUNCTION THAT IS REQUIRED OF IT;

10.5.6. IF SLOPE OF CHANNEL / TABLE DRAIN IS BETWEEN 1:1 AND 1:10 , EXCAVATE OUT TO A DEPTH OF 300mm WHERE THE ROCK CHECK DAMS ARE GOING TO BE EMBEDDED;

10.5.7. LAY DOWN GEOTEXTILE OVER THE WHOLE AREA THE ROCK CHECK DAMS IS TO BE CONSTRUCTED UPON;

11. OPEN DRAINS

11.1. SWALE DRAINS ARE TO BE GRADED EVENLY BETWEEN INVERT LEVELS PROVIDED

11.2. UNLESS NOTED OTHERWISE, DRAINS TO BE TURFED.

12. COMPACTION

12.1. THE CONTRACTOR IS RESPONSIBLE FOR COMPACTION TECHNIQUES OVER ALL STORMWATER PIPES TO BE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS;

12.2. FOR COMPACTION FILL DEPTHS OVER PIPES REFER TO TABLE B1 AS/NZS 3275:2007

12.3. MATERIAL OVER PIPE COMPACTED TO 95% AT MAXIMUM DRY DENSITY FOR STANDARD COMPACTION.

12.4. MINIMUM FILL OVER PIPE INCLUDES MATERIAL BEING COMPACTED, AS MEASURED AFTER COMPACTION.

12.5. THE BEDDING SUPPORT TYPE CHOSEN HAS LITTLE OR NO EFFECT ON THE CLASS OF THE PIPE FOR LOW FILLS AND HIGH TRAFFIC LOADS

13. CONCRETE NOTES

13.1. ALL CONCRETE WORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH AS 3600 AND AS 3700.

13.2. THE FOLLOWING NOTES RELATE TO CONCRETE WORKS ASSOCIATED WITH ROAD AND CIVIL STRUCTURES ONLY CONTAINED WITHIN THE CIVIL DESIGN DRAWINGS. CONCRETE WORKS ASSOCIATED WITH KERBS, FOOTPATHS, STRUCTURES, SEWER AND STORMWATER STRUCTURES SHALL BE AS SPECIFIED ELSEWHERE IN THE PROJECT DOCUMENTATION.

13.3. CONCRETE WORKS SHALL GENERALLY BE CARRIED OUT IN ACCORDANCE WITH THE AUSTRALIAN STANDARD AS3600 "CONCRETE STRUCTURES CODE" AND DEPT TRANSPORT AND MAIN ROADS AND PROJECT SPECIFICATIONS.

13.4. ALL MATERIALS, STORAGE, BATCHING, FORMWORK, ETC. TO CONFORM TO THE REQUIREMENTS OF THE RELEVANT AUSTRALIAN STANDARDS.

13.5. ALL CONCRETE IS TO BE SUPPLIED BY A LICENSED READY MIXED CONCRETE MANUFACTURER. NO ON-SITE BATCHING IS ACCEPTABLE.

13.6. ALL CONCRETE TO BE NORMAL CLASS IN ACCORDANCE WITH AS3600 UNLESS SPECIFIED OTHERWISE IN THE PROJECT DRAWINGS OR LOCAL AUTHORITY STANDARDS AND IS SPECIFIED BY 28 DAY CHARACTERISTIC COMPRESSIVE STRENGTH.

13.7. ALL CONCRETE, UNLESS NOTED OTHERWISE IN PROJECT OR LOCAL AUTHORITY DOCUMENTATION, SHALL HAVE:

- SHRINKAGE STRAIN NOT EXCEEDING 600µSTRAINS,
- WHERE SLUMP, MAXIMUM AGGREGATE SIZE, OR COMPRESSIVE STRENGTH IS NOT SPECIFIED, THE CONTRACTOR IS TO SEEK GUIDANCE FROM THE SUPERINTENDENT.

13.8 ALL REINFORCEMENT TO BE SUPPLIED BY A REGISTERED MANUFACTURER WITH A CERTIFIED QUALITY ASSURANCE PROGRAM IN PLACE. ALL REINFORCEMENT IS TO BE SUPPLIED TO SITE FREE FROM OIL, GREASE OR ANY OTHER COATING WHICH MAY IMPAIR BOND TO CONCRETE.

13.9 ALL REINFORCEMENT TO BE 500MPA MINIMUM YIELD UNLESS NOTED OTHERWISE.

13.10 CONCRETE OTHER THAN THAT CAST AGAINST THE GROUND, SHALL BE PLACED AGAINST FORMS. IT IS THE CONTRACTORS RESPONSIBILITY FOR ALL TEMPORARY FORMWORK, FALSEWORK, PROPPING, BRACING IS TO BE DESIGNED AND CERTIFIED BY A REGISTERED PROFESSIONAL ENGINEER PRIOR TO ERECTION AS REQUIRED.

13.11 ALL REINFORCEMENT SHALL BE PLACED ON PLASTIC OR PLASTIC TIPPED CHAIRS TO ENSURE SPECIFIED COVERS ARE ACHIEVED.

13.12 THE CONCRETE SHALL BE PLACED:

- IN FORMS BY HORIZONTAL CHUTING NO MORE THAN 2m, PUMPING OR KIBBLING.
- WITHOUT INDUCING FLOW HORIZONTALLY BY VIBRATION
- WITH JOINTING AS SPECIFIED IN THE DESIGN DRAWINGS OR OTHERWISE APPROVED BY THE SUPERINTENDENT
- CONTINUOUSLY BETWEEN CONSTRUCTION JOINTS TO AVOID COLD JOINTS.
- COMPACTED UPON PLACEMENT USING VIBRATORS
- PROTECTED AS NECESSARY WITH ADDITIONAL PROTECTION MEASURES THAT MAY INCLUDE WIND BREAKS, SHADING, ETC.
- WITH A FINISH AS PER THE LOCAL AUTHORITY STANDARDS UNLESS DIRECTED OTHERWISE BY THE SUPERINTENDENT.

13.13 ALL CONCRETE TESTING IS TO BE CARRIED OUT BY A NATA REGISTERED LABORATORY IN STRICT ACCORDANCE WITH THE PROJECT AND DEPT TRANSPORT & MAIN ROADS SPECIFICATIONS (MRTS03).

13.14 THE CONTRACTOR SHALL ENSURE AN APPROPRIATE CURING METHOD, APPROVED BY THE SUPERINTENDENT, IS APPLIED WHICH SHALL GENERALLY CONSIST OF AN APPROVED CURING COMPOUND AND/OR ENCASEMENT IN A WATERPROOF FILM.

13.15 SUPERINTENDENT TO BE NOTIFIED 48HRS PRIOR TO INSPECTION POINTS AS AGREED AT COMMENCEMENT OF WORKS INCLUDING PLACEMENT.

13.16 A SAWN JOINT (SJ) SHALL BE PLACED EVERY 3m, EVERY 12m SHALL BE A DOWELLED EXPANSION JOINT (DEJ) OR AS OTHERWISE DIRECTED BY THE SUPERINTENDENT.

13.17 CONCRETE ADMIXTURES & RETARDERS ARE NOT TO BE USED WITHOUT PRIOR CONSENT FROM THE ENGINEER.

13.18 CONCRETE PATHWAYS SHALL HAVE THE FIRST LONGITUDINAL AND HORIZONTAL BAR MEET THE MINIMUM COVER REQUIREMENTS STIPULATED WITHIN FNQROC AND AS3600. WHERE THE REINFORCING MESH HAS BEEN CUT, THE CONTRACTOR WILL ENSURE THAT THE REINFORCEMENT IS REPLACED AND THE NOMINATED COVER AND TIED INTO THE REINFORCEMENT MESH WITH SUFFICIENT LAP LENGTH TO MEET THE AUSTRALIAN STANDARDS.

Rev	Description	By	Appd	YYYY.MM.DD
P01	ISSUED FOR TENDER	GC	GJ	2026.08.07

Issued/Revision

Issue Status
A4
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Coordinate System
MGA/20-Zone 55
Datum
mAHD

Colour Disclaimer
This drawing has been documented in colour. This drawing is required to be printed in colour. Failure to do so may result in loss of information. Black and white printing may be used if specific black and white documents have been obtained from Stantec.

Stantec

Client/Project Logo
DELIVERING FOR QUEENSLAND
Queensland Government

Client/Project
ECONOMIC DEVELOPMENT QUEENSLAND
OONOONBA PDA
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
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Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title
GENERAL NOTES
AND DETAILS
SHEET 2 OF 3

Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000011

Revision
P01

14. WATER

14.1. GENERAL

14.1.1. WORKS MUST BE EXECUTED IN ACCORDANCE THE C.T.M REGIONAL DEVELOPMENT MANUAL DESIGN, CONSTRUCTION STANDARDS AND SPECIFICATIONS.

14.1.2. ALL WATER AND SEWER CONSTRUCTION WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE QUEENSLAND WORK HEALTH AND SAFETY ACT 2011. CONTACT THE DIVISION OF WORKPLACE HEALTH AND SAFETY FOR INFORMATION. PHONE 1300 362 128

14.1.3. UNLESS SPECIFIED OTHERWISE ALL MATERIALS AND WORK SHALL COMPLY WITH THE RELEVANT AUSTRALIAN STANDARDS.

14.1.4. SERVICES WHERE SHOWN ARE APPROXIMATE ONLY. EXACT LOCATION AND DEPTH TO SERVICES ARE TO BE CONFIRMED WITH RELEVANT AUTHORITIES AND ON SITE BY THE CONTRACTOR PRIOR TO COMMENCING WORKS.

14.1.5. HANDLING OF ASBESTOS CEMENT PIPES SHALL BE CARRIED OUT IN ACCORDANCE WITH WORK HEALTH AND SAFETY (WH&S) ACT 2011, THE WH&S QUEENSLAND CODE OF PRACTICE AS A MINIMUM.

14.1.6. CONTRACTOR TO TAKE APPROPRIATE ACTION TO PROTECT AND MAINTAIN EXISTING SERVICES.

14.1.7. REMOVE AND REINSTATE OBJECTS ALONG LINE OF CONSTRUCTION SUCH AS SIGNS, FENCES, ETC.

14.1.8. BENCH MARK AND LEVELS TO AHD.

14.2. SAFETY

14.2.1. THE DESIGN AND CONSTRUCTION OF THE WORKS SHALL COMPLY WITH ALL QUEENSLAND LEGISLATION.

14.3. PIPELINES

14.3.1. ROAD CROSSINGS SHALL BE MINIMUM 100mm DIAMETER.

14.3.2. ALL ROAD CROSSINGS SHALL BE CONSTRUCTED IN DUCTILE IRON CEMENT LINED PIPE.

14.3.3. COVER ON MAINS FROM PERMANENT LEVEL TO BE AS PER C.T.M SPECIFICATIONS.

14.4. CONCRETE SURROUNDS

14.4.1. IF EXISTING OR PROPOSED HYDRANTS OR VALVES ARE TO BE FOUND WITHIN AN AREA OF CONCRETE THE SURROUND MUST BE SET IS THE CONCRETE WITH COMPRESSIBLE LAYER BETWEEN IT AND THE NEW CONCRETE TO ALLOW REMOVAL FOR MAINTENANCE.

14.5. ALL COVER BOXES AND SURROUNDS MUST BE REPLACED AT THE NEW LEVELS IN ACCORDANCE WITH C.T.M SPECIFICATIONS.

14.6. THRUST & ANCHOR BLOCKS

14.6.1. THE BEARING FACE OF THE THRUST RESTRAINT MUST BE CAST AGAINST UNDISTURBED GROUND.

14.6.2. CONCRETE MUST NOT SPILL OVER SOCKET JOINTS.

14.6.3. THE CONTRACTOR SHALL CONFIRM BEARING CAPACITY PRIOR TO CONSTRUCTION OF THRUST SHOULD ACTUAL GROUND CONDITIONS DIFFER TO THOSE OF THE DESIGN, RE-DESIGN OF THRUST/ANCHOR BLOCKS MAY BE REQUIRED.

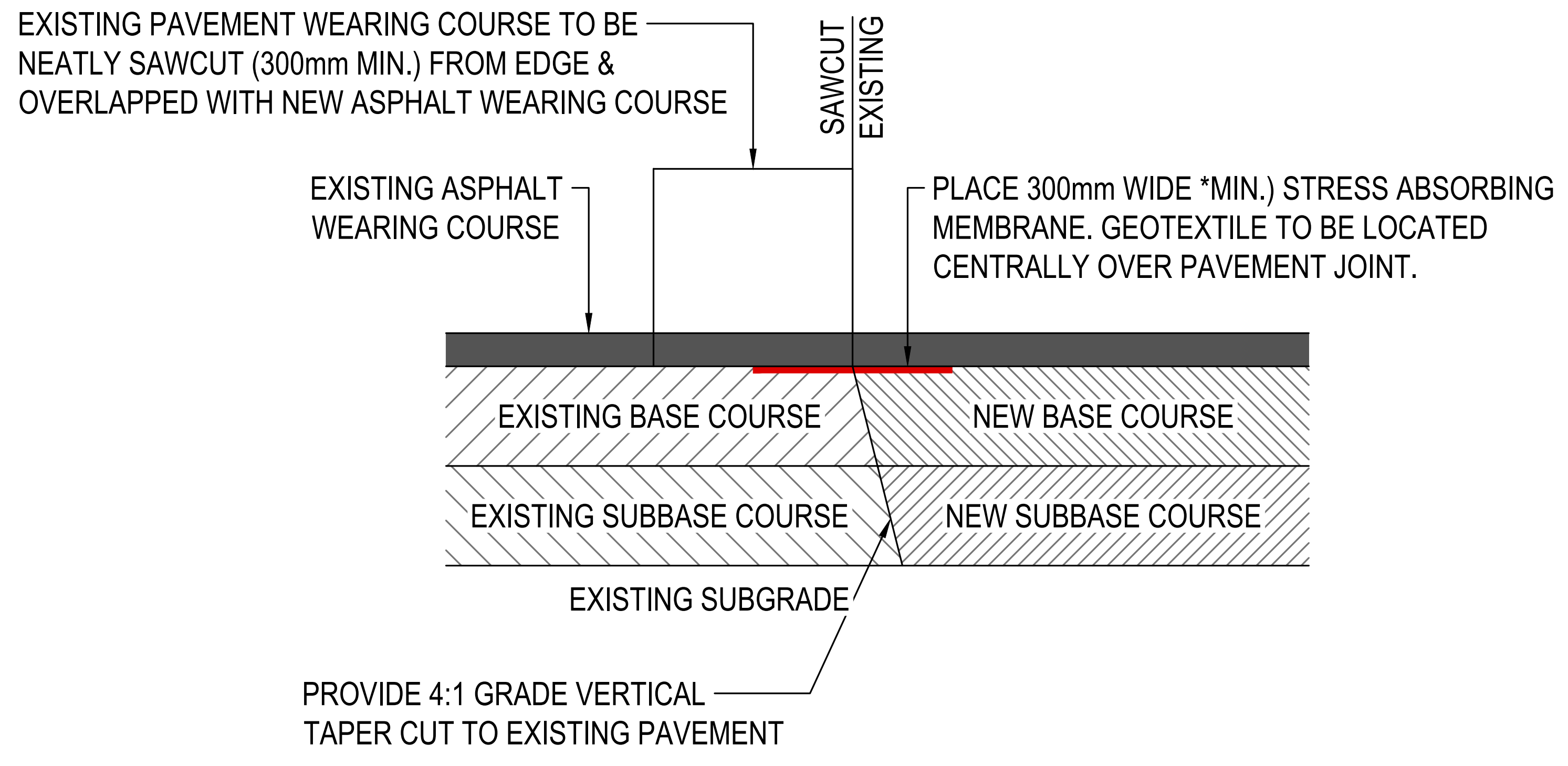
14.6.4. FOR TYPICAL DETAILS REFER C.T.M STANDARD DRAWINGS.

14.7. PRIVATE PROPERTY ACCESS

14.7.1. THE PROJECT PROPONENT MUST UNDERTAKE AND RESOLVE ALL MATTERS REGARDING ENTRY INTO PRIVATE PROPERTY INCLUDING CONSTRUCTION ACCESS, AT THE PROJECT PROPONENT'S OWN COST. NO WORK SHALL COMMENCE WITHIN ANY PRIVATE PROPERTY UNTIL THE PROJECT PROPONENT HAS VERIFIED THAT ALL REQUIRED APPROVALS ARE IN PLACE AND THAT ALL OWNERS/RESIDENTS HAVE BEEN PROVIDED WITH THE NECESSARY NOTICES OF ENTRY.

14.8. TRENCH NOTES:

14.8.1. REFER CTM SPECIFICATIONS FOR BEDDING AND TRENCHING DETAILS.


EXISTING PAVEMENT WEARING COURSE TO BE NEATLY SAWCUT (300mm MIN.) FROM EDGE & OVERLAPPED WITH NEW ASPHALT WEARING COURSE
SAWCUT
EXISTING
EXISTING ASPHALT WEARING COURSE
PLACE 300mm WIDE *MIN.) STRESS ABSORBING MEMBRANE. GEOTEXTILE TO BE LOCATED CENTRALLY OVER PAVEMENT JOINT.
EXISTING BASE COURSE
NEW BASE COURSE
EXISTING SUBBASE COURSE
NEW SUBBASE COURSE
EXISTING SUBGRADE
PROVIDE 4:1 GRADE VERTICAL TAPER CUT TO EXISTING PAVEMENT

PAVEMENT JOINT DETAIL

N.T.S

ABBREVIATIONS TABLE

DESCRIPTION	ABBREVIATION
PROPOSED	PR
EXISTING	EX
ELECTRICITY	ELEC
STORMWATER	SWD
WATER	WAT
SEWER	SEW
TELSTRA	TEL
NON DRINKING WATER	NDW
COMMUNICATION	COMMS
STANDARD	STD.
DRAWING	DWG.
TOWNSVILLE CITY COUNCIL	T.C.C
PROPERTY	RP
BOUNDARY	BDY
DEPARTMENT OF TRANSPORT AND MAIN ROADS	D.T.M.R.
URBAN UTILITIES	U.U.
EXISTING SURFACE LEVEL	E.S.L
FINISHED SURFACE LEVEL	F.S.L
REDUCED LEVEL	R.L
FINISHED LEVEL	F.L
GARAGE FLOOR LEVEL	G.L
FINISHED PAVEMENT LEVEL	P.L
LIP LEVEL OF KERB	L.L
BOTTOM OF WALL	B.O.W
TOP OF WALL	T.O.W
CAIRNS, TOWNSVILLE, MACKAY WATER ALLIANCE AND CONSTRUCTION CODE	C.T.M

BEFORE YOU DIG
www.byda.com.au
Zero Damage - Zero Harm

SERVICE LOCATIONS

IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTACT THE RELEVANT SERVICE AUTHORITIES TO ASCERTAIN THE EXACT LOCATION OF SERVICES PRIOR TO CONSTRUCTION. ALSO TO OBTAIN THE REQUIRED APPROVALS AND PERMITS.

ENERGY SERVICE PROVIDERS

AGL origin ERGON. ENERGY energex

NOTE: SERVICE LOCATIONS ARE APPROXIMATE ONLY FROM PROVIDERS PLANS. LOCATIONS ARE TO BE CONFIRMED PRIOR TO START OF CONSTRUCTION. PHONE BYDA SERVICE LOCATIONS ON **1100** FOR DETAILS.

TELECOMMUNICATIONS SERVICE PROVIDERS

'yes' OPTUS Telstra visionstream

NOTE: SERVICE LOCATIONS ARE APPROXIMATE ONLY FROM PROVIDERS PLANS. LOCATIONS ARE TO BE CONFIRMED PRIOR TO START OF CONSTRUCTION. PHONE BYDA SERVICE LOCATIONS ON **1100** FOR DETAILS.

WARNING

BEWARE OF UNDERGROUND SERVICES.
THE LOCATION OF UNDERGROUND SERVICES HAVE BEEN INTERPOLATED FROM GIS DATA OR KNOWN POSITIONS OF VALVES, MANHOLES ETC OR INFORMATION SUPPLIED BY SERVICE AUTHORITIES. NO RESPONSIBILITY IS TAKEN FOR THE ACCURACY OF THE INTERPOLATED INFORMATION SUPPLIED. ENSURE ALL SERVICES ARE ACCURATELY LOCATED PRIOR TO COMMENCEMENT OF WORK

PLEASE CONTACT THE SCRC'S ARBORIST PRIOR TO ANY CONSTRUCTION FOR ADVICE ON TREE ROOT PROTECTION IN THE VICINITY OF THE WORKS TO BE CARRIED OUT.

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
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Coordinate System
MGA/20-Zone 55
Datum
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Queensland Government

Client/Project
ECONOMIC DEVELOPMENT QUEENSLAND
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STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:38:17+10'00'

			GC	GC	GJ	BM	2026.08.07
Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
GENERAL NOTES
AND DETAILS
SHEET 3 OF 3

Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000012

Revision
P01

U:\304702009\technical\drawings\working\Separable Portion 2\304702009-STN-02-007-DR-CI-000010-000012.dwg
Plotted: Campbell, Grant Date: 07-Aug-26 1:52:01 PM

ORIGINAL SHEET - ISO A1

LEGEND:

┄	EXTENT OF WORKS BOUNDARY
▨	PROPOSED DEVELOPMENT AREA
🟨	TCC ROAD TYPE - ACCESS STREET
🟥	TCC ROAD TYPE - MINOR COLLECTOR
🟧	PROPOSED PATHWAY

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.
2. FOR ROAD TYPICAL SECTIONS, REFER TO DRAWING 304702009-02-007-DR-CI-000200

SHEET 1 (1:200)
304702009-02-007-DR-CI-000020 (GENERAL ARRANGEMENT)
304702009-02-007-DR-CI-000101 (EROSION CONTROL)
304702009-02-007-DR-CI-000110 (EARTHWORKS)
304702009-02-007-DR-CI-000250 (SIGNS AND LINEMARKING)
304702009-02-007-DR-CI-000300 (WATER)
304702009-02-007-DR-CI-000400 (STORMWATER)

SHEET 2 (1:200)
304702009-02-007-DR-CI-000021 (GENERAL ARRANGEMENT)
304702009-02-007-DR-CI-000102 (EROSION CONTROL)
304702009-02-007-DR-CI-000111 (EARTHWORKS)
304702009-02-007-DR-CI-000251 (SIGNS AND LINEMARKING)
304702009-02-007-DR-CI-000301 (WATER)
304702009-02-007-DR-CI-000401 (STORMWATER)

SHEET 2 (1:200)
304702009-02-007-DR-CI-000022 (GENERAL ARRANGEMENT)
304702009-02-007-DR-CI-000103 (EROSION CONTROL)
304702009-02-007-DR-CI-000112 (EARTHWORKS)
304702009-02-007-DR-CI-000252 (SIGNS AND LINEMARKING)
304702009-02-007-DR-CI-000302 (WATER)
304702009-02-007-DR-CI-000402 (STORMWATER)

LAYOUT PLAN
SCALE 1:500

1:500 10 5 0 10 20 A1
1:1000 A3

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ORIGINAL SHEET - ISO A1

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Title KEY PLAN AND ROAD HIERARCHY

Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000013

Revision
P01

1
2
3
4
5
C
B
A
CUTBACK EXISTING PAVEMENT. REFER DETAIL ON DRAWING 304702009-02-007-DR-CI-000012.
CONTROL LINE MC01
POWER AND COMMUNICATIONS CONDUITS BY OTHERS
BATTER TO EXISTING AT 1 ON 6
326.747
330
340
350
360
370
380
390
400
410
420
430
440
JOIN LINE
EAST WEST CONNECTING ROAD
KERB TYPE B1
KERB TYPE L1
71°0'16"
L142.779
JOINS BELOW LEFT
96
97
98
99
100
101
102
103
104
BATTER TO EXISTING AT 1 ON 6
BATTER TO EXISTING AT 1 ON 6
CONNECTION TO WETLAND BY OTHERS
BATTER TO WETLAND AT MAX 1 ON 4
FUTURE PEDESTRIAN RAIL OVERPASS (BY OTHERS)
CONTROL LINE MC02
POWER AND COMMUNICATIONS CONDUITS BY OTHERS
440
450
460
469.526
323.240
320
310
300
290
280
270
260
250
240
230
220
210
200
3.5
4.0
4.5
2.5
3.0
JOINS ABOVE RIGHT
EAST WEST CONNECTING ROAD
183.251
180
341°1'15"
L168.178
0.000
R-12.5
19.635
LAWRIE AVENUE
251°0'14"
L131.035
KERB TYPE B1
KERB TYPE L1
DARTER STREET
170
19.635
160
157.239
0.000
CONTROL LINE MC03
CAP
CAP
104
71
72
73
74
75
76
BATTER TO EXISTING AT 1 ON 6
JOINS 304702009-02-007-DR-CI-000021
W200
W250
W100
H
V

LEGEND:

— D —	STORMWATER LINE - EXISTING
— S —	SEWER MAIN - EXISTING
— W —	WATERMAIN - EXISTING
— dE —	U/G ELECTRICAL LINE - EXISTING (BYDA)
— dS —	SEWER LINE - EXISTING (BYDA)
— dTU —	TELECOMMUNICATIONS LINE - EXISTING (BYDA)
— dWM —	WATER LINE - EXISTING (BYDA)
— C —	PROPOSED TELECOMMUNICATIONS LINE
— E —	PROPOSED U/G ELECTRICAL LINE
	EXTENT OF WORKS BOUNDARY
	PROPOSED STORMWATER
○ ▭ □	PROPOSED STORMWATER PITS
— W63 —	PROPOSED WATERMAIN (63OD)
— W100 —	PROPOSED WATERMAIN (Ø100)
— W150 —	PROPOSED WATERMAIN (Ø150)
— W200 —	PROPOSED WATERMAIN (Ø200)
— W250 —	PROPOSED WATERMAIN (Ø250)
— 3.00 —	DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
	DESIGN CONTOUR - MINOR (0.1m INTERVAL)
KERB TYPE L1	LAYBACK KERB & CHANNEL
KERB TYPE B1	BARRIER KERB & CHANNEL
▨	PROPOSED TOP OF BATTER
	PROPOSED TOE OF BATTER
▨	ASPHALT PAVEMENT
☐	PROPOSED PATHWAY

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.

LAYOUT PLAN
SCALE 1:200

1:200 2 0 2 4 6 8 10 A1
1:400 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
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Title OVERALL GENERAL ARRANGEMENT
AND COMBINED SERVICES
SHEET 1 OF 3

Project No. 304702009
Scale at A1 AS SHOWN
Drawing No. 304702009-02-007-DR-CI-000020
Revision P01

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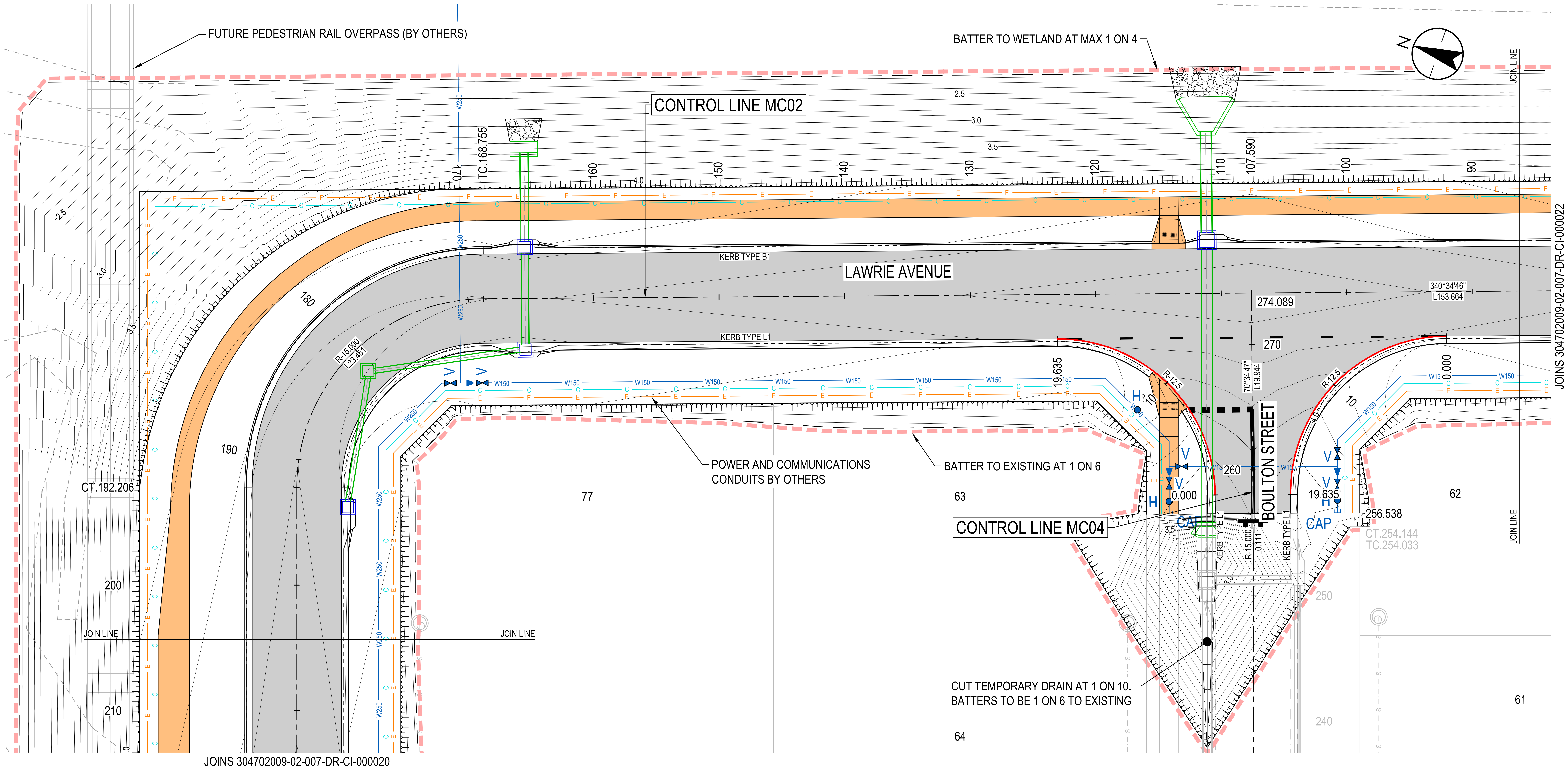
ORIGINAL SHEET - ISO A1


FUTURE PEDESTRIAN RAIL OVERPASS (BY OTHERS)
BATTER TO WETLAND AT MAX 1 ON 4
CONTROL LINE MC02
LAWRIE AVENUE
KERB TYPE B1
KERB TYPE L1
TC.168.755
CT.192.206
274.089
340°34'46"
L153.664
R-15.000
L23.451
19.635
R-12.5
70°34'47"
L19.944
BOULTON STREET
0.000
256.538
CT.254.144
TC.254.033
POWER AND COMMUNICATIONS CONDUITS BY OTHERS
BATTER TO EXISTING AT 1 ON 6
CONTROL LINE MC04
CAP
R-15.000
L0.111
KERB TYPE L1
CUT TEMPORARY DRAIN AT 1 ON 10. BATTERS TO BE 1 ON 6 TO EXISTING
JOIN LINE
JOINS 304702009-02-007-DR-CI-000020
JOINS 304702009-02-007-DR-CI-000022
77
63
62
61
64

LEGEND:

- STORMWATER LINE - EXISTING
- SEWER MAIN - EXISTING
- WATERMAIN - EXISTING
- U/G ELECTRICAL LINE - EXISTING (BYDA)
- SEWER LINE - EXISTING (BYDA)
- TELECOMMUNICATIONS LINE - EXISTING (BYDA)
- WATER LINE - EXISTING (BYDA)
- PROPOSED TELECOMMUNICATIONS LINE
- PROPOSED U/G ELECTRICAL LINE
- EXTENT OF WORKS BOUNDARY
- PROPOSED STORMWATER
- PROPOSED STORMWATER PITS
- PROPOSED WATERMAIN (63OD)
- PROPOSED WATERMAIN (Ø100)
- PROPOSED WATERMAIN (Ø150)
- PROPOSED WATERMAIN (Ø200)
- PROPOSED WATERMAIN (Ø250)
- DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
- DESIGN CONTOUR - MINOR (0.1m INTERVAL)
- KERB TYPE L1 — LAYBACK KERB & CHANNEL
- KERB TYPE B1 — BARRIER KERB & CHANNEL
- PROPOSED TOP OF BATTER
- PROPOSED TOE OF BATTER
- ASPHALT PAVEMENT
- PROPOSED PATHWAY

NOTE:

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LAYOUT PLAN

SCALE 1:200

U:\304702009\technical\drawings\working\Separable Portion 2\304702009-STN-02-007-DR-CI-000020-000022.dwg
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1:200 2 0 2 4 6 8 10 A1
1:400 A3

ORIGINAL SHEET - ISO A1

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
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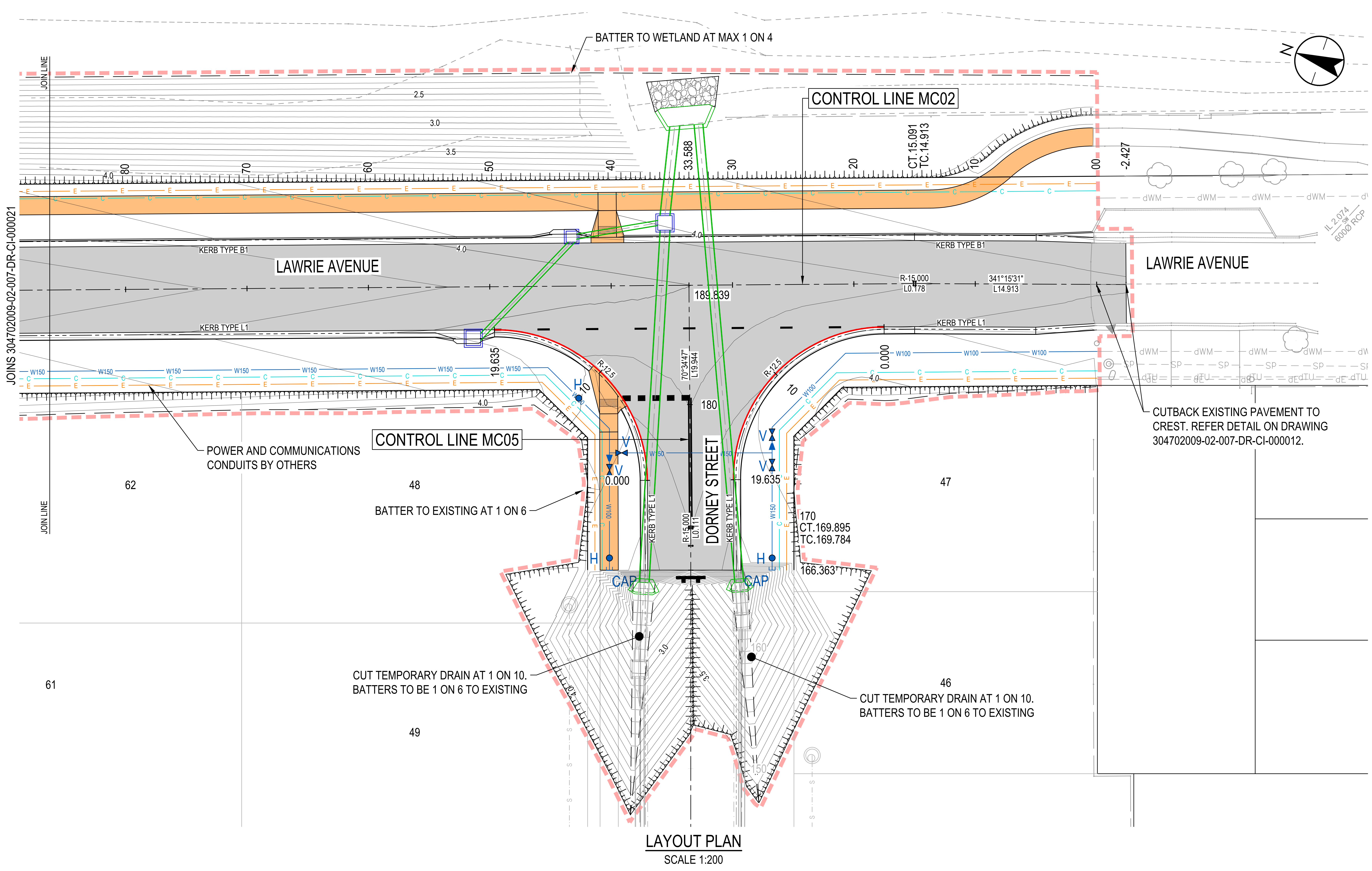
			GC	GC	GJ	BM	2026.08.07

Title
OVERALL GENERAL ARRANGEMENT
AND COMBINED SERVICES
SHEET 2 OF 3

Project No. 304702009
Scale at A1 AS SHOWN
Drawing No. 304702009-02-007-DR-CI-000021
Revision P01


BATTER TO WETLAND AT MAX 1 ON 4
CONTROL LINE MC02
CT.15.091
TC.14.913
-2.427
LAWRIE AVENUE
LAWRIE AVENUE
KERB TYPE B1
KERB TYPE L1
189.839
R-15.000
L0.178
341°15'31"
L14.913
JOINS 304702009-02-007-DR-CI-000021
JOIN LINE
IL 2.074
600Ø RCP
CUTBACK EXISTING PAVEMENT TO CREST. REFER DETAIL ON DRAWING 304702009-02-007-DR-CI-000012.
POWER AND COMMUNICATIONS CONDUITS BY OTHERS
CONTROL LINE MC05
BATTER TO EXISTING AT 1 ON 6
DORNEY STREET
R-12.5
19.635
0.000
70°34'47"
L19.944
180
170
CT.169.895
TC.169.784
166.363
CAP
CAP
62
48
47
61
49
46
CUT TEMPORARY DRAIN AT 1 ON 10. BATTERS TO BE 1 ON 6 TO EXISTING
CUT TEMPORARY DRAIN AT 1 ON 10. BATTERS TO BE 1 ON 6 TO EXISTING

LAYOUT PLAN

SCALE 1:200

LEGEND:

— D —	STORMWATER LINE - EXISTING
— S —	SEWER MAIN - EXISTING
— W —	WATERMAIN - EXISTING
— dE —	U/G ELECTRICAL LINE - EXISTING (BYDA)
— dS —	SEWER LINE - EXISTING (BYDA)
— dTU —	TELECOMMUNICATIONS LINE - EXISTING (BYDA)
— dWM —	WATER LINE - EXISTING (BYDA)
— C —	PROPOSED TELECOMMUNICATIONS LINE
— E —	PROPOSED U/G ELECTRICAL LINE
	EXTENT OF WORKS BOUNDARY
	PROPOSED STORMWATER
○ ▬ □	PROPOSED STORMWATER PITS
— W63 —	PROPOSED WATERMAIN (63OD)
— W100 —	PROPOSED WATERMAIN (Ø100)
— W150 —	PROPOSED WATERMAIN (Ø150)
— W200 —	PROPOSED WATERMAIN (Ø200)
— W250 —	PROPOSED WATERMAIN (Ø250)
— 3.00 —	DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
	DESIGN CONTOUR - MINOR (0.1m INTERVAL)
KERB TYPE L1	LAYBACK KERB & CHANNEL
KERB TYPE B1	BARRIER KERB & CHANNEL
	PROPOSED TOP OF BATTER
	PROPOSED TOE OF BATTER
▨	ASPHALT PAVEMENT
☐	PROPOSED PATHWAY

NOTE:

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1:200 2 0 2 4 6 8 10 A1
1:400 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
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Client/Project
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STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
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Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title OVERALL GENERAL ARRANGEMENT
AND COMBINED SERVICES
SHEET 3 OF 3

Project No. 304702009
Scale at A1 AS SHOWN
Drawing No. 304702009-02-007-DR-CI-000022
Revision P01

EROSION AND SEDIMENT CONTROL CONSTRUCTION SEQENCE

PHASE 1 - PRIOR TO EARTHWORKS:

1. PRIOR TO CONSTRUCTION, CONTRACTOR IS TO REVIEW THE CONCEPT EROSION AND SEDIMENTATION CONTROL PLAN AND UPDATE ACCORDINGLY TO SUIT THE SITE SPECIFIC CONSTRUCTION SEQUENCING.
2. INSTALL CONSTRUCTION ENTRY/EXIT AND SITE FENCING. IF REQUIRED SECURITY GATES TO BE INSTALLED.
3. INSTALL 'NO GO' FENCING TO RESTRICT ACCESS TO PROTECTED AREAS.
4. INSTALL SEDIMENT FENCING ALONG DOWNSLOPE EXTENT OF WORK AREAS.
5. WHERE PRACTICAL INSTALL CLEAN WATER DIVERSION DRAINS/BUNDS AROUND CONSTRUCTION AREAS AND APPROPRIATELY STABILISE. OUTLET OF DIVERSION DRAINS TO HAVE APPROPRIATE SCOUR PROTECTION INSTALLED.
6. TEMPORARY STOCKPILE AREAS TO BE MARKED OUT. TOPSOIL TO BE TRANSPORTED IN A DAMP CONDITION TO RETAIN SOIL STRUCTURE. TOPSOIL STOCKPILES TO BE LOW FLAT LONG MOUNDS.
7. STRIP AND STOCKPILE TOPSOIL FROM SEDIMENT BASIN AREAS.
8. CONSTRUCT SEDIMENT BASINS AND OTHER NOMINATED SEDIMENT CONTROL DEVICES AS NOTED. PROVIDE APPROPRIATE SAFETY FENCING IF BATTERS STEEPER THAN 1 IN 4 ARE USED.
9. CONSTRUCT PERIMETER BUNDS/CATCH DRAINS ALONG DOWNSLOPE EXTENT OF WORK AREAS TO DIRECT DIRTY WATER RUNOFF TOWARDS NOMINATED SEDIMENT CONTROL DEVICES. AS NOTED OR WHERE IDENTIFIED THROUGH MONITORING CHECK DAMS OR CHANNEL LININGS MAY BE NECESSARY TO ASSIST WITH THE MANAGEMENT OF FLOW VELOCITIES.
10. FINAL LOCATION OF EROSION, SEDIMENT AND DRAINAGE CONTROL DEVICES TO BE CONFIRMED ON SITE WITH CONTRACTOR'S ENVIRONMENTAL MANAGER AND THE SUPERINTENDENT.

PHASE 2 - DURING EARTHWORKS:

1. ENSURE THAT NOMINATED CONTROL MEASURES FROM PHASE 1, WHICH ARE TO REMAIN IN PLACE, ARE MAINTAINED AND FUNCTIONAL.
2. STRIP AND STOCKPILE TOPSOIL FROM EARTHWORKS AREAS.
3. EARTHWORKS TO BE CARRIED OUT PROGRESSIVELY AND COMPACTED IN STAGES TO PREVENT LARGE AREAS OF UNCONSOLIDATED MATERIALS BEING PRESENT ON SITE.
4. DIVERT ALL DIRTY WATER RUNOFF TOWARDS NOMINATED SEDIMENT CONTROL DEVICES. AS EARTHWORKS PROGRESSES REVIEW AND ADD/AMEND DIRTY WATER DRAINAGE CONTROL DEVICES AS REQUIRED. VELOCITY CONTROLS TO BE IMPLEMENTED AS REQUIRED.
5. REVIEW LOCATION AND MINIMUM SIZING OF SEDIMENT CONTROL DEVICES AS EARTHWORKS PROGRESSES, AND AMENDED AS NECESSARY.
6. SEDIMENT FENCING / DIVERSION BUNDS TO BE INSTALLED ALONG THE TOP OF BATTERS TO MANAGE UNCONTROLLED FLOWS DOWN THE EXPOSED STEEP AREAS. TEMPORARY BATTER CHUTES TO BE UTILISED TO CONTROL FLOWS DOWN BATTER SLOPES WHERE REQUIRED.
7. PROGRESSIVELY RESPREAD TOPSOIL FOLLOWING COMPLETION OF EARTHWORKS STAGES, LEAVING IN A ROUGHENED STATE. TOPSOIL TO BE TRANSPORTED IN A DAMP CONDITION TO RETAIN SOIL STRUCTURE. SEED/MULCH/HYDROMULCH/TURF AREAS IMMEDIATELY UPON COMPLETION. IRRIGATE AREAS AS REQUIRED.
8. AS ROADS ARE FORMED, SANDBAG CHECK DAMS TO BE PLACED TO ASSIST WITH MANAGING RUNOFF VELOCITIES.
9. FINAL LOCATION OF EROSION, SEDIMENT AND DRAINAGE CONTROL DEVICES TO BE CONFIRMED ON SITE WITH CONTRACTOR'S ENVIRONMENTAL MANAGER AND THE SUPERINTENDENT.
10. REGULARLY MONITOR AND MAINTAIN EROSION, SEDIMENT AND DRAINAGE CONTROLS TO ENSURE MEASURES REMAIN FUNCTIONAL. DAMAGED AND/OR INEFFECTIVE CONTROLS AND MATERIALS ARE TO BE REPAIRED, REFURBISHED OR REPLACED.
11. INSPECT ALL CONTROL DEVICES AND MEASURES PRIOR TO AND FOLLOWING RAINFALL EVENTS, AND REPAIR/REPLACE AS REQUIRED.

PHASE 3 - CIVIL CONSTRUCTION:

1. ENSURE THAT NOMINATED CONTROL MEASURES FROM PHASES 1 AND 2, WHICH ARE TO REMAIN IN PLACE, ARE MAINTAINED AND FUNCTIONAL.
2. LOT AREAS ALREADY COMPLETED AND STABILISED FROM BULK EARTHWORKS PHASE ARE TO BE FENCED OFF TO PREVENT VEHICLE ACCESS.
3. MAINTAIN SANDBAG CHECK DAMS/WEIRS AS REQUIRED TO LIMIT FLOW VELOCITIES ON ROADWAY AREAS UNDER CONSTRUCTION. SANDBAGS TO BE REINSTATED PRIOR TO RAINFALL EVENT AS REQUIRED.
4. INSTALL FIELD INLET PROTECTION SEDIMENT CONTROLS (SEDIMENT FENCING, SANDBAGS OR GRAVEL FILLED FILTER SOCKS) AND MONITOR.
5. INSTALL TURF STRIPS TO BACK OF KERB, 0.6m MIN. WIDE WITH 0.4m MIN. LATERAL TURF STRIPS PROVIDED AT 5.0m MAX. SPACING. SWALES TO BE STABILISED AS REQUIRED.
6. RESEED AND IRRIGATE ANY DISTURBED AREAS.
7. WHERE PRACTICAL INLET GRATES TO HAVE FILTER FABRIC PLACED OVER AND SECURED.
8. UNCOMPLETED EARTHWORKS AREAS TO BE TEMPORARILY STABILISED WITH APPROPRIATE SOIL BINDER/MULCH/HYDROMULCH OR EQUIVALENT WHERE WORKS HAVE CEASED FOR AN EXTENDED PERIOD OF TIME (SUBJECT TO EROSION RISKS).
9. REGULARLY MONITOR AND MAINTAIN EROSION, SEDIMENT AND DRAINAGE CONTROLS TO ENSURE MEASURES REMAIN FUNCTIONAL. DAMAGED AND/OR INEFFECTIVE CONTROLS AND MATERIALS ARE TO BE REPAIRED, REFURBISHED OR REPLACED.
10. INSPECT ALL CONTROL DEVICES AND MEASURES PRIOR TO AND FOLLOWING RAINFALL EVENTS, AND REPAIR/REPLACE AS REQUIRED.

PHASE 4 - SITE STABILIZATION:

1. ENSURE THAT NOMINATED CONTROL MEASURES FROM PHASES 1, 2 AND 3, WHICH ARE TO REMAIN IN PLACE, ARE MAINTAINED AND FUNCTIONAL.
2. MONITOR AND MAINTAIN ALL TEMPORARY CONTROL DEVICES AND PERMANENT STABILISATION MEASURES.
3. INSPECT ALL CONTROL DEVICES AND MEASURES PRIOR TO AND FOLLOWING RAINFALL EVENTS, AND REPAIR/REPLACE AS REQUIRED.
4. RESEED AND IRRIGATE ANY DISTURBED AREAS.
5. SEDIMENT BASINS AND OTHER SEDIMENT CONTROL DEVICES TO BE DECOMMISSIONED FOLLOWING ADEQUATE STABILISATION OF THE UPSLOPE CONTRIBUTING CATCHMENT AREAS.
6. WHERE SEDIMENT BASIN AREA DOES NOT FORM PART OF PERMANENT STORMWATER MANAGEMENT STRATEGY, AREA TO BE APPROPRIATELY STABILISED. DOWNSLOPE SEDIMENT FENCING TO REMAIN IN PLACE UNTIL ADEQUATE STABILISATION OF DISTURBED AREA.
7. WHERE REQUIRED, BIO-FILTRATION MATERIAL TO BE INSTALLED AND SACRIFICIAL LAYER INSTALLED.
8. TEMPORARY STOCKPILE AREAS AND SITE COMPOUND/OFFICE TO BE DECOMMISSIONED AND AREAS APPROPRIATELY STABILISED.
9. DOWNSLOPE EXTENT OF WORK AREA SEDIMENT FENCING TO REMAIN IN PLACE UNTIL ADEQUATE STABILISATION OF CONTRIBUTING UPSLOPE CATCHMENT AREA.
10. PLANTING, TURFING, MULCHING ETC. TO NOMINATED APPROVED LANDSCAPE PLANS.

SUB-STAGING OF CIVIL WORKS:

1. SCOUR PROTECTION IS REQUIRED AT THE END OF ALL KERBS DISCHARGING ONTO FUTURE ROADWAYS.
2. REFER TO TYPICAL DETAIL ON ROADWORKS

DUST MANAGEMENT

1. THE CONTRACTOR IS RESPONSIBLE FOR THE CONTROL OF ALL DUST EMISSIONS DURING ALL EARTHWORKS OPERATIONS.
2. DUST CONTROL TECHNIQUES AND PRACTICES MAY INCLUDE, BUT MAY NOT BE LIMITED TO, THE FOLLOWING TO MINIMISE THE MOVEMENT OF DUST OFF-SITE:
    - THE PRE-CLEARING OF LAND WILL BE MINIMISED. NO VEGETATION STRIPPING/CLEARING WILL OCCUR IN SITUATIONS OF HIGH WIND.
    - ALL PERMANENT BUNDS AND RESHAPED AREAS WILL BE RE-VEGETATED AS QUICKLY AS POSSIBLE.
    - STABILISATION AND RE-VEGETATION OF FILL AREAS.
    - STOCKPILING ON-SITE WILL BE MINIMISED WHERE POSSIBLE.
    - CONSIDER THE ORIENTATION OF TEMPORARY STOCKPILES TO MINIMISE THE EFFECT OF PREVAILING WINDS.
    - PROVISION OF BARRIER FENCE WIND BREAKS.
    - WATER CARTS OPERATING AS WARRANTED.
    - MAINTENANCE OF VEGETATED BUFFERS AND/OR THE IMPLEMENTATION OF BARRIERS, PARTICULARLY AROUND STOCKPILE AREAS.
    - USE OF SHAKEDOWN AREAS FOR HAUL TRUCKS LEAVING THE SITE.
    - MINIMISATION OF VEHICULAR MOVEMENT EXCEPT FOR DESIGNATED TRAFFIC ROUTES.
3. VISUAL MONITORING IS TO BE UNDERTAKEN THROUGHOUT THE CONSTRUCTION PHASE. DUST MONITORING DEVICES MAY NEED TO BE INSTALLED WHERE IDENTIFIED THROUGH MONITORING. THE CONTRACTOR IS TO ENSURE ANY DUST PRODUCTION IS KEPT TO A MINIMUM AND ACTION TAKEN ON ANY COMPLAINTS RECEIVED. IF VISIBLE DUST EMISSIONS ARE OBSERVED WORKS TO CEASE IMMEDIATELY UNTIL APPROPRIATE DUST CONTROL MEASURES CAN BE PUT IN PLACE.
4. THE CONTRACTOR SHALL MAINTAIN A DAILY RECORD OF SITE CONDITIONS AND THE DUST MANAGEMENT MEASURES IMPLEMENTED. COMPLAINTS BY RESIDENTS ARE TO BE RECORDED IN A COMPLAINTS REGISTER.
5. DEPENDING ON THE SOURCE OF THE DUST THE FOLLOWING MEASURES WILL BE IMPLEMENTED:
    - APPLY WATER SPRAYS TO VEGETATION.
    - DAMPEN EXPOSED AREAS.
    - ENSURE ALL LOADED TRUCKS ARE COVERED.
    - INCREASE NUMBER OF WATER TRUCKS IN OPERATION.
    - CEASE OPERATIONS DURING PERIODS OF EXTREME WINDS.
6. PRIOR TO COMMENCEMENT OF BULK EARTHWORKS, THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF A SPRINKLER SYSTEM IF WATER TRUCK OPERATION IS NOT ABLE TO BE UNDERTAKEN. A 100mm MINIMUM DIAMETER PRESSURE MAIN IS TO BE LAID, THE EXACT ALIGNMENT TO BE DETERMINED ON SITE BY THE SUPERVISING ENGINEER. A DIESEL PUMP WITH PRESSURE REDUCING VALVE WILL OPERATE DURING BULK EARTHWORKS. VALVES WILL BE LOCATED AT 100m INTERVALS ALONG THE MAIN FROM WHICH 'EASYSHIFT' SPRINKLERS (OR APPROVED EQUIVALENT) CONNECT. SPRINKLERS ARE TO HAVE A MINIMUM CAPACITY OF 0.7 LITRES PER SECOND, A MINIMUM 16m SPREAD RADIUS AND TRAFFICABLE HOSES. THE CONTRACTOR SHALL ENSURE ALL EXPOSED EARTHWORK AREAS ARE WATERED AS REQUIRED LIMITING THE OCCURRENCE OF DUST TO A LEVEL ACCEPTABLE TO THE LOCAL COUNCIL.

EROSION AND SEDIMENT MANAGEMENT STRATEGY

OBJECTIVE/TARGET	COMPLY WITH THE EROSION AND SEDIMENT CONTROL PLAN AS SHOWN, TO CONTROL EROSION AND SEDIMENT TRANSPORT. ENSURE THAT ALL EROSION AND SEDIMENT CONTROL DEVICES ARE OPERATIONAL AT ALL TIMES.
MANAGEMENT STRATEGY	CONTRACTOR TO IDENTIFY AND CHECK DIRECTION OF STORMWATER OVER LAND FLOWS AS SHOWN ON PLAN. PROVIDE BARRIERS AND OTHER CONTROL MEASURES SHOWN ON THE PLAN TO PREVENT STORMWATER FLOWS OVER EMBANKMENTS, AND SEDIMENTS INTO THE RECEIVING ENVIRONMENT
TASKS/ACTIONS	ERECT SEDIMENTATION BARRIERS AT PERIMETER OF CONSTRUCTION AREAS AS SHOWN ON EROSION AND SEDIMENT CONTROL PLAN.
FREQUENCY/DEADLINE	CONTRACTOR TO INSPECT DEVICES AT LEAST WEEKLY AND PRIOR TO AND IMMEDIATELY FOLLOWING EACH SIGNIFICANT RAINFALL EVENT.
RESPONSIBLE PERSON/ ORGANISATION	CONTRACTOR TO BE RESPONSIBLE FOR INSPECTIONS AND MAINTENANCE OF CONTROL DEVICES.
REPORTING/REVIEW	SITE WORKMEN TO ADVISE FOREMAN IF THEY NOTICE ANY CONTROLS NEEDING REPAIR. ALL WATER QUALITY SAMPLING DATA INCLUDING DATES AND AMOUNTS OF RAINFALL, DATES OF TESTING AND WATER RELEASE MUST BE MAINTAINED IN AN ON-SITE REGISTER. THIS REGISTER IS TO BE MAINTAINED FOR THE DURATION OF THE APPROVED WORKS, AND MADE AVAILABLE TO COUNCIL OFFICERS ON REQUEST.
CORRECTIVE ACTIONS	IF EROSION AND SEDIMENT CONTROL DEVICES HAVE BEEN FOUND TO BE DEFICIENT OR FAILED IN SERVICE DUE TO UNFORSEEN CIRCUMSTANCES, CORRECTIVE ACTION IS TO BE UNDERTAKEN BY THE CONTRACTOR IMMEDIATELY WHICH MAY INCLUDE AMENDMENTS/ADDITIONS TO THE ORIGINAL EROSION CONTROL PLANS. SUCH ADDITIONS OR AMENDMENTS ARE TO BE APPROVED BY THE SUPERINTENDENT.

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Plotted: Campbell, Grant Date: 07-Aug-26 1:58:29 PM

Issued/Revision		By	Appd	YYYY.MM.DD
P01	ISSUED FOR TENDER	GC	GJ	2026.08.07

Issue Status
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STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:40:11+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title
EROSION AND SEDIMENT CONTROL
TYPICAL NOTES

Project No.
304702009
Scale at A1
AS SHOWN
Drawing No.
304702009-02-007-DR-CI-000100
Revision
P01

ORIGINAL SHEET - ISO A1

LEGEND:

— SF — SF —	SEDIMENT FENCE. INSTALLED DOWN THE SLOPE TO HAVE RETURNS, WITH SPILL THROUGH WEIRS PLACED AT REGULAR INTERVALS. ENDS OF SEDIMENT FENCE TO BE EXTENDED UPSLOPE AT LEAST 1.0m
▬ ▬ ▬ ▬	EXTENT OF WORKS BOUNDARY
→	ROAD FLOW DIRECTION
☐ SA	SAG INLET PROTECTION (SA)
☐ OG	ON-GRADE INLET PROTECTION (OG)
▥	CONSTRUCTION ENTRY; TRUCK SHAKEDOWN FACILITY
🟩	AREA TO BE TURFED
▨	AREA TO BE TOPSOILED AND SEEDED OR STABILISED TO DESIGN REQUIREMENTS. BATTERS TO BE LANDSCAPED, TURFED, OR HYRDROMULCHED ETC IN ACCORDANCE WITH APPROVED CIVIL DRAWINGS
🟧	PROPOSED PATHWAY

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000100 EROSION AND SEDIMENT CONTROL NOTES AND DETAILS.
2. EROSION AND SEDIMENT CONTROL TECHNIQUES SHOWN ON THIS DRAWING ARE CONCEPT ONLY. CONTRACTOR TO REFINE AND PREPARE CONTROL MEASURES PRIOR TO CONSTRUCTION.
3. SEDIMENT TO BE CONTROLLED WITHIN THE SITE BOUNDARY. CONTRACTOR NOT TO BLOCK UP DOWNSTREAM INLET PITS.
4. ALL DISTURBED AREAS WITHIN NEIGHBOURING PROPERTIES TO BE HYDROMULCHED.

LAYOUT PLAN
SCALE 1:200

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Plotted: Campbell, Grant Date: 07-Aug-26 2:01:24 PM

1:200 2 0 2 4 6 8 10 A1
1:400 A3

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Title
EROSION AND SEDIMENT CONTROL
LAYOUT PLAN
SHEET 1 OF 3

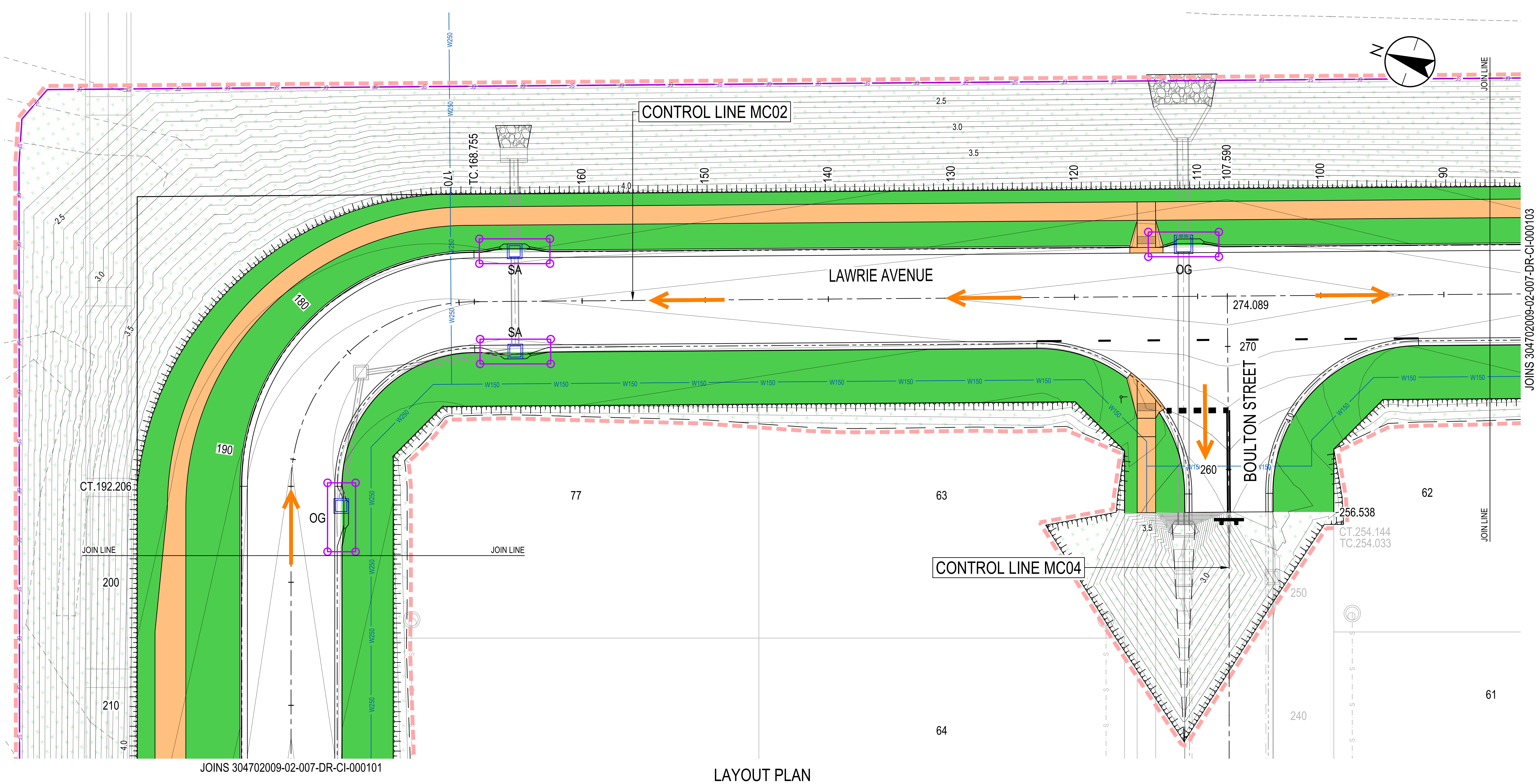
Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000101

Revision
P01

ORIGINAL SHEET - ISO A1



LAYOUT PLAN

SCALE 1:200

LEGEND:

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- - - -	EXTENT OF WORKS BOUNDARY
→	ROAD FLOW DIRECTION
☐ SA	SAG INLET PROTECTION (SA)
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▥	CONSTRUCTION ENTRY; TRUCK SHAKEDOWN FACILITY
🟩	AREA TO BE TURFED
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🟧	PROPOSED PATHWAY

NOTE:

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1:200 2 0 2 4 6 8 10 A1
1:400 A3

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			GC	GC	GJ	BM	2026.08.07

Title
EROSION AND SEDIMENT CONTROL
LAYOUT PLAN
SHEET 2 OF 3

Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000102

Revision
P01

ORIGINAL SHEET - ISO A1

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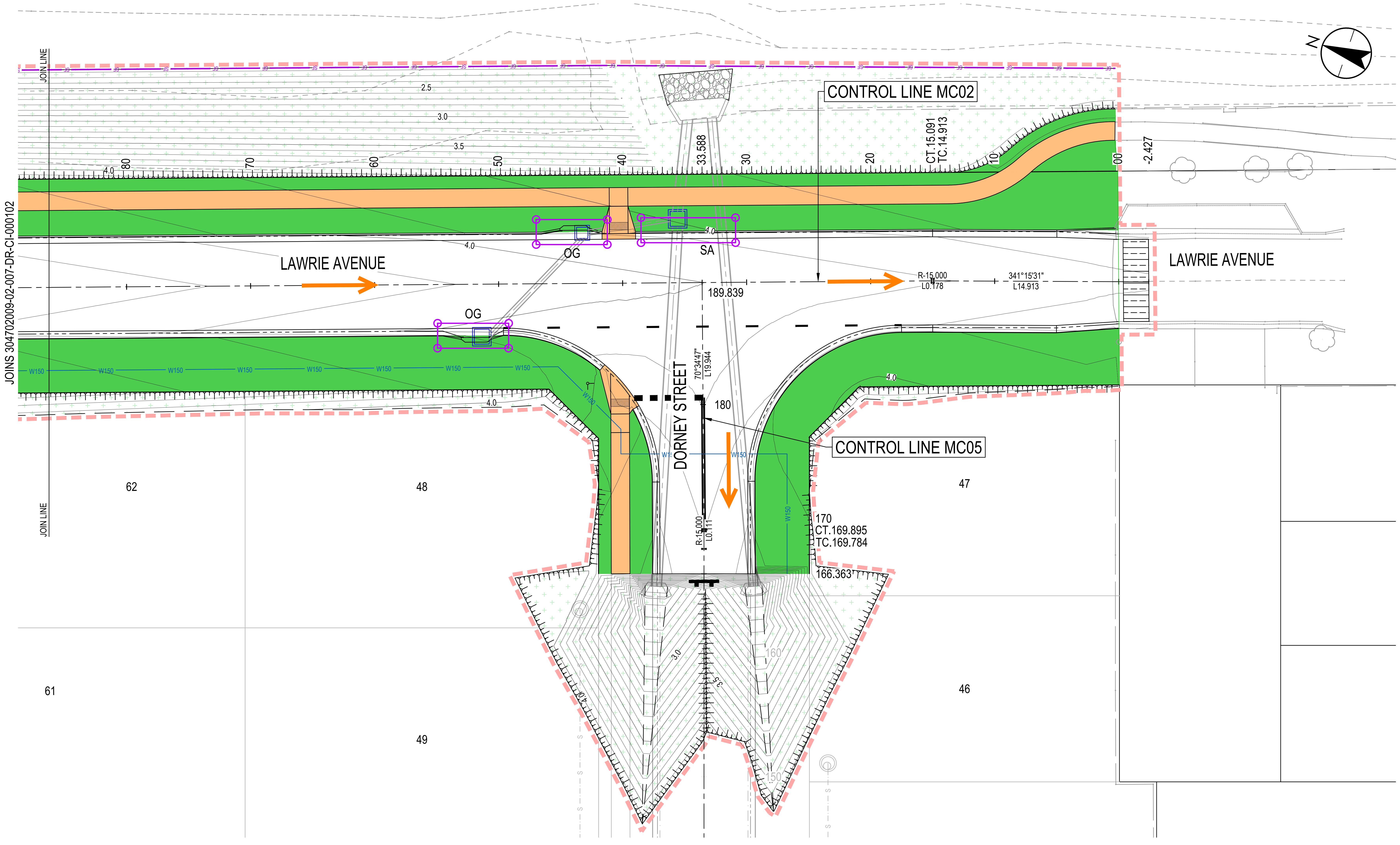
C B A



LAYOUT PLAN

SCALE 1:200

LEGEND:

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- - - -	EXTENT OF WORKS BOUNDARY
→	ROAD FLOW DIRECTION
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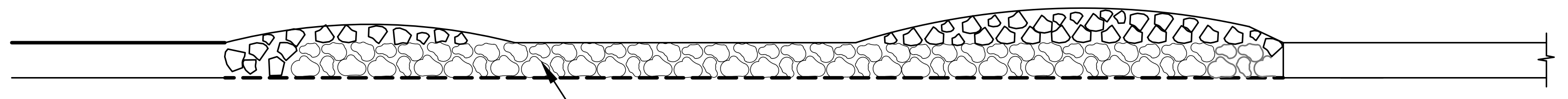
Title
EROSION AND SEDIMENT CONTROL
LAYOUT PLAN
SHEET 3 OF 3

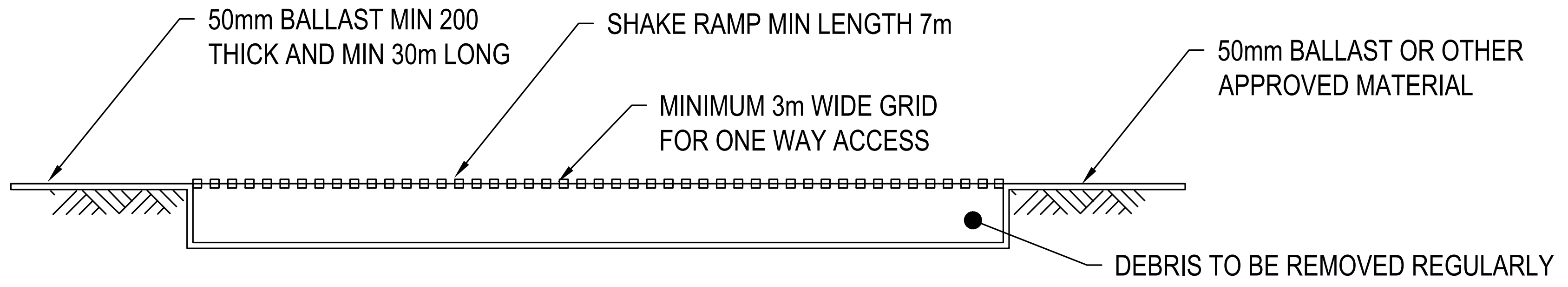
Project No. 304702009
Scale at A1 AS SHOWN
Drawing No. 304702009-02-007-DR-CI-000103
Revision P01

ORIGINAL SHEET - ISO A1



TRUCK SHAKE DOWN FACILITY SECTION (OPTION A)

NOTE:
ALL VEHICLES EXITING FROM THE SITE ARE TO BE CLEANED AND TREATED TO PREVENT MATERIAL BEING TRACKED OR DEPOSITED ONTO PUBLIC ROADS. IF MATERIAL IS ACCIDENTALLY DEPOSITED ONTO PUBLIC ROADS IT SHALL BE REMOVED WITHOUT DELAY. IF THE SHAKEDOWN DEVICE PROVES TO BE INEFFECTIVE THE CONTRACTOR IS TO USE OTHER MEANS TO PREVENT MATERIAL BEING DEPOSITED ONTO PUBLIC ROADS.



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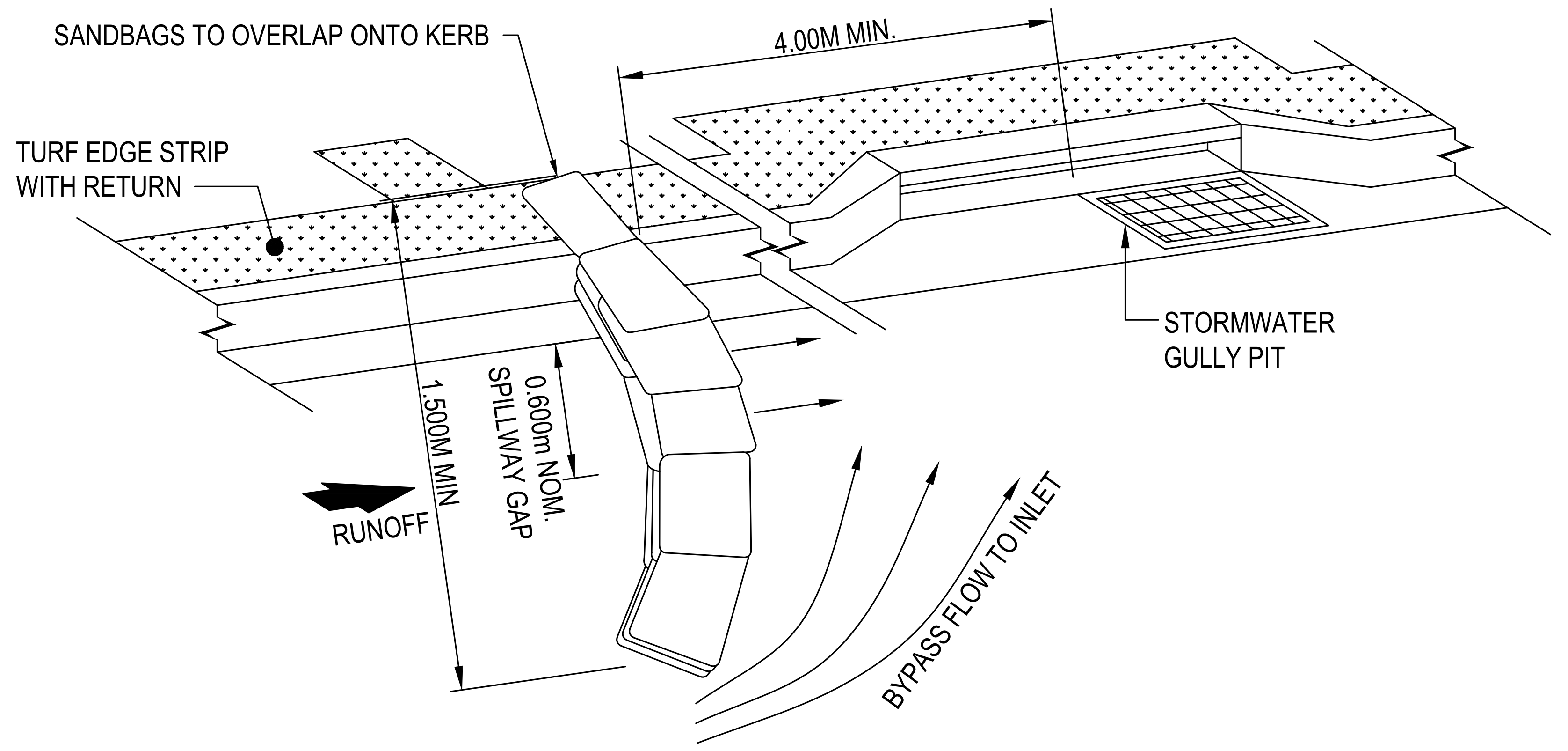
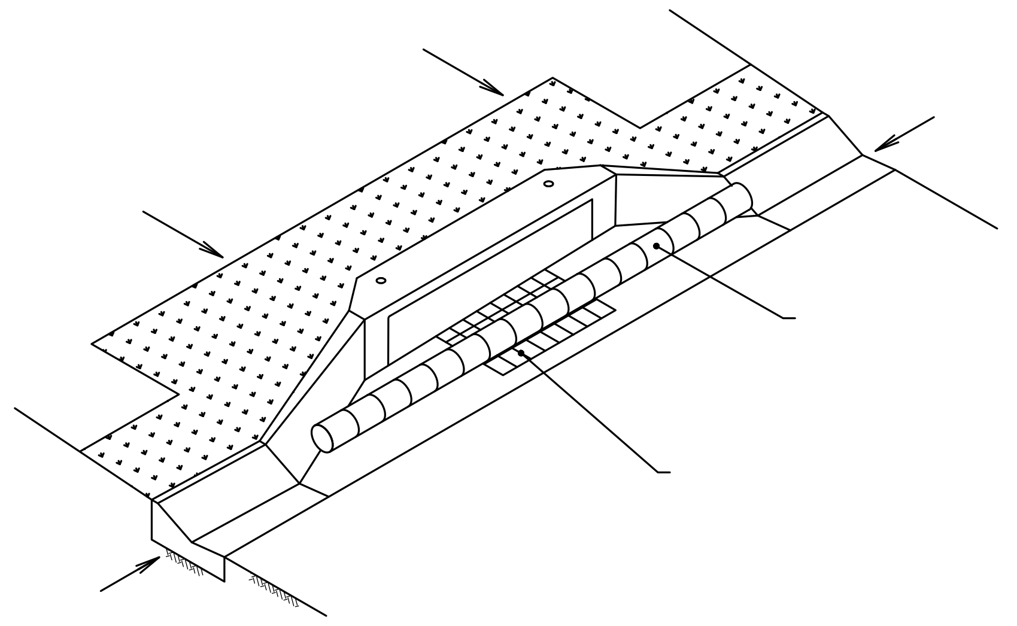


INLET PROTECTION DETAIL (ON-GRADE)

N.T.S.



INLET PROTECTION DETAIL (SAG)

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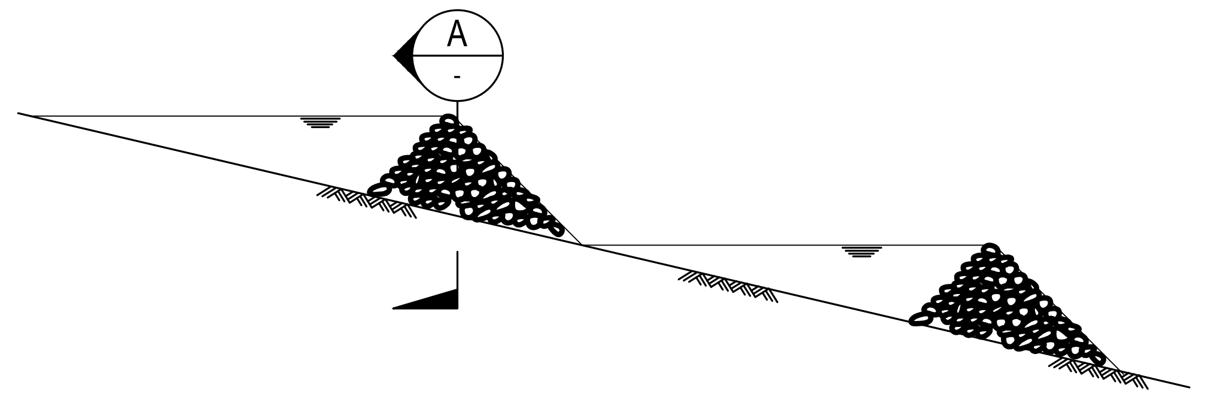
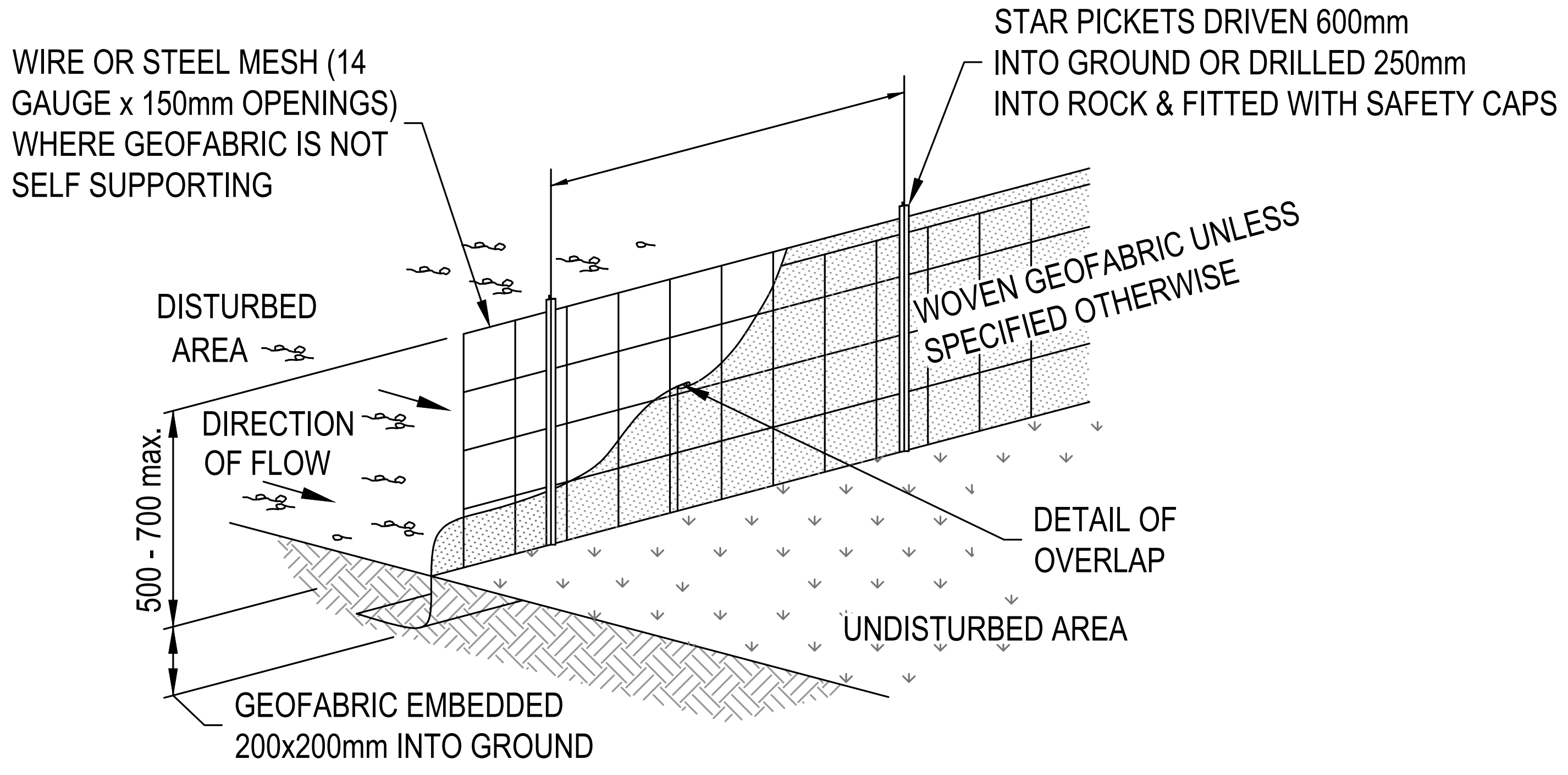
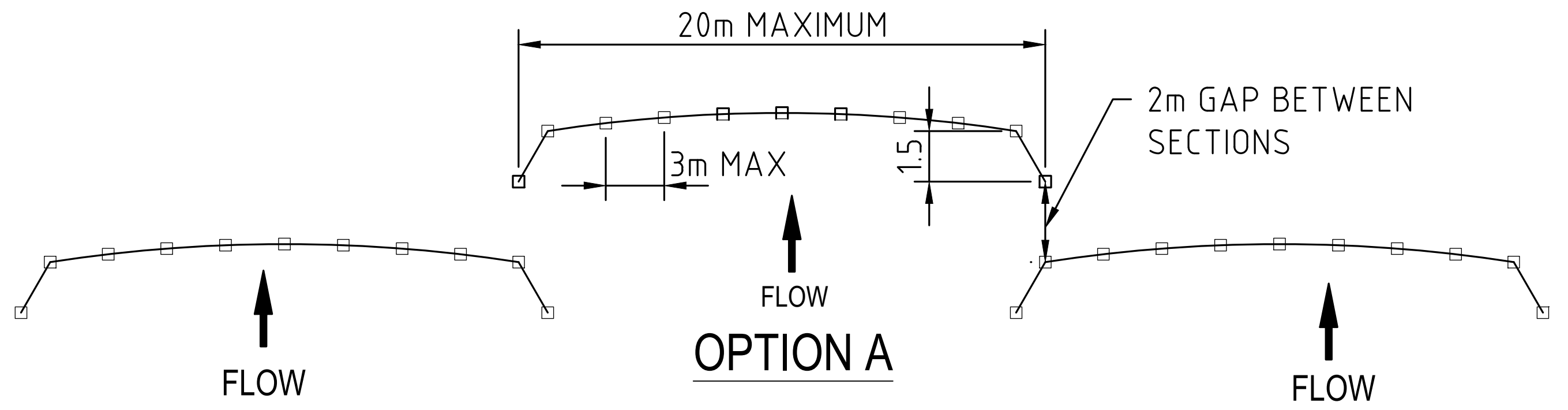


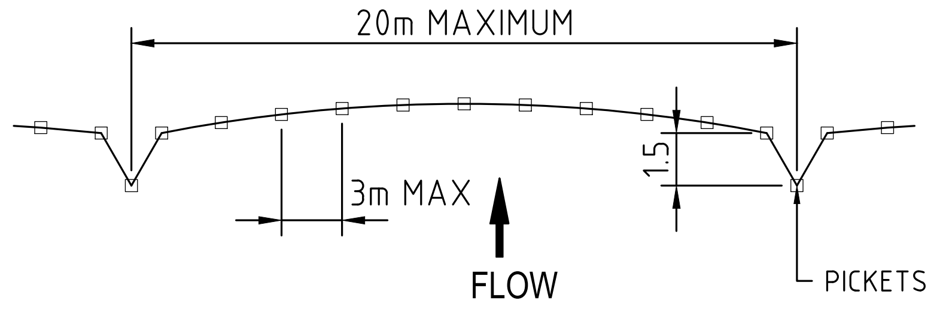


SEDIMENT FILTER FENCE ISOMETRIC DETAIL

N.T.S.



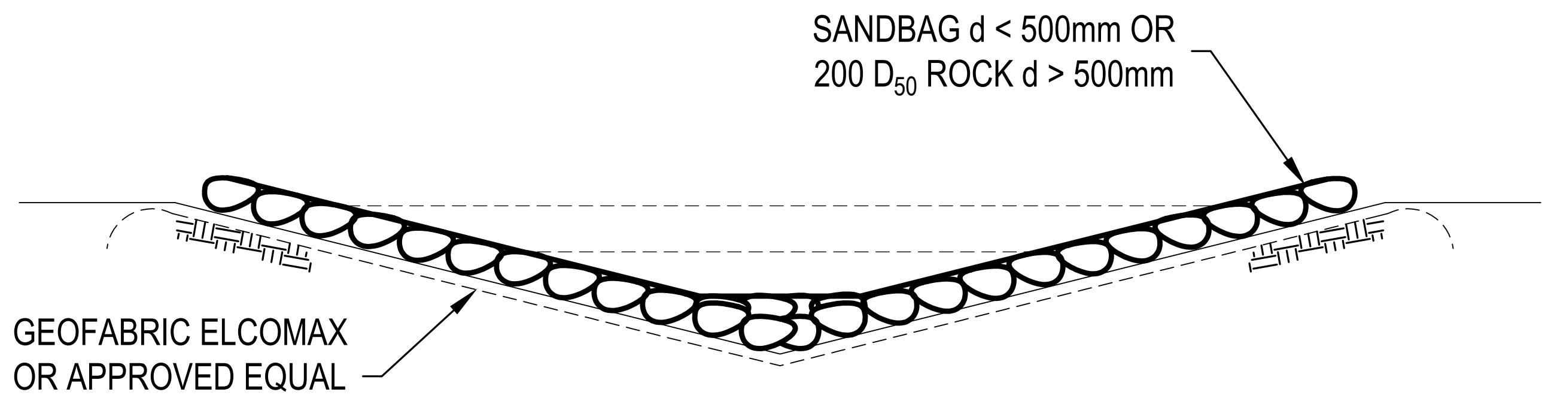
OPTION A



OPTION B

SEDIMENT FILTER FENCE CONTOUR LAYING OPTIONS

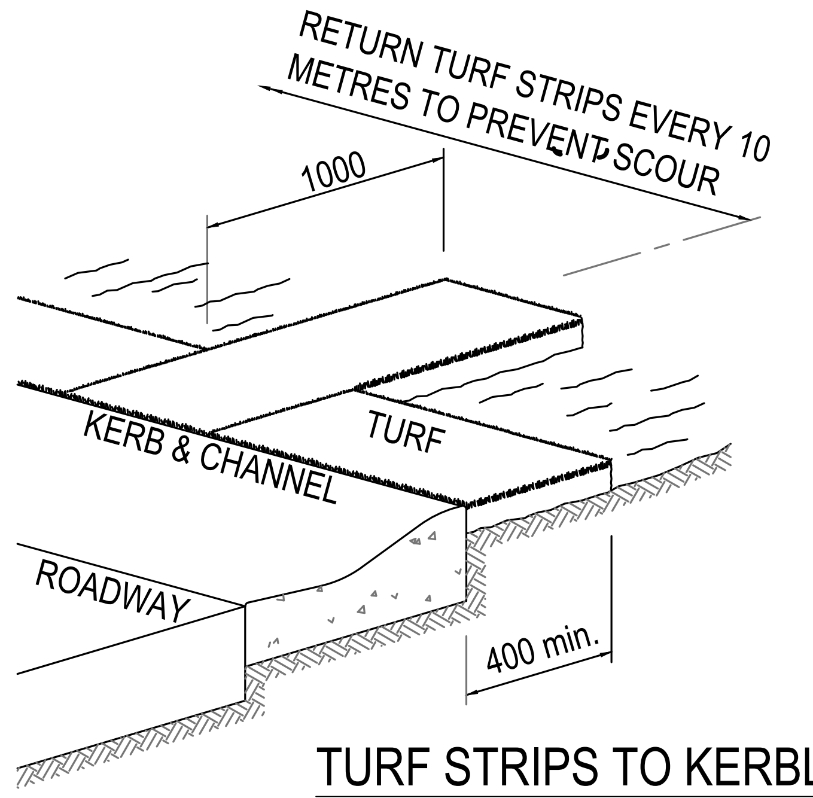
N.T.S



SECTION A

-

N.T.S.



TURF STRIPS TO KERBLINE

N.T.S.

GENERAL NOTE:

SPILLWAY WIDTH AND DEPTH, WALL CREST WIDTH AND DOWNSTREAM OUTLET PROTECTION MEASURES TO BE SPECIFIED ON CONTRACTORS SWMP.

CONSTRUCTION NOTES:

1. REMOVE ALL VEGETATION AND TOPSOIL FROM UNDER THE DAM WALL AND FROM WITHIN THE STORAGE AREA.
2. EXCAVATE TO 300mm DEPTH FOR BASE OF THE DAM WALL.
3. LINE THE EXCAVATION WITH A NEEDLE-PUNCHED GEOTEXTILE ALLOWING SUFFICIENT TO LINE BELOW THE WALL, AND OVER THE UPSTREAM ROCK AND THE SPILLWAY TO 500mm BELOW THE SPILLWAY EXIT ON THE DOWNSTREAM FACE.
4. MAKE UP THE WALL PROFILE AND OUTLET PROTECTION WITH 100mm (MIN.) DIAMETER GRADED ROCK. SPREAD A LAYER OF 50mm TO 75mm DIAMETER AGGREGATE OVER THE UPSTREAM BATTER FOR A MORE EVEN SURFACE, AND ADD 100mm TO 150mm OF 20mm TO 30mm GRAVEL OVER THE 50mm TO 5mm DIAMETER AGGREGATE.
5. LAY GEOTEXTILE OVER THE UPSTREAM BATTER AND THROUGH THE SPILLWAY, FIXING IN PLACE WITH 100mm ROCK.
6. PLACE A "FULL OF SEDIMENT" MARKER TO SHOW WHEN LESS THEN DESIGN CAPACITY OCCURS AND SEDIMENT REMOVAL IS REQUIRED.
7. REPLACE THE UPSTREAM GEOTEXTILE LAYER EACH TIME SEDIMENT IS REMOVED.

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
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14:41:10+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title EROSION AND SEDIMENT CONTROL
TYPICAL DETAILS

Project No. 304702009
Scale at A1 AS SHOWN
Drawing No. 304702009-02-007-DR-CI-000104
Revision P01

ORIGINAL SHEET - ISO A1

LAYOUT PLAN

SCALE 1:200

LEGEND:

- EXTENT OF WORKS BOUNDARY
- 3.00 DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
- DESIGN CONTOUR - MINOR (0.1m INTERVAL)

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.

CUT AND FILL LEGEND

HEIGHT OF FILL		DEPTH OF CUT	HEIGHT OF FILL		DEPTH OF CUT
🟩	0.0m TO 0.2m	🟥	🟩	1.6m TO 1.8m	🟥
🟩	0.2m TO 0.4m	🟥	🟩	1.8m TO 2.0m	🟥
🟩	0.4m TO 0.6m	🟥	🟦	2.0m TO 2.2m	🟧
🟩	0.6m TO 0.8m	🟥	🟦	2.2m TO 2.4m	🟧
🟩	0.8m TO 1.0m	🟥	🟦	2.4m TO 2.6m	🟧
🟩	1.0m TO 1.2m	🟥	🟦	2.6m TO 2.8m	🟫
🟩	1.2m TO 1.4m	🟥	🟦	2.8m TO 3.0m	🟫
🟩	1.4m TO 1.6m	🟥	🟦	OVER 3.0m	🟨

1:200 2 0 2 4 6 8 10 A1
1:400 A3

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2026.08.07
14:41:26+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title EARTHWORKS CUTFILL PLAN

SHEET 1 OF 3

Project No.
304702009

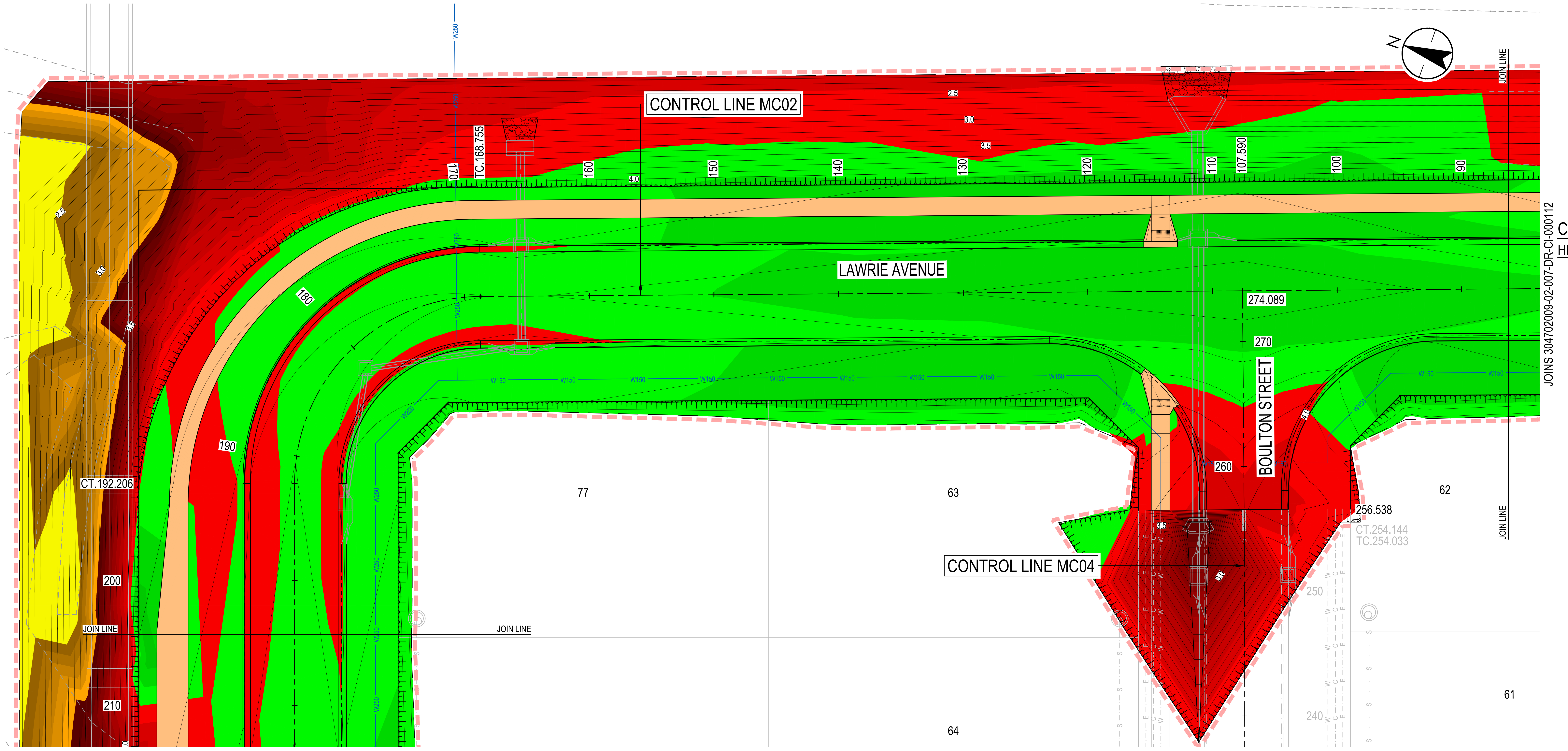
Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000110

Revision
P01

U:\304702009\technical\drawings\working\Separable Portion 2\304702009-STN-02-007-DR-CI-000110-000112.dwg
Plotted: Campbell, Grant Date: 07-Aug-26 2:08:33 PM

ORIGINAL SHEET - ISO A1



LAYOUT PLAN

SCALE 1:200

LEGEND:

- - - EXTENT OF WORKS BOUNDARY
—3.00— DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
—— DESIGN CONTOUR - MINOR (0.1m INTERVAL)

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.

CUT AND FILL LEGEND

HEIGHT OF FILL		DEPTH OF CUT	HEIGHT OF FILL		DEPTH OF CUT
🟩	0.0m TO 0.2m	🟥	🟩	1.6m TO 1.8m	🟥
🟩	0.2m TO 0.4m	🟥	🟩	1.8m TO 2.0m	🟥
🟩	0.4m TO 0.6m	🟥	🟦	2.0m TO 2.2m	🟧
🟩	0.6m TO 0.8m	🟥	🟦	2.2m TO 2.4m	🟧
🟩	0.8m TO 1.0m	🟥	🟦	2.4m TO 2.6m	🟧
🟩	1.0m TO 1.2m	🟥	🟦	2.6m TO 2.8m	🟫
🟩	1.2m TO 1.4m	🟥	🟦	2.8m TO 3.0m	🟫
🟩	1.4m TO 1.6m	🟥	🟦	OVER 3.0m	🟨

1:200 2 0 2 4 6 8 10 A1
1:400 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
A4
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Coordinate System
MGA/20-Zone 55
Datum
mAHD

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Queensland Government

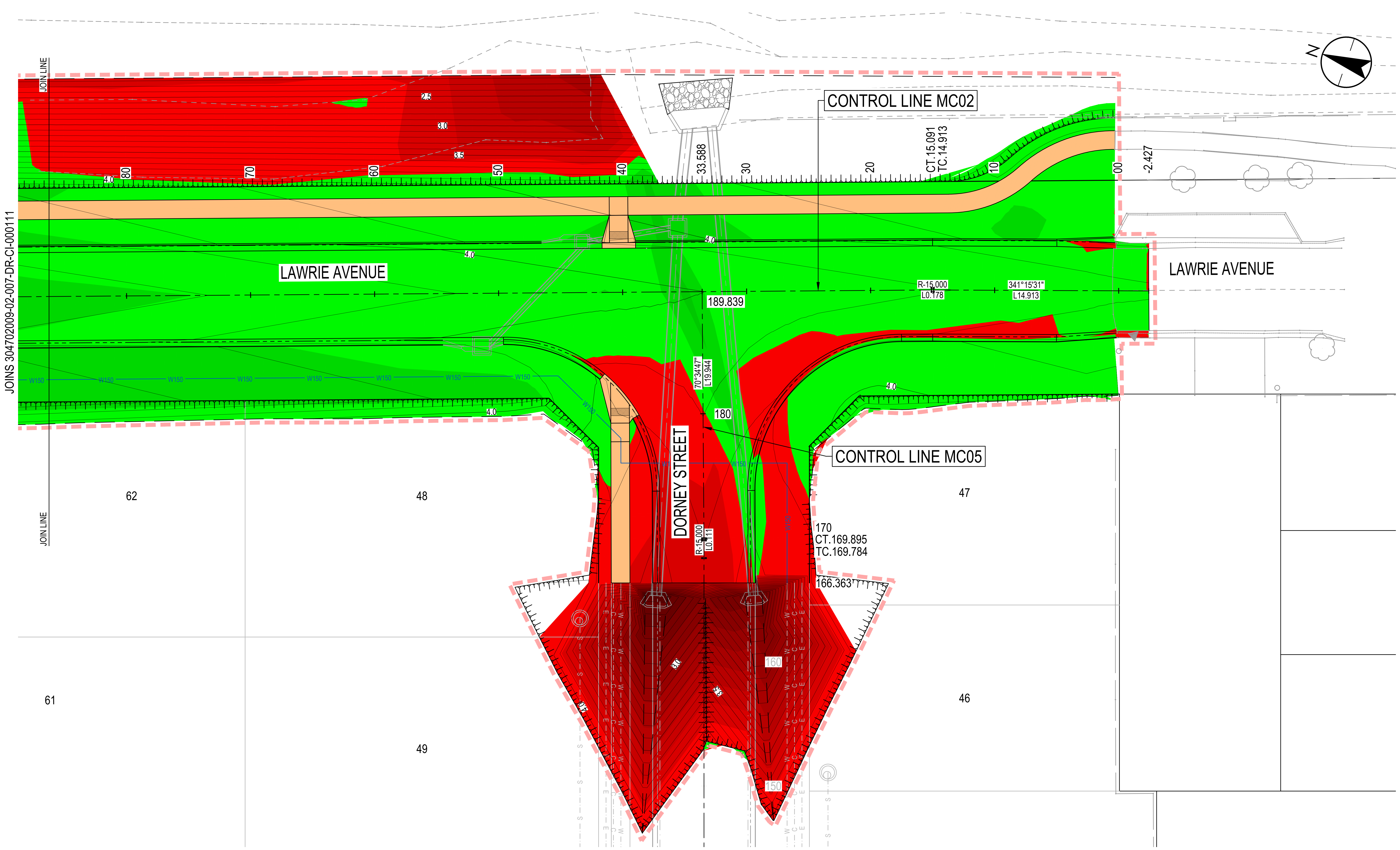
Client/Project
ECONOMIC DEVELOPMENT QUEENSLAND
OONOONBA PDA
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:41:40+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title EARTHWORKS CUTFILL PLAN
SHEET 2 OF 3

Project No.
304702009
Scale at A1
AS SHOWN
Drawing No.
304702009-02-007-DR-CI-000111
Revision
P01



LAYOUT PLAN

SCALE 1:200

LEGEND:

- - - EXTENT OF WORKS BOUNDARY
—3.00— DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
—— DESIGN CONTOUR - MINOR (0.1m INTERVAL)

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.

CUT AND FILL LEGEND

HEIGHT OF FILL		DEPTH OF CUT	HEIGHT OF FILL		DEPTH OF CUT
🟩	0.0m TO 0.2m	🟥	🟩	1.6m TO 1.8m	🟥
🟩	0.2m TO 0.4m	🟥	🟩	1.8m TO 2.0m	🟥
🟩	0.4m TO 0.6m	🟥	🟦	2.0m TO 2.2m	🟧
🟩	0.6m TO 0.8m	🟥	🟦	2.2m TO 2.4m	🟧
🟩	0.8m TO 1.0m	🟥	🟦	2.4m TO 2.6m	🟧
🟩	1.0m TO 1.2m	🟥	🟦	2.6m TO 2.8m	🟫
🟩	1.2m TO 1.4m	🟥	🟦	2.8m TO 3.0m	🟫
🟩	1.4m TO 1.6m	🟥	🟦	OVER 3.0m	🟨

EARTHWORKS VOLUMES

CUT VOLUMES ARE NEGATIVE
FILL VOLUMES ARE POSITIVE

	STAGE 1C
TOTAL CUT	-3309.977 m^3
TOTAL FILL	2276.394 m^3
TOTAL BALANCE	-1033.583 m^3

NOTE:

1. INDICATED EARTHWORKS VOLUMES ARE NETT AND EXCLUDE BULKING / COMPACTION FACTORS.
2. SPOIL LOCATION FOR EXCESS CUT MATERIAL TO BE ADVISED BY THE SUPERINTENDENT.
3. EXCLUDES ALL TRENCH EXCAVATION
4. EXCLUDES ALL SOFT SPOT/BAD GROUND REMOVAL
5. EXCLUDES ALL TEMPORARY AND ADDITIONAL EROSION AND SEDIMENT CONTROL BUNDS, SWALES & BASINS
6. EXCLUDES BIO FILTER MEDIA & ROCK ALLOWANCES
7. EXCLUDES RETAINING WALL AND BACKFILL MEDIA ALLOWANCES

1:200 2 0 2 4 6 8 10 A1
1:400 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
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Datum
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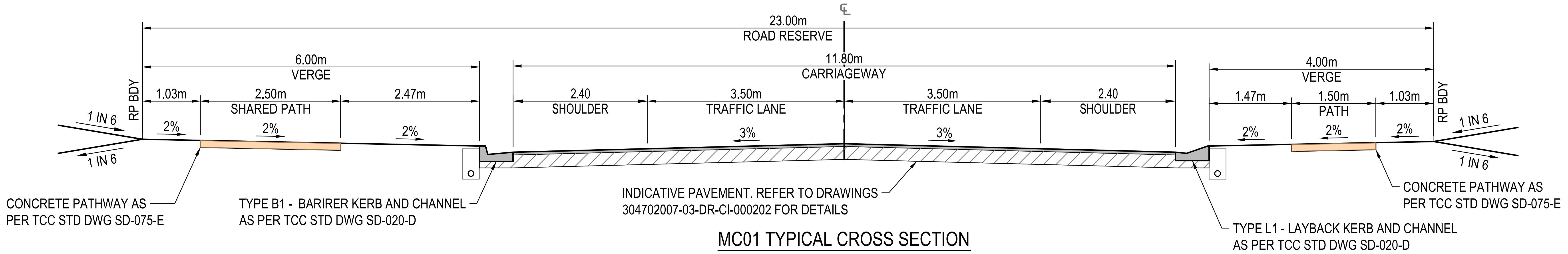
STAGE 1C

Melita, Brendan RPEQ No: 24432 2026.08.07 14:44:59+10'00'			GC	GC	GJ	BM	2026.08.07
Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title EARTHWORKS CUTFILL PLAN

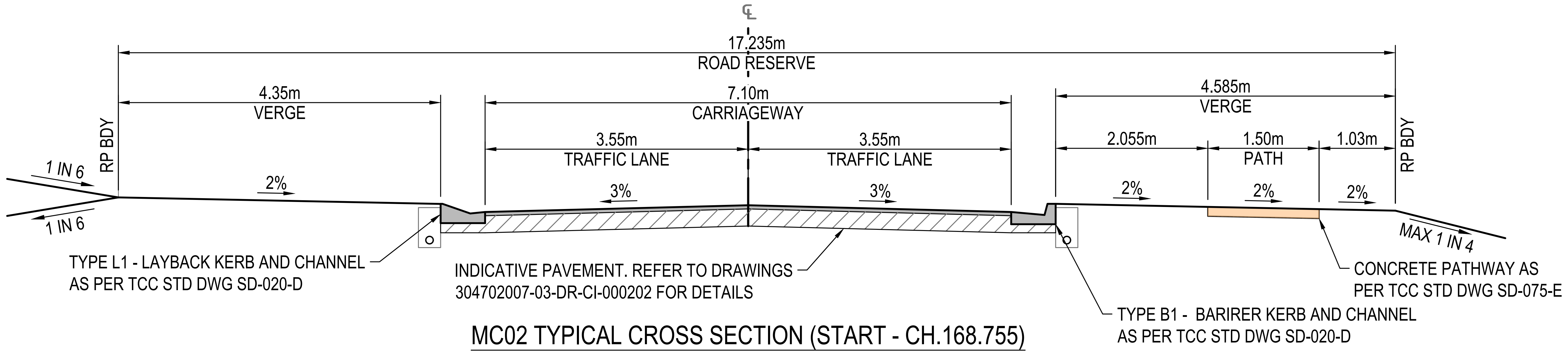
SHEET 3 OF 3

Project No. 304702009
Scale at A1 AS SHOWN
Drawing No. 304702009-02-007-DR-CI-000112
Revision P01



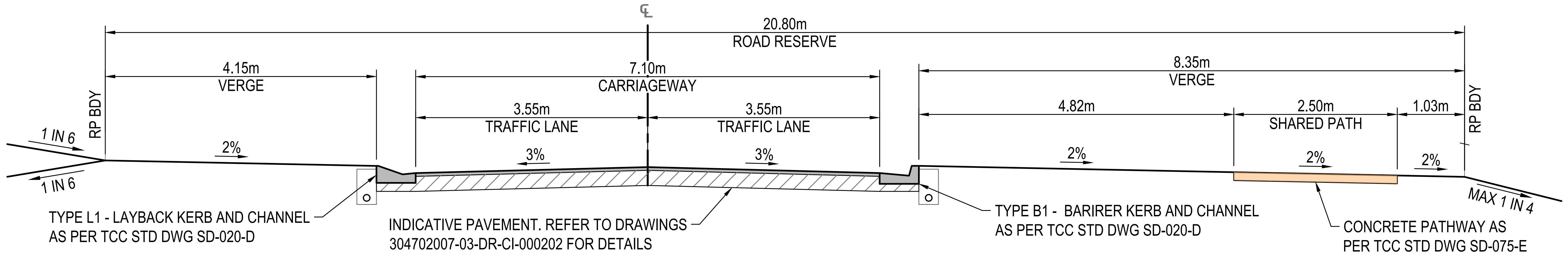
MC01 TYPICAL CROSS SECTION

SCALE 1:50



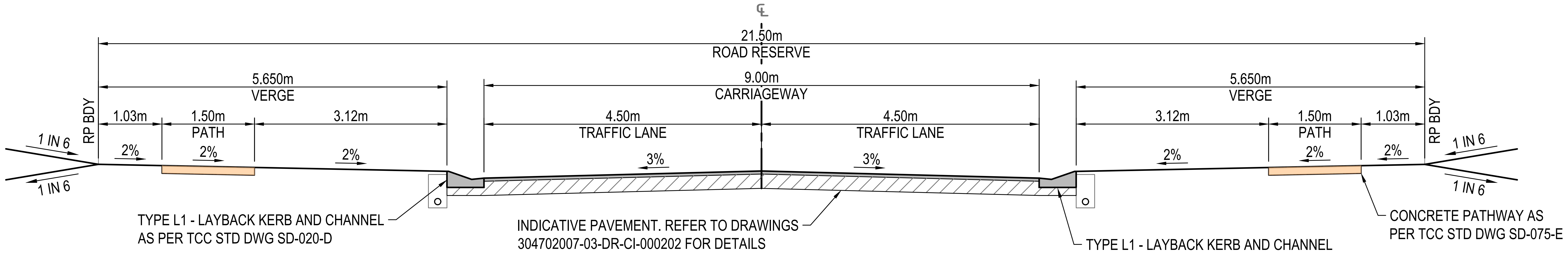
MC02 TYPICAL CROSS SECTION (START - CH.168.755)

SCALE 1:50



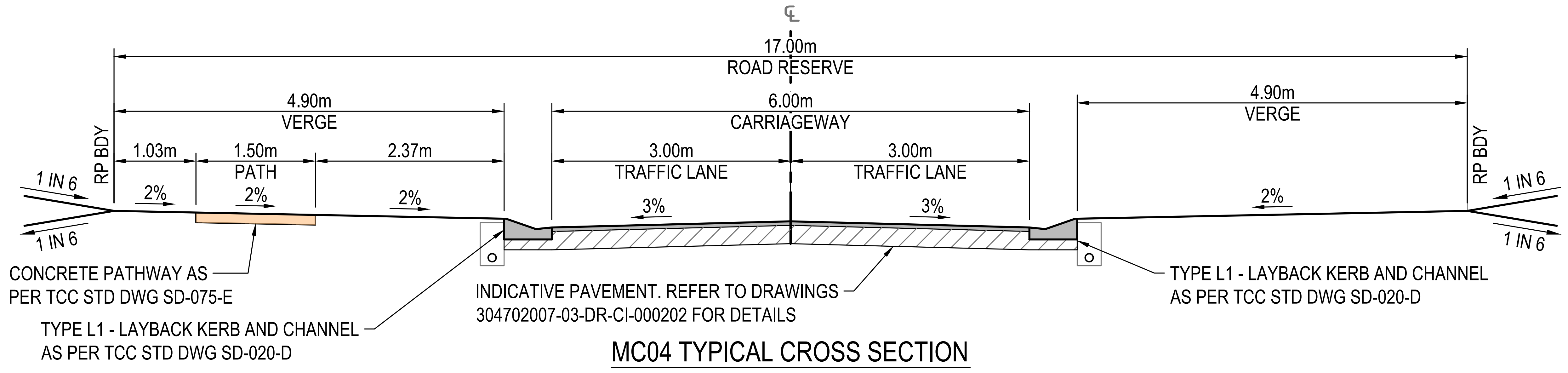
MC02 TYPICAL CROSS SECTION (CH192.206 - END)

SCALE 1:50



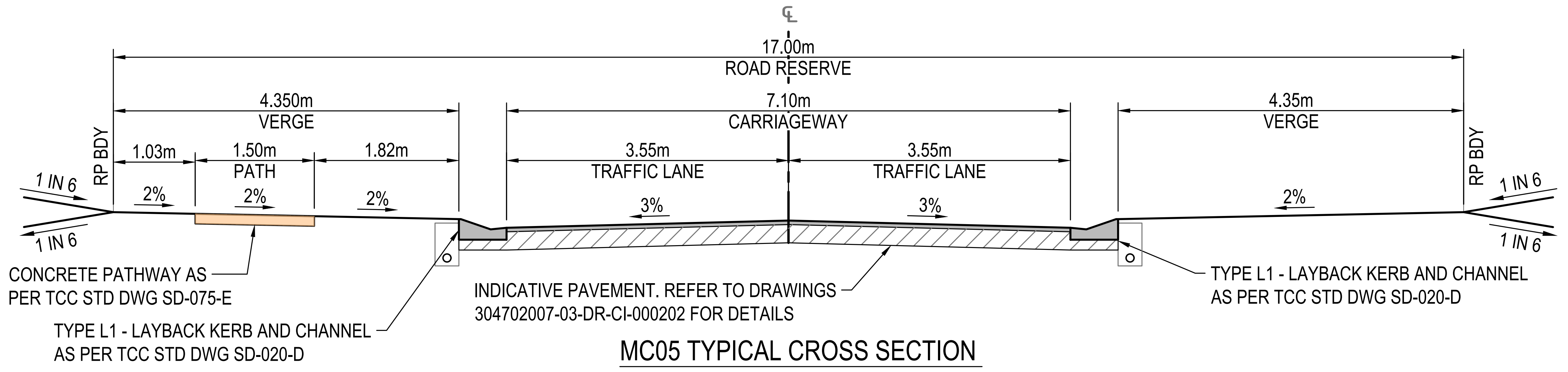
MC03 TYPICAL CROSS SECTION

SCALE 1:50



MC04 TYPICAL CROSS SECTION

SCALE 1:50



MC05 TYPICAL CROSS SECTION

SCALE 1:50

1:50 1 0.5 0 1 2 A1
1:100 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status

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Coordinate System
MGA/20-Zone 55
Datum
mAHD

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ECONOMIC DEVELOPMENT QUEENSLAND
OONOONBA PDA
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:45:13+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title TYPICAL ROAD CROSS SECTIONS

Project No. 304702009

Scale at A1 AS SHOWN

Drawing No. 304702009-02-007-DR-CI-000200

Revision P01

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Plotted: Campbell, Grant Date: 07-Aug-26 2:11:30 PM

ORIGINAL SHEET - ISO A1

CONTROL LINE MC01 SETOUT

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.LEN
S	326.747	480127.555	7867289.443	4.920	71°00'15.90"	LINE	142.779
E	469.526	480262.559	7867335.917	4.898	71°00'15.90"		

CONTROL LINE MC02 SETOUT

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	-2.427	480462.209	7867207.864	3.821	341°15'31.10"	LINE		2.427
TT	0.000	480461.430	7867210.162	3.833	341°15'31.10"	LINE		14.913
TC	14.913	480456.638	7867224.284	3.907	341°15'31.10"	ARC	-15.000	0.178
CT	15.091	480456.580	7867224.452	3.908	340°34'46.18"	LINE		153.664
TC	168.755	480405.487	7867369.374	4.203	340°34'46.18"	ARC	-15.000	23.451
CT	192.206	480386.458	7867378.570	4.308	251°00'14.12"	LINE		131.100
E	323.306	480262.497	7867335.896	4.898	251°00'14.12"			

CONTROL LINE MC03 SETOUT

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	480322.004	7867162.630	4.377	341°34'12.48"	LINE		14.925
TC	14.925	480317.285	7867176.790	4.422	341°34'12.48"	ARC	-15.000	0.148
CT	15.073	480317.238	7867176.930	4.422	341°00'15.02"	LINE		168.178
E	183.251	480262.496	7867335.949	4.898	341°00'15.02"			

CONTROL LINE MC04 SETOUT

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	480166.770	7867222.165	4.554	70°19'17.58"	LINE		14.914
TC	14.914	480180.813	7867227.187	4.703	70°19'17.58"	ARC	15.000	0.179
CT	15.093	480180.981	7867227.247	4.705	71°00'15.02"	LINE		238.940
TC	254.033	480406.910	7867305.022	3.885	71°00'15.02"	ARC	-15.000	0.111
CT	254.144	480407.015	7867305.058	3.886	70°34'46.98"	LINE		19.944
E	274.089	480425.824	7867311.690	4.371	70°34'46.98"			

CONTROL LINE MC05 SETOUT

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	480271.086	7867179.658	4.276	69°45'35.47"	LINE		14.841
TC	14.841	480285.011	7867184.793	4.218	69°45'35.47"	ARC	15.000	0.326
CT	15.167	480285.318	7867184.902	4.219	71°00'15.00"	LINE		154.617
TC	169.784	480431.515	7867235.230	3.802	71°00'15.00"	ARC	-15.000	0.111
CT	169.895	480431.620	7867235.266	3.803	70°34'46.98"	LINE		19.944
E	189.839	480450.430	7867241.898	4.001	70°34'46.98"			

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Plotted: Campbell, Grant Date: 07-Aug-26 2:12:09 PM

ORIGINAL SHEET - ISO A1

Issued/Revision		By	Appd	YYYY.MM.DD
P01	ISSUED FOR TENDER	GC	GJ	2026.08.07

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MGA/20-Zone 55
Datum
mAHD

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STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:45:29+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title ROAD CONTROL SETOUT TABLES

Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000201

Revision
P01

PAVEMENT SPECIFICATIONS

TYPE	DESCRIPTION	ASSUMED CBR	DESIGN ESA	STREET CLASSIFICATION
P1	30mm AC14 ASPHALT SURFACING 10mm SAMI SEAL @ 1.8L/m^2 & 170m^2 / m^3 125mm TYPE 2.1 150mm TYPE 2.3 WITH 1.5% CEMENT SUBGRADE REPLACEMENT: 300mm TYPE 2.3 WITH 3.0% CEMENT	3.0	4x10^5	TCC - TYPE ACCESS STREET TCC - TYPE MINOR COLLECTOR

LEGEND:

▬ ▬	EXTENT OF WORKS BOUNDARY
— - —	PROPOSED CONTROL LINE
▭	PROPOSED PATHWAY

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010 TO 000012, GENERAL NOTES AND DETAILS.
2. FOR ROAD SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304702009-02-007-DR-CI-000240 TO 000242.
3. CBR VALUES TO BE CONFIRMED PRIOR TO CONSTRUCTION. STANTEC TO PROVIDE ALTERNATIVE PAVEMENT DESIGN SHOULD CBR DIFFER FROM VALUE SHOWN IN TABLE

LAYOUT PLAN
SCALE 1:500

1:500 10 5 0 10 20 A1
1:1000 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
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Melita, Brendan
RPEQ No: 24432
2026.08.07
14:46:22+10'00'

			GC	GC	GJ	BM	2026.08.07
Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title PAVEMENT PLAN

Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000202

Revision
P01

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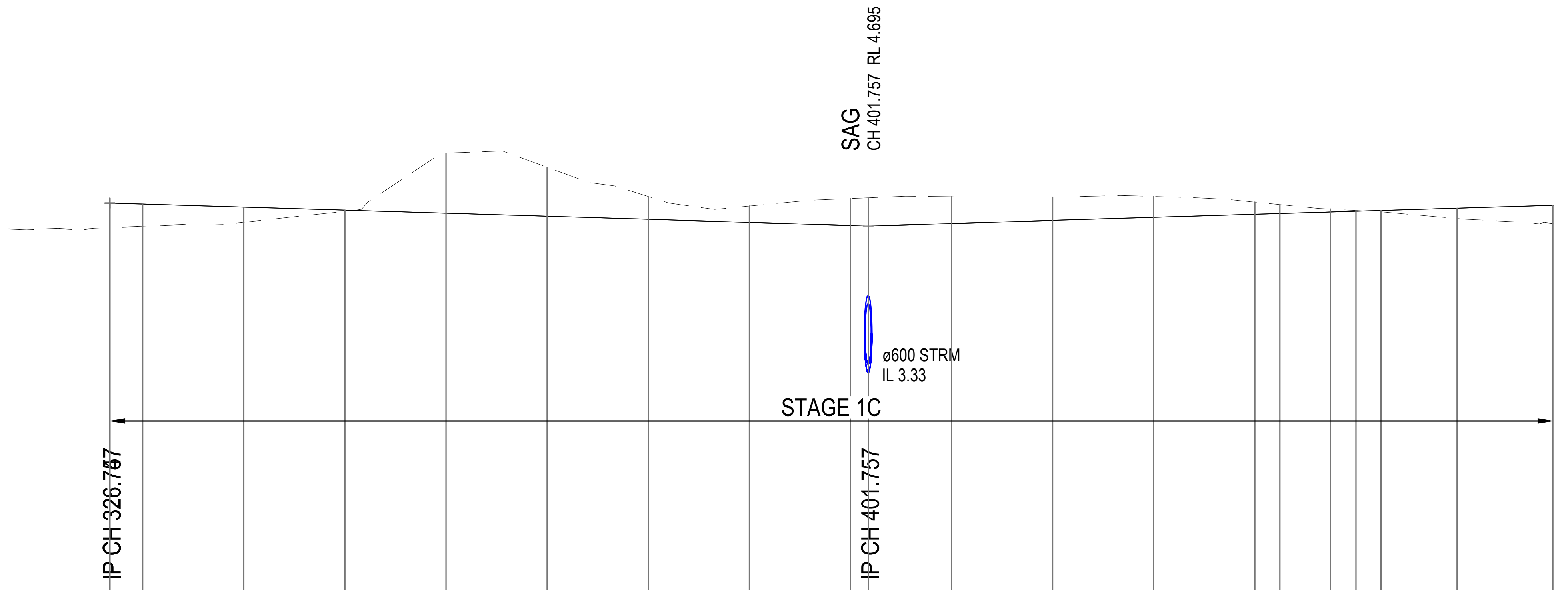
Plotted: Campbell, Grant Date: 07-Aug-26 2:14:12 PM

ORIGINAL SHEET - ISO A1



VERT. CURVE LENGTH (m)
VERT. CURVE RADIUS (m)

VERT. GEOMETRY GRADE (%)	-0.12%	-0.30%	0.30%
VERT. GEOMETRY LENGTH (m)	0.010	75.000	67.769

DATUM RL -1.0

HORZ. CURVE LENGTH (m) HORZ. CURVE RADIUS (m)																					
LHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.743	4.743	4.733	4.703	4.673	4.643	4.613	4.583	4.553	4.523	4.518	4.543	4.573	4.603	4.633	4.640	4.697	4.705	4.712	4.741	4.777
RHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.743	4.743	4.733	4.703	4.673	4.643	4.613	4.583	4.553	4.523	4.518	4.543	4.573	4.603	4.633	4.640	4.697	4.705	4.712	REFER NOTE 1	
EXISTING SURFACE LEVELS ROAD CENTRELINE	4.678	4.678	4.692	4.732	4.838	5.415	5.274	4.985	4.891	4.965	4.972	4.983	4.979	4.985	4.930	4.905	4.861	4.847	4.833	4.767	4.719
DESIGN LEVELS ROAD CENTRELINE	4.920	4.920	4.910	4.880	4.850	4.820	4.790	4.760	4.730	4.700	4.695	4.720	4.750	4.780	4.810	4.817	4.832	4.840	4.847	4.870	4.898
CONTROL LINE CHAINAGE ROAD CENTRELINE	326.747	326.757	330.000	340.000	350.000	360.000	370.000	380.000	390.000	400.000	401.757	410.000	420.000	430.000	440.000	442.477	447.477	450.000	452.477	460.000	469.476
SUPER ELEVATION	326.747																446.747				469.476
								LHS and RHS -3%												LHS -3%	

MC01

SCALE: H 1:500
V 1:50

NOTE:
1. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304702009-02-007-000240-000243
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.
3. FOR ROAD PAVEMENT DETAILS, REFER DRAWING 304702009-02-007-DR-CI-000202.
4. FOR ROAD LONGITUDINAL SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000210-000214.
5. FOR ROAD CROSS SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000220-000227.

1:500 1:1000 10 5 0 10 20 A1 A3
HORIZONTAL

1:50 1:100 1 0.5 0 1 2 A1 A3
VERTICAL

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
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STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:46:41+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title CONTROL LINE MC01 LONGITUDINAL SECTION

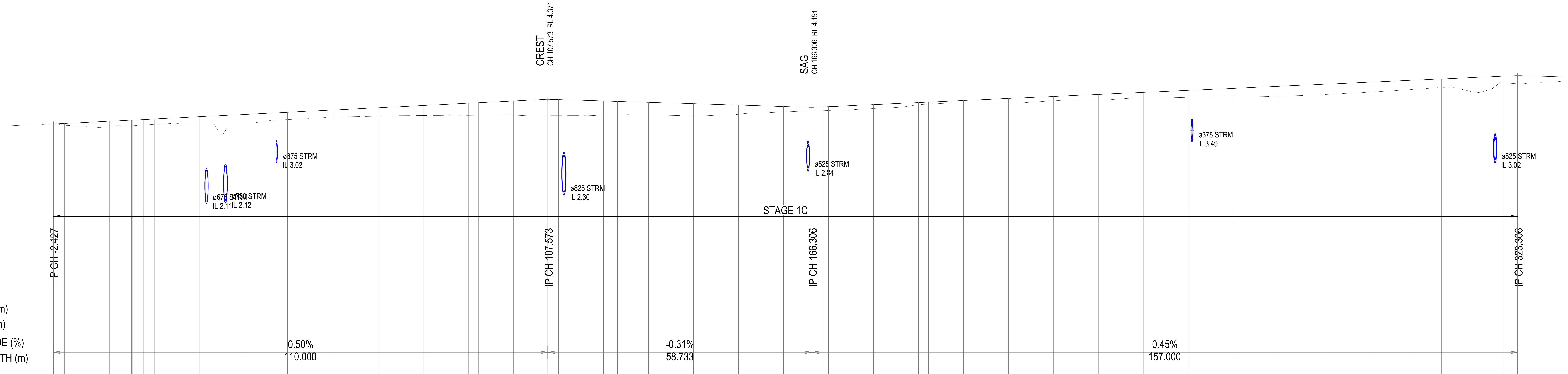
Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000210

Revision
P01

ORIGINAL SHEET - ISO A1



VERT. CURVE LENGTH (m)
VERT. CURVE RADIUS (m)
VERT. GEOMETRY GRADE (%): 0.50% | -0.31% | 0.45%
VERT. GEOMETRY LENGTH (m): 110.000 | 58.733 | 157.000
DATUM RL -2.0

HORZ. CURVE LENGTH (m) / HORZ. CURVE RADIUS (m): 0.178 R -15 (CH 14.913–15.091); 23.451 R -15 (CH 168.755–192.206)

CONTROL LINE CHAINAGE ROAD CENTRELINE	-2.427	0.000	10.000	14.913	15.091	17.538	20.000	30.000	40.000	49.638	50.000	60.000
LHS DESIGN LEVELS LIP OF KERB AND CHANNEL	3.723	3.718	3.776	3.801	3.802	3.814	3.826	3.920	3.948	3.975	3.976	4.026
RHS DESIGN LEVELS LIP OF KERB AND CHANNEL	3.712	3.723	3.776	3.801	3.802	3.814	3.826	3.876	3.926	3.975	3.976	4.026
EXISTING SURFACE LEVELS ROAD CENTRELINE	3.821	3.795	3.768	3.784	3.784	3.797	3.811	3.824	3.838	3.922	3.923	3.973
DESIGN LEVELS ROAD CENTRELINE	3.821	3.833	3.883	3.907	3.908	3.921	3.933	3.983	4.033	4.081	4.083	4.133

CONTROL LINE CHAINAGE ROAD CENTRELINE	70.000	80.000	90.000	92.090	100.000	107.573	110.000	120.000	123.090	130.000	140.000	150.000
LHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.076	4.126	4.176	4.187	4.226	4.264	4.257	4.226	4.217	4.196	4.165	4.135
RHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.076	4.126	4.176	4.187	4.226	4.264	4.257	4.226	4.217	4.196	4.165	4.135
EXISTING SURFACE LEVELS ROAD CENTRELINE	3.994	4.010	4.013	4.015	4.017	4.006	4.007	4.016	4.025	4.021	3.997	4.037
DESIGN LEVELS ROAD CENTRELINE	4.183	4.233	4.283	4.293	4.333	4.371	4.363	4.333	4.323	4.302	4.272	4.241

CONTROL LINE CHAINAGE ROAD CENTRELINE	160.000	166.306	168.755	170.000	180.000	190.000	192.206	200.000	210.000	220.000	230.000	240.000
LHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.104	4.085	4.096	4.102	4.147	4.192	4.202	4.237	4.282	4.327	4.372	4.417
RHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.104	4.085	4.096	4.102	4.147	4.192	4.202	4.237	4.282	4.327	4.372	4.417
EXISTING SURFACE LEVELS ROAD CENTRELINE	4.088	4.111	4.117	4.121	4.165	4.248	4.263	4.291	4.289	4.336	4.347	4.396
DESIGN LEVELS ROAD CENTRELINE	4.211	4.191	4.203	4.208	4.253	4.298	4.308	4.343	4.388	4.433	4.478	4.523

CONTROL LINE CHAINAGE ROAD CENTRELINE	250.000	260.000	270.000	280.000	290.000	300.000	306.290	310.000	320.000	323.306
LHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.462	4.507	4.552	4.597	4.642	4.687	4.715	REFER NOTE 1		
RHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.462	4.507	4.552	4.597	4.642	4.687	4.715	4.729	4.765	
EXISTING SURFACE LEVELS ROAD CENTRELINE	4.413	4.426	4.439	4.474	4.526	4.590	4.633	4.611	4.735	4.719
DESIGN LEVELS ROAD CENTRELINE	4.568	4.613	4.658	4.703	4.748	4.793	4.821	4.838	4.883	4.898

SUPER ELEVATION: 7.573 | 17.573 | 47.573 | 297.573 | 317.573
LHS and RHS -3% | RHS -3% | LHS and RHS -3% | RHS -3%

LHS CROSSFALL TO BE -1.0% AT INTERSECTION OF MC05.
TRANSITION TO AND FROM -3.0% OVER 9.0m EITHER SIDE

MC02

SCALE: H 1:500
V 1:50

NOTE:

1. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304702009-02-007-000240-000243
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.
3. FOR ROAD PAVEMENT DETAILS, REFER DRAWING 304702009-02-007-DR-CI-000202.
4. FOR ROAD LONGITUDINAL SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000210-000214.
5. FOR ROAD CROSS SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000220-000227.

1:500 10 5 0 10 20 A1
1:1000 A3
HORIZONTAL
1:50 1 0.5 0 1 2 A1
1:100 A3
VERTICAL

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
A4
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Coordinate System
MGA/20-Zone 55
Datum
mAHD

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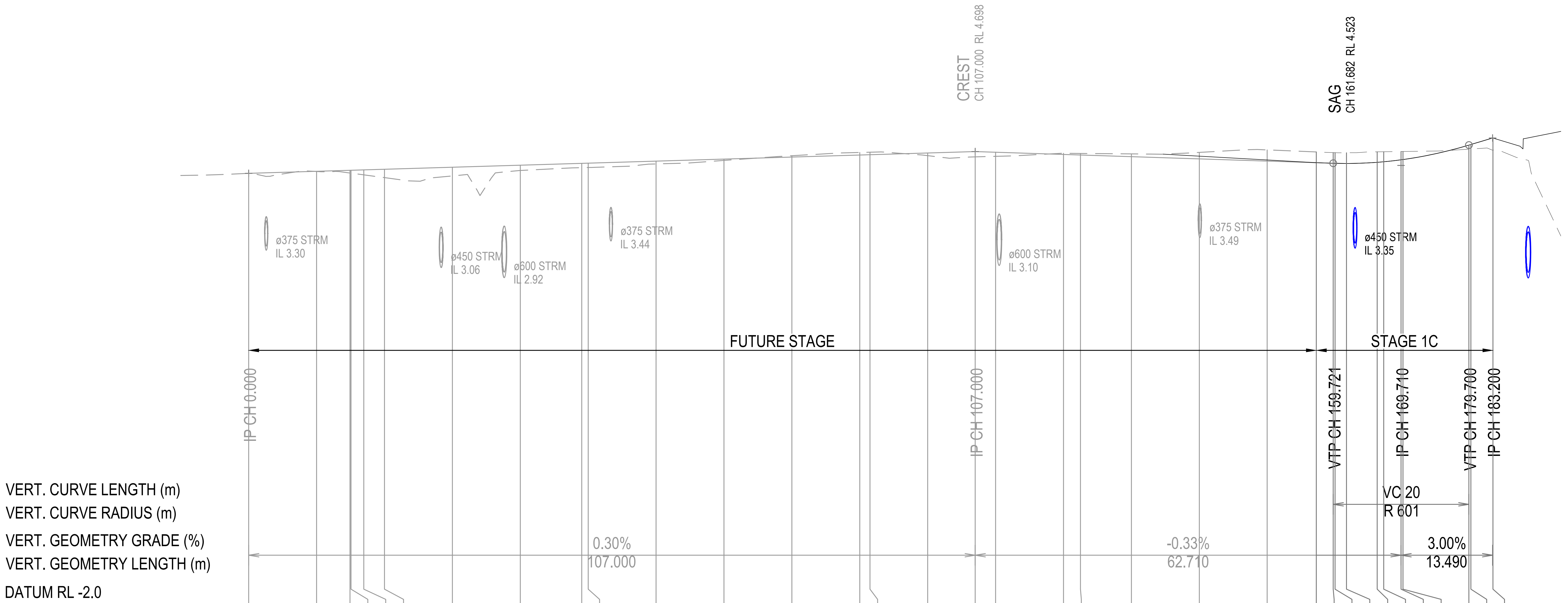
Melita, Brendan
RPEQ No: 24432
2026.08.07
14:46:54+10'00'

			GC	GC	GJ	BM	2026.08.07
Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title CONTROL LINE MC02 LONGITUDINAL SECTION

Project No.
304702009
Scale at A1
AS SHOWN
Drawing No.
304702009-02-007-DR-CI-000211
Revision
P01



HORZ. CURVE LENGTH (m) HORZ. CURVE RADIUS (m)				0.148 R 15						
LHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.257	4.272	4.287	4.287	4.293	4.302	4.400	4.400	4.389	4.392
RHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.260	4.272	4.287	4.287	4.293	4.302	4.355	4.362	4.389	4.392
EXISTING SURFACE LEVELS ROAD CENTRELINE	4.377	4.404	4.382	4.380	4.355	4.314	4.339	4.420	4.461	4.463
DESIGN LEVELS ROAD CENTRELINE	4.377	4.407	4.422	4.422	4.428	4.437	4.467	4.497	4.524	4.527
CONTROL LINE CHAINAGE ROAD CENTRELINE	0.000	10.000	14.925	15.073	16.951	20.000	30.000	40.000	49.051	50.000
SUPER ELEVATION		10.000	LHS and RHS -3%			20.000		40.000 RHS -3%		50.000

HORZ. CURVE LENGTH (m) HORZ. CURVE RADIUS (m)													
LHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.422	4.452	4.482	4.512	4.517	4.580	4.653	4.622	4.521	4.513	4.488	4.455	4.423
RHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.422	4.452	4.482	4.512	4.517	4.542	4.608	4.577	4.521	4.513	4.488	4.455	4.423
EXISTING SURFACE LEVELS ROAD CENTRELINE	4.516	4.568	4.637	4.685	4.689	4.638	4.620	4.627	4.673	4.670	4.664	4.686	4.723
DESIGN LEVELS ROAD CENTRELINE	4.557	4.587	4.617	4.647	4.652	4.677	4.698	4.688	4.656	4.648	4.623	4.590	4.558
CONTROL LINE CHAINAGE ROAD CENTRELINE	60.000	70.000	80.000	90.000	91.501	100.000	107.000	110.000	120.000	122.501	130.000	140.000	150.000
SUPER ELEVATION		LHS and RHS -3%		90.000	RHS -3%	100.000			120.000			LHS and RHS -3%	

HORZ. CURVE LENGTH (m) HORZ. CURVE RADIUS (m)											
LHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.399	4.391	4.390	4.388	4.405	REFER NOTE 1					
RHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.399	4.391	4.390	4.388	4.405	4.413	REFER NOTE 1				
EXISTING SURFACE LEVELS ROAD CENTRELINE	4.693	4.683	4.682	4.681	4.694	4.695	4.699	4.699	4.734	4.735	4.719
DESIGN LEVELS ROAD CENTRELINE	4.534	4.526	4.525	4.523	4.540	4.548	4.577	4.580	4.793	4.802	
CONTROL LINE CHAINAGE ROAD CENTRELINE	157.239	159.721	160.000	161.682	166.200	167.160	169.710	170.000	179.700	180.000	183.251
SUPER ELEVATION		160.000									

MC03

SCALE: H 1:500
V 1:50

NOTE:

1. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304702009-02-007-000240-000243
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.
3. FOR ROAD PAVEMENT DETAILS, REFER DRAWING 304702009-02-007-DR-CI-000202.
4. FOR ROAD LONGITUDINAL SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000210-000214.
5. FOR ROAD CROSS SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000220-000227.

U:\304702009\technical\drawings\working\Separable Portion 2\304702009-STN-02-007-DR-CI-000210-000214.dwg
Plotted: Campbell, Grant Date: 07-Aug-26 2:15:29 PM

1:500 10 5 0 10 20 A1
1:1000 A3
HORIZONTAL
1:50 1 0.5 0 1 2 A1
1:100 A3
VERTICAL

Issued/Revision		By	Appd	YYYY.MM.DD
P01	ISSUED FOR TENDER	GC	GJ	2026.08.07

Issue Status
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Coordinate System
MGA/20-Zone 55
Datum
mAHD

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STAGE 1C

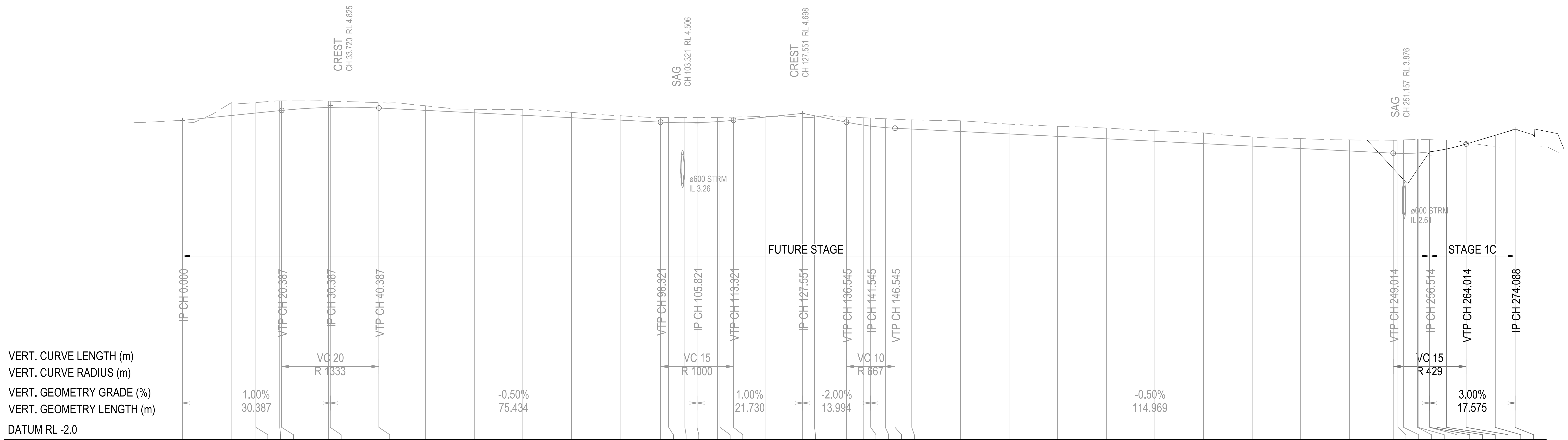
Melita, Brendan
RPEQ No: 24432
2026.08.07
14:47:07+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title CONTROL LINE MC03 LONGITUDINAL SECTION

Project No. 304702009
Scale at A1 AS SHOWN
Drawing No. 304702009-02-007-DR-CI-000212
Revision P01

ORIGINAL SHEET - ISO A1



CONTROL LINE CHAINAGE ROAD CENTRELINE	HORZ. CURVE LENGTH (m) HORZ. CURVE RADIUS (m)	LHS DESIGN LEVELS LIP OF KERB AND CHANNEL	RHS DESIGN LEVELS LIP OF KERB AND CHANNEL	EXISTING SURFACE LEVELS ROAD CENTRELINE	DESIGN LEVELS ROAD CENTRELINE	SUPER ELEVATION
0.000		4.464	4.464	4.554	4.554	0.000
10.000		4.564	4.564	4.916	4.654	
14.914	0.179 R 15	4.613	4.613	4.920	4.703	
15.093		4.615	4.615	4.922	4.705	
20.000		4.664	4.664	4.954	4.754	
20.387		4.668	4.668	4.954	4.758	
30.000		4.730	4.730	4.951	4.820	
30.387		4.730	4.730	4.950	4.821	
40.000		4.720	4.720	4.920	4.810	
40.387		4.718	4.718	4.918	4.808	
50.000		4.670	4.670	4.853	4.760	
60.000		4.620	4.620	4.783	4.710	
70.000		4.570	4.570	4.774	4.660	LHS and RHS -3%
80.000		4.520	4.520	4.720	4.610	
90.000		4.470	4.470	4.650	4.560	
98.321		4.428	4.428	4.610	4.518	
100.000		4.421	4.421	4.611	4.511	
103.321		4.416	4.416	4.613	4.506	
105.821		4.419	4.419	4.614	4.509	
110.000		4.438	4.438	4.617	4.528	110.000
110.551		4.442	4.442	4.617	4.532	
113.321				4.622	4.556	
120.000				4.634	4.623	
127.551				4.620	4.698	
130.000				4.622	4.649	
136.545				4.623	4.518	
140.000				4.608	4.458	
141.545				4.601	4.437	
144.551		4.316	4.316	4.588	4.406	
146.545		4.303	4.303	4.579	4.393	
150.000		4.286	4.286	4.565	4.376	150.000
160.000		4.236	4.236	4.545	4.326	
170.000		4.186	4.186	4.478	4.276	
180.000		4.136	4.136	4.433	4.226	
190.000		4.086	4.086	4.396	4.176	
200.000		4.036	4.036	4.341	4.126	LHS and RHS -3%
210.000		3.986	3.986	4.297	4.076	
220.000		3.936	3.936	4.214	4.026	
230.000		3.886	3.886	4.180	3.976	
240.000		3.836	3.836	4.153	3.926	
249.014		3.791	3.791	4.148	3.881	
250.000		3.787	3.787	4.148	3.877	250.000
251.157	0.111 R 15	3.786	3.786	4.152	3.876	
254.033		3.795	3.795	4.162	3.885	
254.144		3.796	3.796	4.162	3.886	
256.514		3.819	3.819	4.159	3.909	
256.538		3.820	3.820	4.159	3.909	
258.039		3.841	3.841	4.155	3.931	
260.000		REFER NOTE 1	REFER NOTE 1	4.151	3.967	
264.014				4.101	4.068	
270.000				4.012	4.248	
274.089				4.006	4.371	

MC04

SCALE: H 1:500
V 1:50

NOTE:

1. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304702009-02-007-000240-000243
2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.
3. FOR ROAD PAVEMENT DETAILS, REFER DRAWING 304702009-02-007-DR-CI-000202.
4. FOR ROAD LONGITUDINAL SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000210-000214.
5. FOR ROAD CROSS SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000220-000227.

1:500 10 5 0 10 20 A1
1:1000 A3
HORIZONTAL
1:50 1 0.5 0 1 2 A1
1:100 A3
VERTICAL

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
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MGA/20-Zone 55
Datum
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Melita, Brendan
RPEQ No: 24432
2026.08.07
14:47:20+10'00'

Authorised	Ref #	YYYY.MM.DD	GC Dwn.	GC Dsgn.	GJ Chkd.	BM Appd.	2026.08.07 YYYY.MM.DD

Title
CONTROL LINE MC04 LONGITUDINAL SECTION

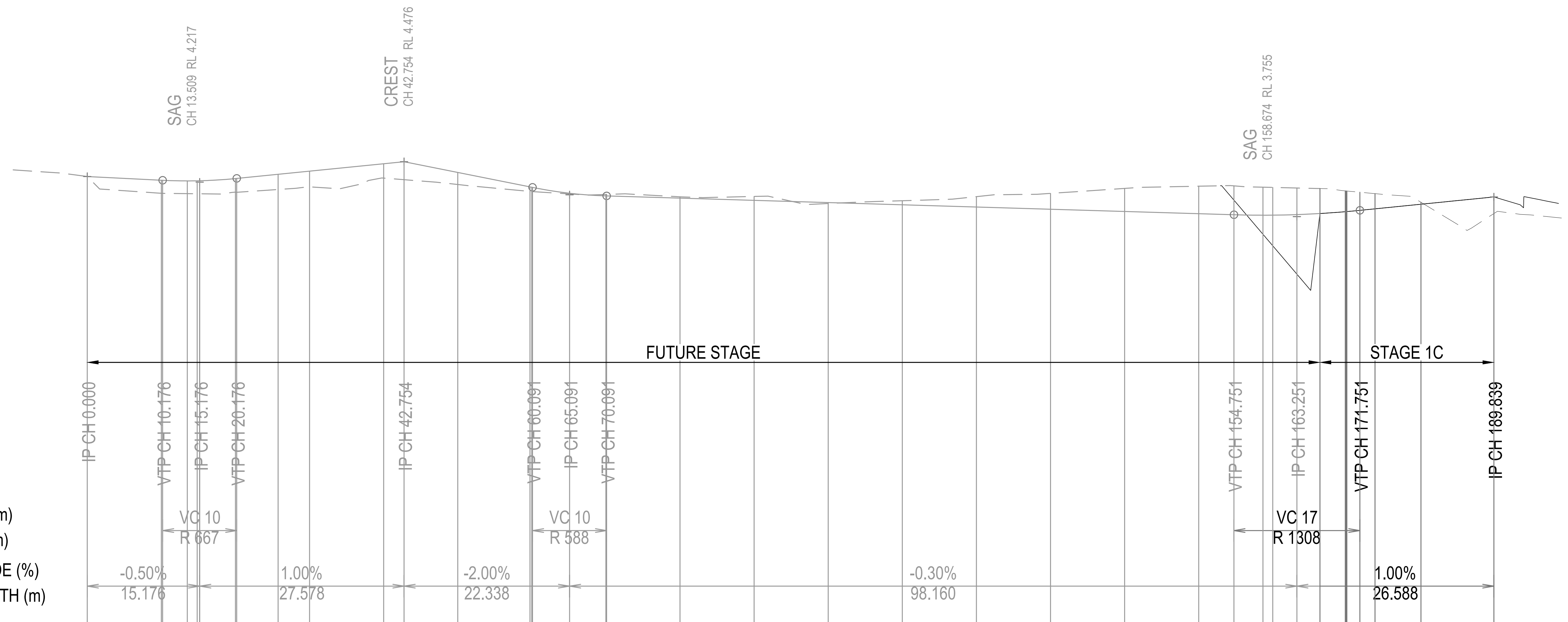
Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000213

Revision
P01

ORIGINAL SHEET - ISO A1



VERT. CURVE LENGTH (m)
VERT. CURVE RADIUS (m)
VERT. GEOMETRY GRADE (%)
VERT. GEOMETRY LENGTH (m)
DATUM RL -2.0

HORZ. CURVE LENGTH (m) HORZ. CURVE RADIUS (m)				0.326 R 15						
LHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.170	4.120	4.119	4.111	4.112	4.113	4.113	4.142	4.144	4.200
RHS DESIGN LEVELS LIP OF KERB AND CHANNEL	4.170	4.120	4.119	4.111	4.112	4.113	4.113	4.142	4.144	4.200
EXISTING SURFACE LEVELS ROAD CENTRELINE	4.276	4.050	4.049	4.045	4.043	4.043	4.043	4.065	4.064	4.101
DESIGN LEVELS ROAD CENTRELINE	4.276	4.226	4.225	4.217	4.218	4.219	4.219	4.249	4.250	4.306
CONTROL LINE CHAINAGE ROAD CENTRELINE	0.000	10.000	10.176	13.509	14.841	15.167	15.176	20.000	20.176	25.754
SUPER ELEVATION	0.000	LHS and RHS -3%				20.000				

HORZ. CURVE LENGTH (m) HORZ. CURVE RADIUS (m)										
LHS DESIGN LEVELS LIP OF KERB AND CHANNEL					4.030	4.025	4.023	3.944	3.908	3.908
RHS DESIGN LEVELS LIP OF KERB AND CHANNEL					4.030	4.025	4.023	3.944	3.908	3.908
EXISTING SURFACE LEVELS ROAD CENTRELINE	4.135	4.255	4.234	4.169	4.076	4.074	4.073	4.041	4.034	4.034
DESIGN LEVELS ROAD CENTRELINE	4.349	4.449	4.476	4.331	4.136	4.131	4.129	4.051	4.015	4.014
CONTROL LINE CHAINAGE ROAD CENTRELINE	30.000	40.000	42.754	50.000	59.754	60.000	60.091	65.091	70.000	70.091
SUPER ELEVATION					60.000					

HORZ. CURVE LENGTH (m) HORZ. CURVE RADIUS (m)										
LHS DESIGN LEVELS LIP OF KERB AND CHANNEL	3.878	3.848	3.818	3.788	3.758	3.728	3.698	3.668	3.654	3.648
RHS DESIGN LEVELS LIP OF KERB AND CHANNEL	3.878	3.848	3.818	3.788	3.758	3.728	3.698	3.668	3.654	3.648
EXISTING SURFACE LEVELS ROAD CENTRELINE	4.002	4.007	3.912	3.950	4.005	4.049	4.116	4.146	4.150	4.132
DESIGN LEVELS ROAD CENTRELINE	3.985	3.955	3.925	3.895	3.865	3.835	3.805	3.775	3.760	3.755
CONTROL LINE CHAINAGE ROAD CENTRELINE	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	154.751	158.674
SUPER ELEVATION				LHS and RHS -3%						

HORZ. CURVE LENGTH (m) HORZ. CURVE RADIUS (m)					0.111 R -15					
LHS DESIGN LEVELS LIP OF KERB AND CHANNEL	3.649	3.656	3.671	3.695	3.696	3.697	3.713	3.734	REFER NOTE 1	
RHS DESIGN LEVELS LIP OF KERB AND CHANNEL	3.649	3.656	3.671	3.695	3.696	3.697	3.713	3.734		
EXISTING SURFACE LEVELS ROAD CENTRELINE	4.129	4.121	4.114	4.082	4.081	4.080	4.064	4.045	3.929	3.777
DESIGN LEVELS ROAD CENTRELINE	3.755	3.763	3.777	3.802	3.803	3.804	3.820	3.840	3.902	4.001
CONTROL LINE CHAINAGE ROAD CENTRELINE	160.000	163.251	166.363	169.784	169.895	170.000	171.751	173.799	180.000	189.839
SUPER ELEVATION				170.000						

MC05

SCALE: H 1:500
V 1:50

NOTE:

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2. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.
3. FOR ROAD PAVEMENT DETAILS, REFER DRAWING 304702009-02-007-DR-CI-000202.
4. FOR ROAD LONGITUDINAL SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000210-000214.
5. FOR ROAD CROSS SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000220-000227.

1:500 10 5 0 10 20 A1
1:1000 A3
HORIZONTAL

1:50 1 0.5 0 1 2 A1
1:100 A3
VERTICAL

Issued/Revision		By	Appd	YYYY.MM.DD
P01	ISSUED FOR TENDER	GC	GJ	2026.08.07

Issue Status
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Coordinate System
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14:49:32+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title
CONTROL LINE MC05 LONGITUDINAL SECTION

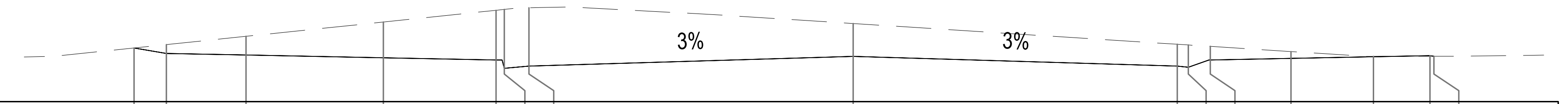
Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000214

Revision
P01

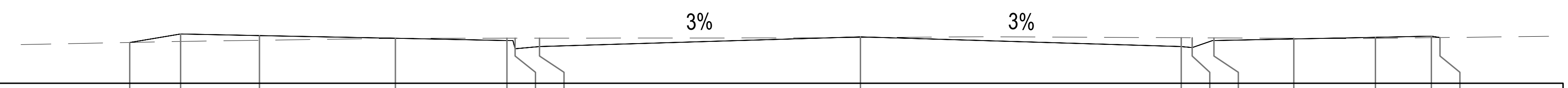
ORIGINAL SHEET - ISO A1



DATUM RL.4.0

DESIGN LEVEL	4.971	4.873	4.844	4.794	4.753	4.603	4.643	4.820	4.643	4.623	4.753	4.783	4.813	4.833	4.821
EXISTING LEVEL	4.971	5.032	5.183	5.442	5.654	5.670	5.700	5.415	5.039	5.026	5.000	4.907	4.819	4.821	4.821
OFFSET	-13.089	-12.500	-11.050	-8.550	-6.500	-6.350	-5.900	0.000	5.900	6.100	6.500	7.970	9.470	10.500	10.571

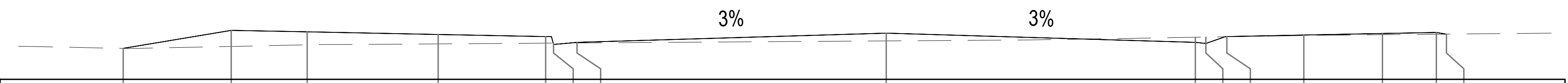
CH 360.000



DATUM RL.4.0

DESIGN LEVEL	4.747	4.903	4.874	4.824	4.783	4.633	4.673	4.850	4.673	4.653	4.783	4.813	4.843	4.863	4.837
EXISTING LEVEL	4.747	4.766	4.787	4.824	4.826	4.826	4.827	4.838	4.835	4.834	4.832	4.824	4.822	4.835	4.837
OFFSET	-13.436	-12.500	-11.050	-8.550	-6.500	-6.350	-5.900	0.000	5.900	6.100	6.500	7.970	9.470	10.500	10.658

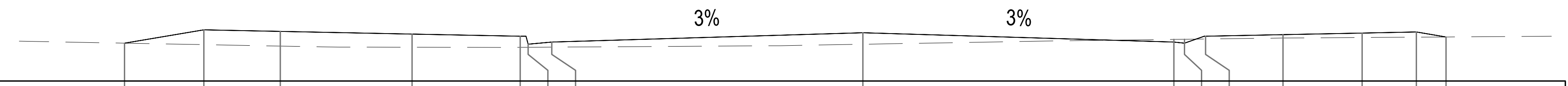
CH 350.000



DATUM RL.4.0

DESIGN LEVEL	4.590	4.933	4.904	4.854	4.813	4.663	4.703	4.880	4.703	4.683	4.813	4.843	4.873	4.893	4.861
EXISTING LEVEL	4.590	4.626	4.657	4.675	4.689	4.690	4.693	4.732	4.801	4.804	4.811	4.835	4.850	4.860	4.861
OFFSET	-14.561	-12.500	-11.050	-8.550	-6.500	-6.350	-5.900	0.000	5.900	6.100	6.500	7.970	9.470	10.500	10.692

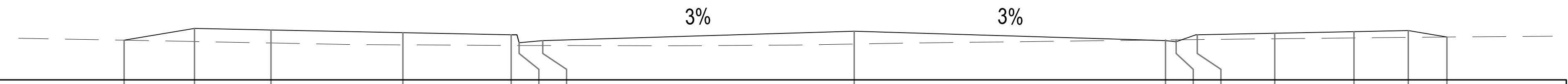
CH 340.000



DATUM RL.4.0

DESIGN LEVEL	4.713	4.963	4.934	4.884	4.843	4.693	4.733	4.910	4.733	4.713	4.843	4.873	4.903	4.923	4.830
EXISTING LEVEL	4.713	4.685	4.658	4.636	4.634	4.635	4.638	4.692	4.784	4.786	4.791	4.809	4.819	4.826	4.830
OFFSET	-14.004	-12.500	-11.050	-8.550	-6.500	-6.350	-5.900	0.000	5.900	6.100	6.500	7.970	9.470	10.500	11.062

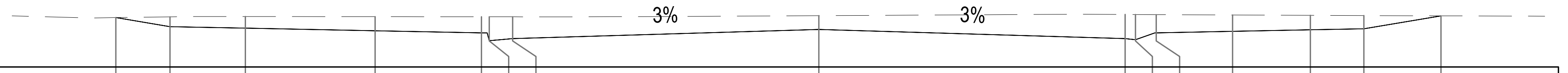
CH 330.000



DATUM RL.4.0

DESIGN LEVEL	4.751	4.973	4.944	4.894	4.853	4.703	4.743	4.920	4.743	4.723	4.853	4.882	4.912	4.933	4.811
EXISTING LEVEL	4.751	4.726	4.698	4.663	4.651	4.651	4.650	4.678	4.756	4.758	4.762	4.778	4.794	4.806	4.811
OFFSET	-13.832	-12.500	-11.050	-8.550	-6.500	-6.350	-5.900	0.000	5.900	6.100	6.500	7.970	9.470	10.500	11.232

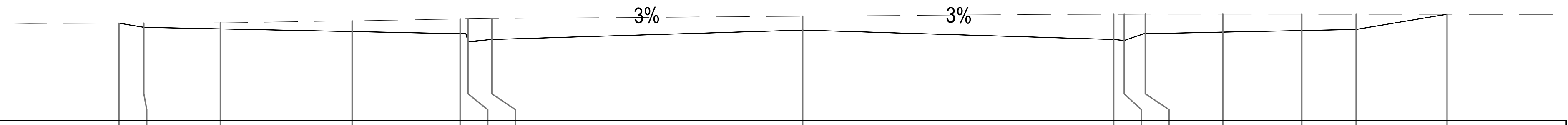
CH 326.747



DATUM RL.4.0

DESIGN LEVEL	4.947	4.773	4.744	4.694	4.653	4.503	4.543	4.720	4.543	4.523	4.653	4.682	4.712	4.733	4.980
EXISTING LEVEL	4.947	4.961	4.967	4.964	4.962	4.962	4.962	4.983	5.006	5.006	5.004	4.997	4.989	4.985	4.980
OFFSET	-13.546	-12.500	-11.050	-8.550	-6.500	-6.350	-5.900	0.000	5.900	6.100	6.500	7.970	9.470	10.500	11.985

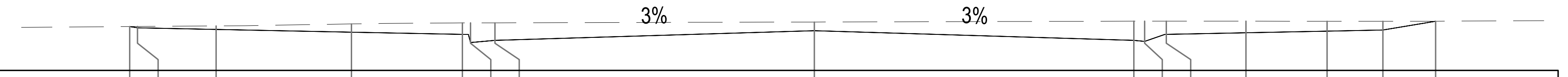
CH 410.000



DATUM RL.3.0

DESIGN LEVEL	4.832	4.753	4.724	4.674	4.633	4.483	4.523	4.700	4.523	4.503	4.633	4.663	4.693	4.713	5.001
EXISTING LEVEL	4.832	4.833	4.838	4.878	4.912	4.914	4.921	4.965	5.002	5.002	5.003	5.004	5.003	5.002	5.001
OFFSET	-12.972	-12.500	-11.050	-8.550	-6.500	-6.350	-5.900	0.000	5.900	6.100	6.500	7.970	9.470	10.500	12.226

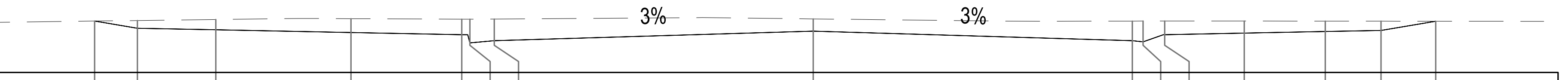
CH 400.000



DATUM RL.4.0

DESIGN LEVEL	4.807	4.783	4.754	4.704	4.663	4.513	4.553	4.730	4.553	4.533	4.663	4.693	4.723	4.743	4.906
EXISTING LEVEL	4.807	4.808	4.819	4.855	4.874	4.875	4.876	4.891	4.906	4.906	4.907	4.906	4.905	4.904	4.906
OFFSET	-12.645	-12.500	-11.050	-8.550	-6.500	-6.350	-5.900	0.000	5.900	6.100	6.500	7.970	9.470	10.500	11.474

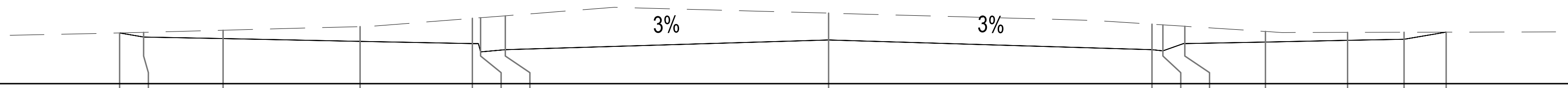
CH 390.000



DATUM RL.4.0

DESIGN LEVEL	4.945	4.813	4.784	4.734	4.693	4.543	4.583	4.760	4.583	4.563	4.693	4.723	4.753	4.773	4.942
EXISTING LEVEL	4.945	4.955	4.974	4.989	4.980	4.979	4.982	4.985	4.944	4.945	4.946	4.945	4.944	4.943	4.942
OFFSET	-13.290	-12.500	-11.050	-8.550	-6.500	-6.350	-5.900	0.000	5.900	6.100	6.500	7.970	9.470	10.500	11.512

CH 380.000



DATUM RL.4.0

DESIGN LEVEL	4.916	4.843	4.814	4.764	4.723	4.573	4.613	4.790	4.613	4.593	4.723	4.753	4.783	4.803	4.931
EXISTING LEVEL	4.916	4.927	4.966	5.031	5.180	5.192	5.227	5.274	5.075	5.063	5.037	4.943	4.927	4.929	4.931
OFFSET	-12.937	-12.500	-11.050	-8.550	-6.500	-6.350	-5.900	0.000	5.900	6.100	6.500	7.970	9.470	10.500	11.268

CH 370.000

CONTROL LINE MC01

ANNOTATED CROSS SECTIONS

SCALE 1:100

1:100 1 0 1 2 3 4 5 A1
1:200 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
A4
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Coordinate System
MGA/20-Zone 55
Datum
mAHD

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Client/Project
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STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:49:43+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title MC01 ANNOTATED CROSS SECTIONS

SHEET 1 OF 3

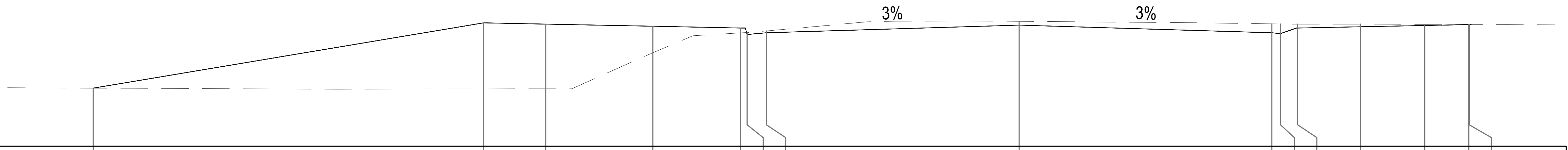
Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000220

Revision
P01

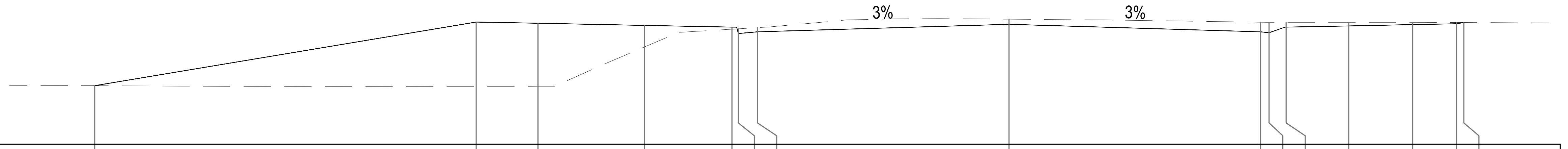
ORIGINAL SHEET - ISO A1



DATUM RL.2.0

DESIGN LEVEL	3.351	4.870	4.841	4.791	4.750	4.600	4.640	4.817	4.640	4.620	4.750	4.780	4.810	4.830	4.832
EXISTING LEVEL	3.351	3.334	3.335	4.173	4.638	4.647	4.682	4.905	4.847	4.844	4.841	4.840	4.836	4.832	4.832
OFFSET	-21.613	-12.500	-11.051	-8.551	-6.500	-6.350	-5.900	0.000	5.900	6.100	6.500	7.970	9.470	10.499	10.508

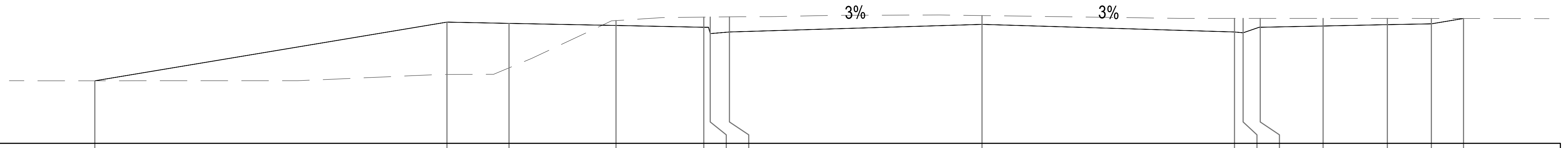
CH 442.477



DATUM RL.2.0

DESIGN LEVEL	3.371	4.863	4.834	4.784	4.743	4.593	4.633	4.810	4.633	4.613	4.743	4.772	4.802	4.823	4.851
EXISTING LEVEL	3.371	3.357	3.358	4.279	4.695	4.704	4.731	4.930	4.859	4.856	4.856	4.856	4.856	4.852	4.851
OFFSET	-21.449	-12.500	-11.050	-8.550	-6.500	-6.350	-5.900	0.000	5.900	6.100	6.500	7.970	9.470	10.500	10.670

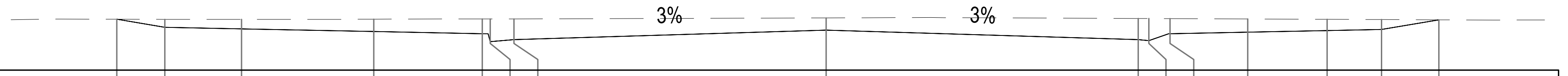
CH 440.000



DATUM RL.2.0

DESIGN LEVEL	3.461	4.833	4.804	4.754	4.713	4.563	4.603	4.780	4.603	4.583	4.713	4.742	4.772	4.793	4.918
EXISTING LEVEL	3.461	3.609	3.764	4.868	4.948	4.950	4.955	4.985	4.919	4.919	4.919	4.919	4.918	4.918	4.918
OFFSET	-20.728	-12.500	-11.050	-8.550	-6.500	-6.350	-5.900	0.000	5.900	6.100	6.500	7.970	9.470	10.500	11.251

CH 430.000



DATUM RL.4.0

DESIGN LEVEL	4.954	4.803	4.774	4.724	4.683	4.533	4.573	4.750	4.573	4.553	4.683	4.712	4.742	4.763	4.943
EXISTING LEVEL	4.954	4.951	4.950	4.955	4.959	4.959	4.958	4.979	4.968	4.967	4.966	4.959	4.952	4.948	4.943
OFFSET	-13.409	-12.500	-11.050	-8.550	-6.500	-6.350	-5.900	0.000	5.900	6.100	6.500	7.970	9.470	10.500	11.582

CH 420.000

CONTROL LINE MC01

ANNOTATED CROSS SECTIONS

SCALE 1:100

1:100 1 0 1 2 3 4 5 A1
1:200 A3

Issued/Revision		By	Appd	YYYY.MM.DD
P01	ISSUED FOR TENDER	GC	GJ	2026.08.07

Issue Status
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Coordinate System
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STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:50:01+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title MC01 ANNOTATED CROSS SECTIONS

SHEET 2 OF 3

Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000221

Revision
P01

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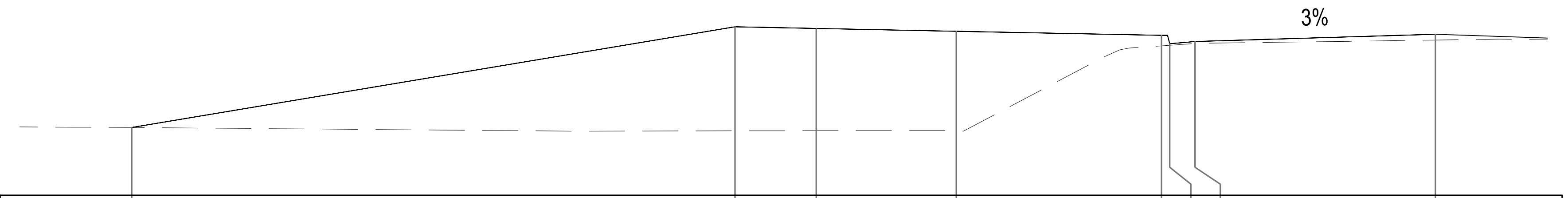
Plotted: McGuiness, Ryan Date: 7/08/2026 2:02:22 PM

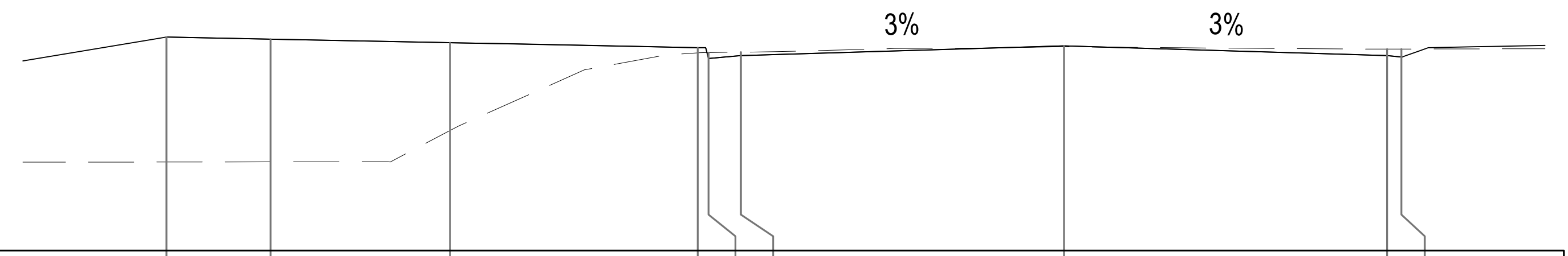
ORIGINAL SHEET - ISO A1



DATUM RL.2.0

DESIGN LEVEL	3.209	5.003	4.974	4.924	4.851	4.701	4.741	4.870
EXISTING LEVEL	3.209	3.149	3.152	3.157	4.664	4.674	4.705	4.767
OFFSET	-23.267	-12.500	-11.051	-8.551	-4.890	-4.740	-4.290	0.000

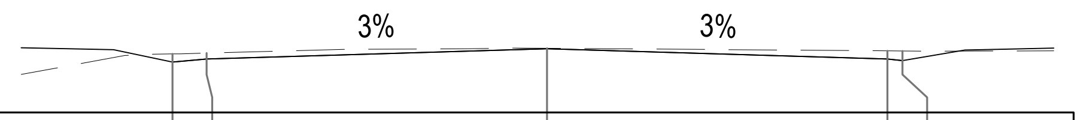
CH 460.000



DATUM RL.2.0

DESIGN LEVEL	4.970	4.941	4.891	4.822	4.672	4.712	4.847	4.712	4.692
EXISTING LEVEL	3.231	3.233	3.670	4.751	4.754	4.760	4.833	4.803	4.803
OFFSET	-12.500	-11.051	-8.551	-5.100	-4.950	-4.500	0.000	4.500	4.700

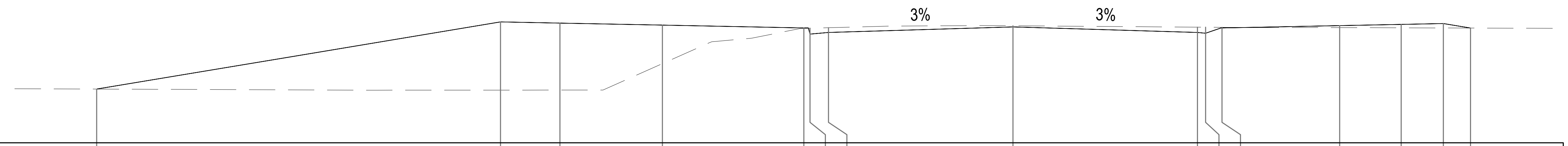
CH 452.477



DATUM RL.4.0

DESIGN LEVEL	4.665	4.705	4.840	4.705	4.685
EXISTING LEVEL	4.772	4.783	4.847	4.813	4.812
OFFSET	-4.950	-4.500	0.000	4.500	4.700

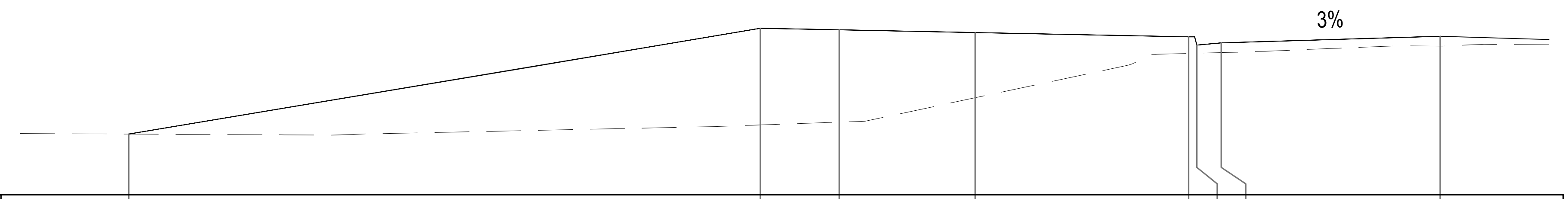
CH 450.000



DATUM RL.2.0

DESIGN LEVEL	3.313	4.955	4.926	4.876	4.807	4.657	4.697	4.832	4.697	4.677	4.807	4.865	4.895	4.915	4.805
EXISTING LEVEL	3.313	3.288	3.289	3.935	4.796	4.801	4.813	4.861	4.827	4.825	4.822	4.815	4.810	4.807	4.805
OFFSET	-22.351	-12.500	-11.051	-8.551	-5.100	-4.950	-4.500	0.000	4.500	4.700	5.100	7.970	9.470	10.499	11.161

CH 447.477



DATUM RL.2.0

DESIGN LEVEL	3.109	5.045	5.016	4.966	4.887	4.737	4.777	4.898
EXISTING LEVEL	3.109	3.276	3.328	3.773	4.584	4.588	4.599	4.719
OFFSET	-24.114	-12.500	-11.051	-8.551	-4.625	-4.475	-4.025	0.000

CH 469.491

CONTROL LINE MC01

ANNOTATED CROSS SECTIONS

SCALE 1:100

U:\304702009\technical\drawings\working\Separable Portion 2\304702009-STN-02-007-DR-CI-000220-000229.dwg
Plotted: McGuiness, Ryan Date: 7/08/2026 2:02:29 PM

1:100 1 0 1 2 3 4 5 A1
1:200 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
A4
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Coordinate System
MGA/20-Zone 55
Datum
mAHD

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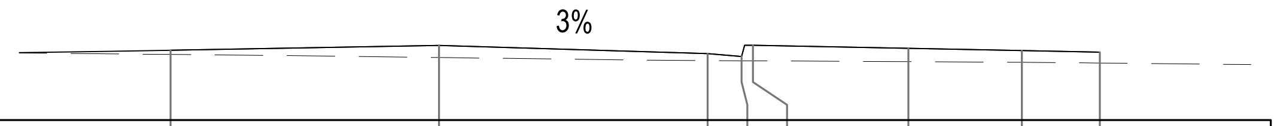
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:50:12+10'00'

			GC	GC	GJ	BM	2026.08.07
Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title MC01 ANNOTATED CROSS SECTIONS
SHEET 3 OF 3
Project No. 304702009
Scale at A1 AS SHOWN
Drawing No. 304702009-02-007-DR-CI-000222
Revision P01

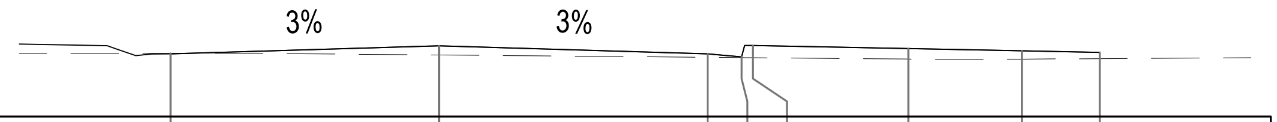
ORIGINAL SHEET - ISO A1



DATUM RL.3.0

DESIGN LEVEL	3.920	3.983	3.876	3.836	3.986	3.945	3.915	3.895
EXISTING LEVEL	3.864	3.824	3.784	3.781	3.780	3.769	3.761	3.751
OFFSET	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736

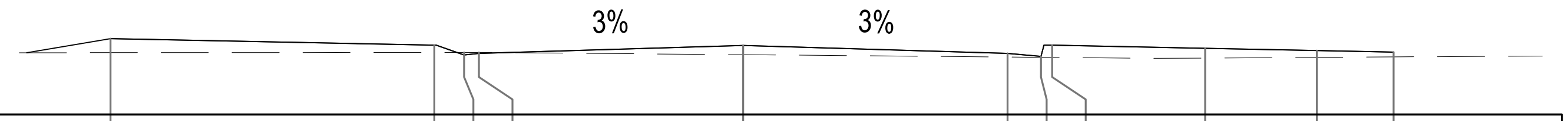
CH 30.000



DATUM RL.3.0

DESIGN LEVEL	3.826	3.933	3.826	3.786	3.936	3.895	3.865	3.845
EXISTING LEVEL	3.833	3.811	3.780	3.776	3.775	3.758	3.757	3.763
OFFSET	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736

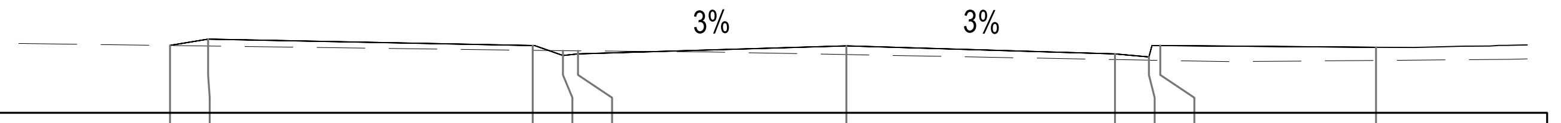
CH 20.000



DATUM RL.3.0

DESIGN LEVEL	4.011	3.924	3.794	3.814	3.921	3.814	3.774	3.924	3.883	3.853	3.832
EXISTING LEVEL	3.824	3.827	3.828	3.828	3.797	3.766	3.762	3.761	3.752	3.761	3.767
OFFSET	-8.500	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.735

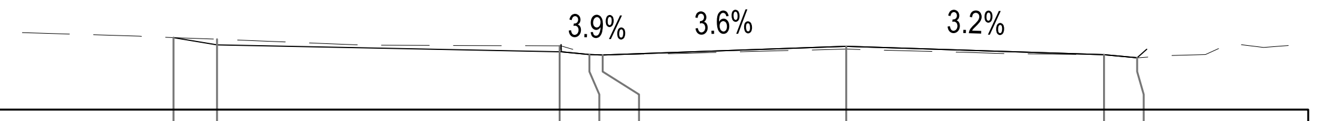
CH 17.538



DATUM RL.3.0

DESIGN LEVEL	3.888	3.972	3.886	3.756	3.776	3.883	3.776	3.736	3.886	3.863
EXISTING LEVEL	3.888	3.881	3.823	3.820	3.818	3.768	3.702	3.694	3.691	3.690
OFFSET	-8.946	-8.441	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	7.002

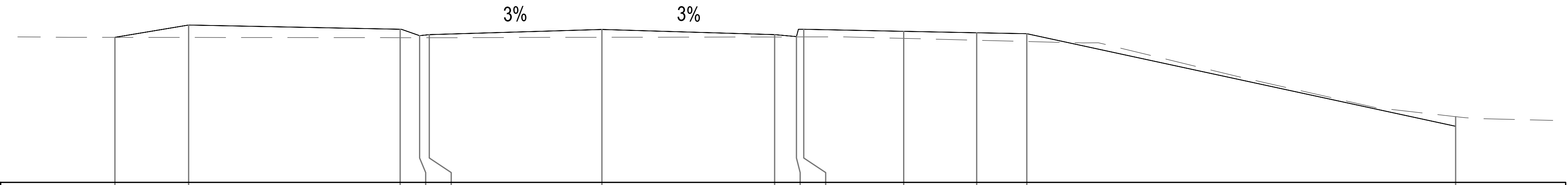
CH 10.000



DATUM RL.3.0

DESIGN LEVEL	3.947	3.851	3.761	3.725	3.718	3.833	3.723	3.681
EXISTING LEVEL	3.947	3.924	3.839	3.725	3.718	3.795	3.723	3.681
OFFSET	-8.899	-8.323	-3.792	-3.398	-3.221	0.000	3.410	3.848

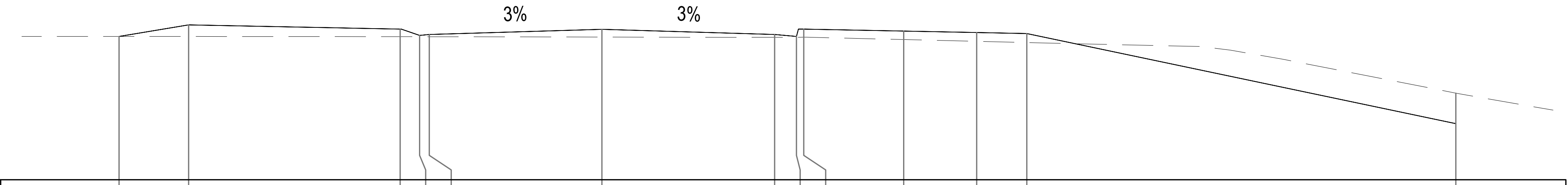
CH 0.000



DATUM RL.1.0

DESIGN LEVEL	3.971	4.223	4.136	4.006	4.026	4.133	4.026	3.986	4.136	4.095	4.065	4.045	2.150
EXISTING LEVEL	3.971	3.969	3.964	3.963	3.963	3.973	3.978	3.979	3.979	3.950	3.912	3.886	2.346
OFFSET	-10.014	-8.500	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736	17.554

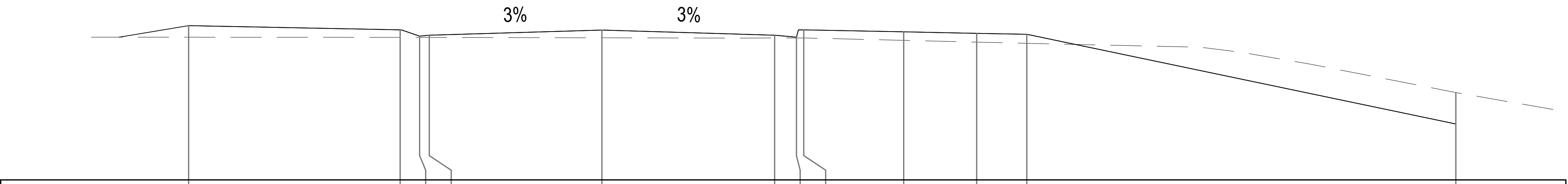
CH 60.000



DATUM RL.1.0

DESIGN LEVEL	3.935	4.173	4.086	3.956	3.976	4.083	3.976	3.936	4.086	4.045	4.015	3.995	2.150
EXISTING LEVEL	3.935	3.935	3.931	3.931	3.930	3.923	3.919	3.920	3.920	3.872	3.836	3.811	2.775
OFFSET	-9.930	-8.500	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736	17.559

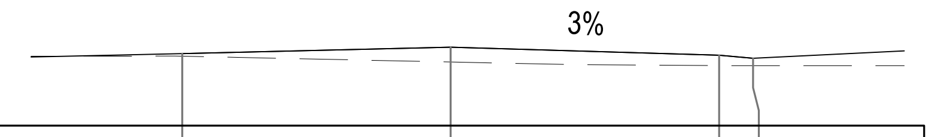
CH 50.000



DATUM RL.1.0

DESIGN LEVEL	4.172	4.085	3.955	3.975	4.081	3.975	3.935	4.085	4.043	4.013	3.993	2.150
EXISTING LEVEL	3.933	3.930	3.929	3.929	3.922	3.917	3.917	3.918	3.869	3.832	3.808	2.796
OFFSET	-8.500	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736	17.559

CH 49.638



DATUM RL.3.0

DESIGN LEVEL	3.948	4.033	3.926	3.886
EXISTING LEVEL	3.914	3.838	3.791	3.790
OFFSET	-3.550	0.000	3.550	4.000

CH 40.000

CONTROL LINE MC02

ANNOTATED CROSS SECTIONS

SCALE 1:100

1:100 1 0 1 2 3 4 5 A1
1:200 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
A4
AUTHORISED FOR TENDER

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Coordinate System
MGA/20-Zone 55
Datum
mAHD

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Client/Project Logo

Client/Project
ECONOMIC DEVELOPMENT QUEENSLAND

OONOONBA PDA
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:50:26+10'00'

			GC	GC	GJ	BM	2026.08.07
Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title MC02 ANNOTATED CROSS SECTIONS

SHEET 1 OF 7

Project No.
304702009

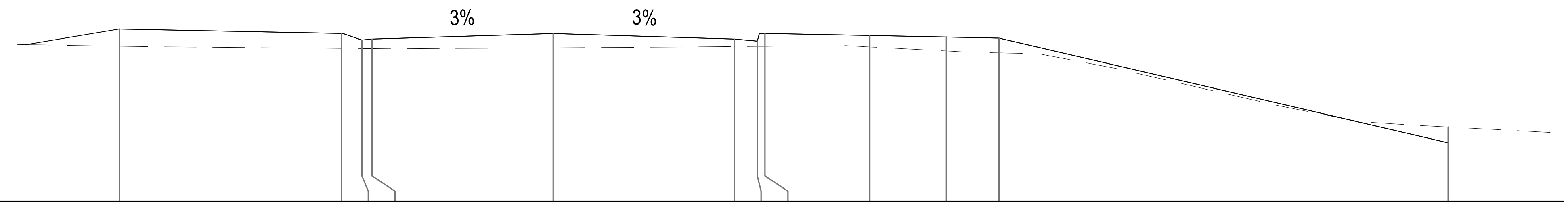
Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000223

Revision
P01

U:\304702009\technical\drawings\working\Separable Portion 2\304702009-STN-02-007-DR-CI-000220-000229.dwg
Plotted: McGuiness, Ryan Date: 7/08/2026 2:02:44 PM

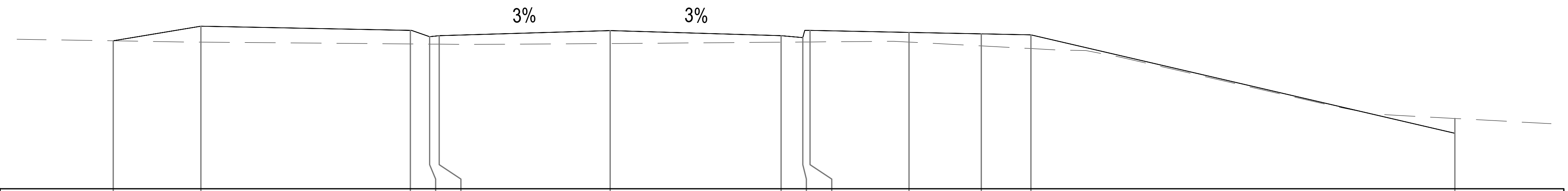
ORIGINAL SHEET - ISO A1



DATUM RL.1.0

DESIGN LEVEL	4.384	4.297	4.167	4.187	4.293	4.187	4.147	4.297	4.256	4.226	4.205	2.150
EXISTING LEVEL	4.047	4.004	4.001	3.999	4.015	4.040	4.044	4.045	4.032	3.952	3.915	2.461
OFFSET	-8.500	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736	17.539

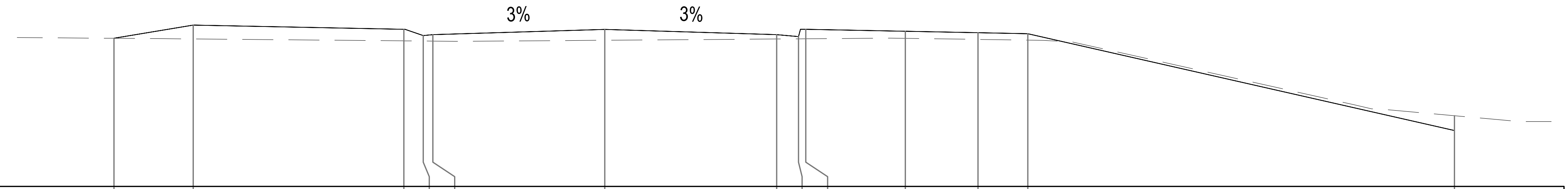
CH 92.090



DATUM RL.1.0

DESIGN LEVEL	4.070	4.373	4.286	4.156	4.176	4.283	4.176	4.136	4.286	4.245	4.215	4.195	2.150
EXISTING LEVEL	4.070	4.043	4.005	4.002	4.000	4.013	4.042	4.045	4.046	4.044	3.964	3.909	2.458
OFFSET	-10.319	-8.500	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736	17.540

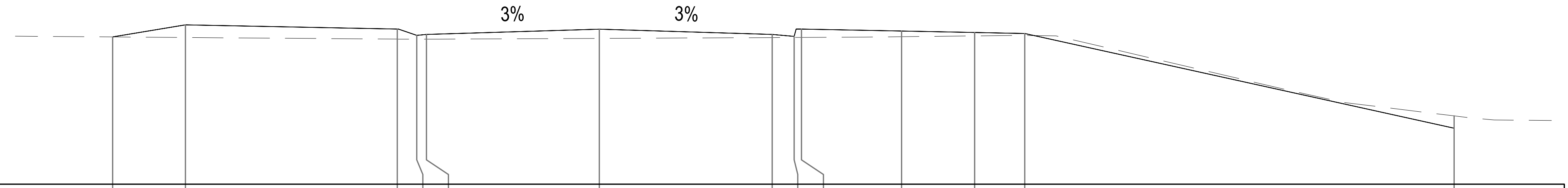
CH 90.000



DATUM RL.1.0

DESIGN LEVEL	4.051	4.323	4.236	4.106	4.126	4.233	4.126	4.086	4.236	4.195	4.165	4.145	2.150
EXISTING LEVEL	4.051	4.038	3.998	3.994	3.993	4.010	4.036	4.039	4.041	4.050	4.028	4.013	2.455
OFFSET	-10.134	-8.500	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736	17.545

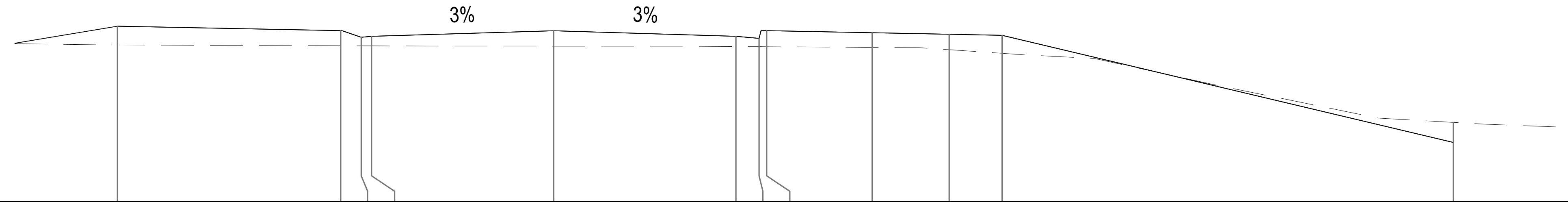
CH 80.000



DATUM RL.1.0

DESIGN LEVEL	4.024	4.273	4.186	4.056	4.076	4.183	4.076	4.036	4.186	4.145	4.115	4.095	2.150
EXISTING LEVEL	4.024	4.013	3.980	3.977	3.978	3.994	4.011	4.013	4.014	4.029	4.045	4.055	2.403
OFFSET	-9.994	-8.500	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736	17.550

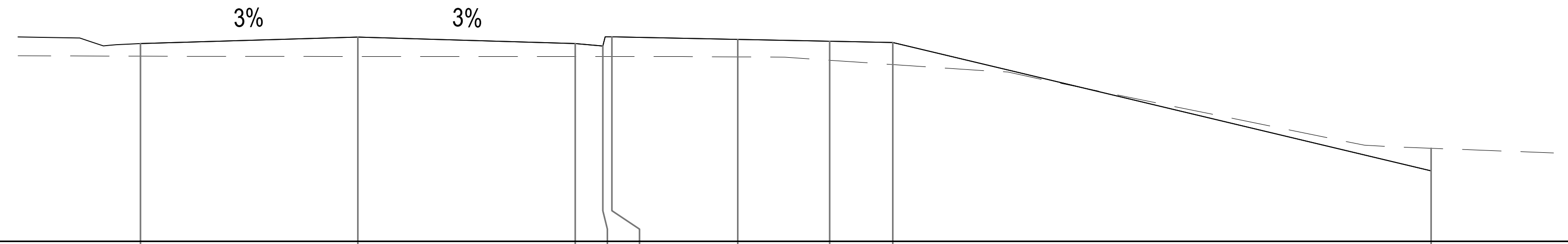
CH 70.000



DATUM RL.1.0

DESIGN LEVEL	4.414	4.327	4.197	4.217	4.323	4.217	4.177	4.327	4.286	4.256	4.235	2.150
EXISTING LEVEL	4.048	4.032	4.030	4.029	4.025	4.017	4.014	4.013	4.001	3.955	3.885	2.540
OFFSET	-8.500	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736	17.525

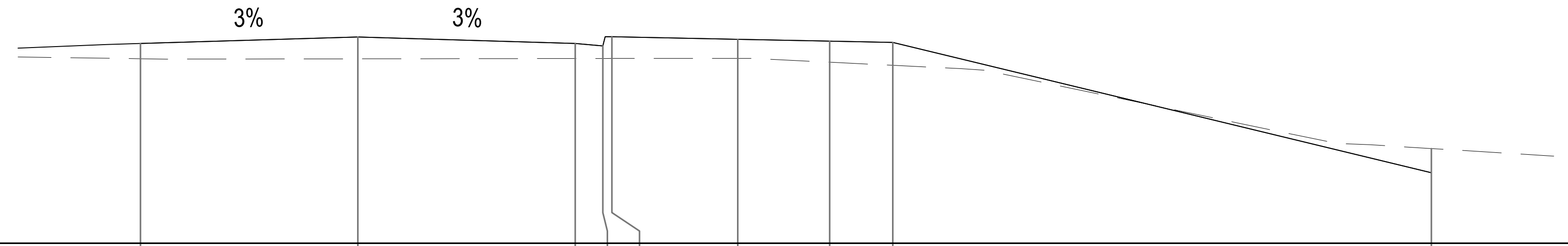
CH 123.090



DATUM RL.1.0

DESIGN LEVEL	4.226	4.333	4.226	4.186	4.336	4.295	4.265	4.245	2.150
EXISTING LEVEL	4.021	4.016	4.015	4.015	4.015	4.009	3.955	3.885	2.518
OFFSET	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736	17.526

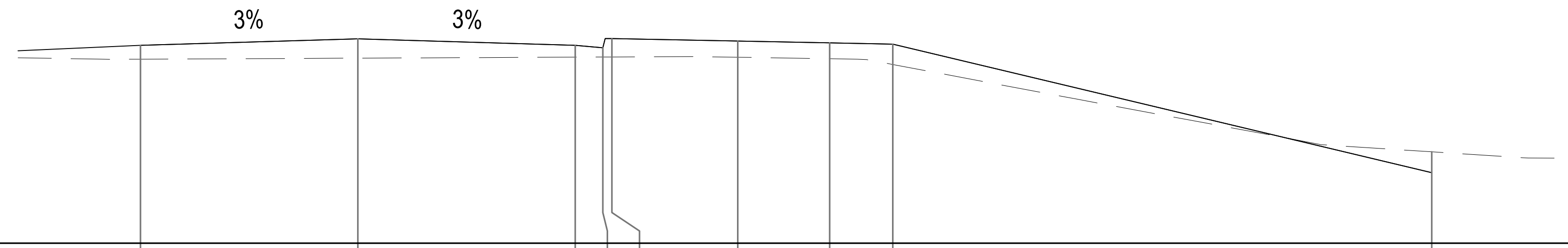
CH 120.000



DATUM RL.1.0

DESIGN LEVEL	4.257	4.363	4.257	4.217	4.367	4.326	4.296	4.275	2.150
EXISTING LEVEL	4.009	4.007	4.012	4.013	4.013	4.015	3.952	3.901	2.544
OFFSET	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736	17.531

CH 110.000



DATUM RL.1.0

DESIGN LEVEL	4.226	4.333	4.226	4.186	4.336	4.295	4.265	4.245	2.150
EXISTING LEVEL	4.000	4.017	4.033	4.036	4.036	4.032	4.008	3.914	2.489
OFFSET	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736	17.536

CH 100.000

CONTROL LINE MC02

ANNOTATED CROSS SECTIONS

SCALE 1:100

1:100 1 0 1 2 3 4 5 A1
1:200 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
A4
AUTHORISED FOR TENDER

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Coordinate System
MGA/20-Zone 55
Datum
mAHD

Colour Disclaimer
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Client/Project Logo
DELIVERING FOR QUEENSLAND
Queensland Government

Client/Project
ECONOMIC DEVELOPMENT QUEENSLAND
OONOONBA PDA
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:50:45+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title MC02 ANNOTATED CROSS SECTIONS

SHEET 2 OF 7

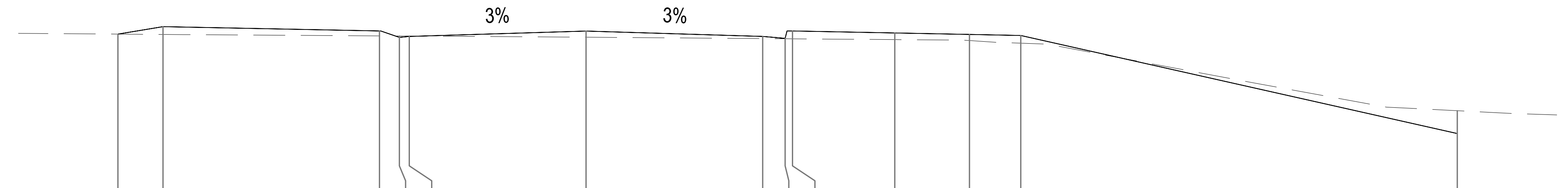
Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000224

Revision
P01

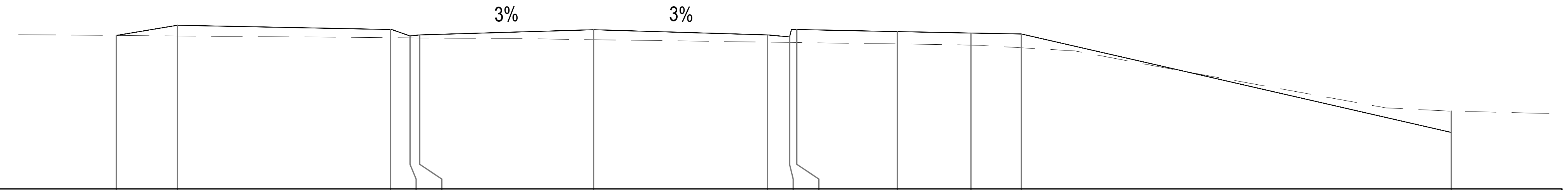
U:\304702009\technical\drawings\working\Separable Portion 2\304702009-STN-02-007-DR-CI-000220-000229.dwg
Plotted: McGuiness, Ryan Date: 7/08/2026 2:02:51 PM
ORIGINAL SHEET - ISO A1



DATUM RL.1.0

DESIGN LEVEL	4.150	4.301	4.214	4.084	4.104	4.211	4.104	4.064	4.214	4.173	4.143	4.123	2.150
EXISTING LEVEL	4.150	4.143	4.115	4.112	4.111	4.088	4.060	4.056	4.055	4.039	4.021	3.967	2.609
OFFSET	-9.405	-8.499	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736	17.508

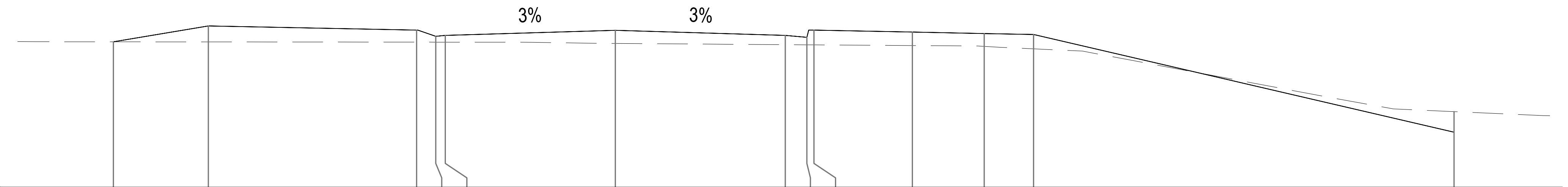
CH 160.000



DATUM RL.1.0

DESIGN LEVEL	4.124	4.332	4.245	4.115	4.135	4.241	4.135	4.095	4.245	4.204	4.174	4.153	2.150
EXISTING LEVEL	4.124	4.114	4.079	4.076	4.074	4.037	3.988	3.982	3.980	3.952	3.928	3.873	2.583
OFFSET	-9.746	-8.499	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736	17.512

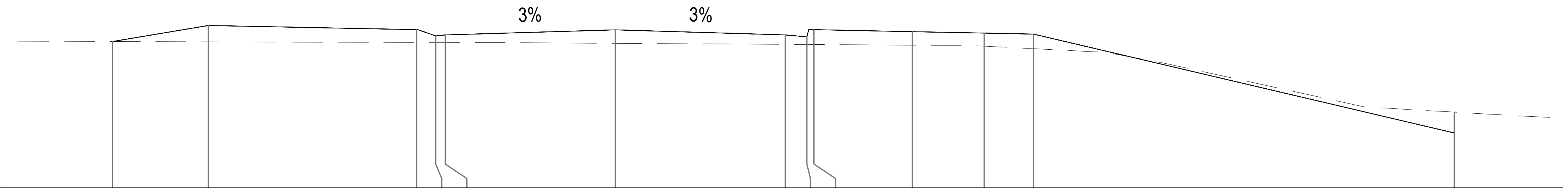
CH 150.000



DATUM RL.1.0

DESIGN LEVEL	4.032	4.362	4.275	4.145	4.165	4.272	4.165	4.125	4.275	4.234	4.204	4.184	2.150
EXISTING LEVEL	4.032	4.030	4.025	4.024	4.024	3.997	3.972	3.969	3.968	3.954	3.936	3.885	2.578
OFFSET	-10.482	-8.499	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736	17.517

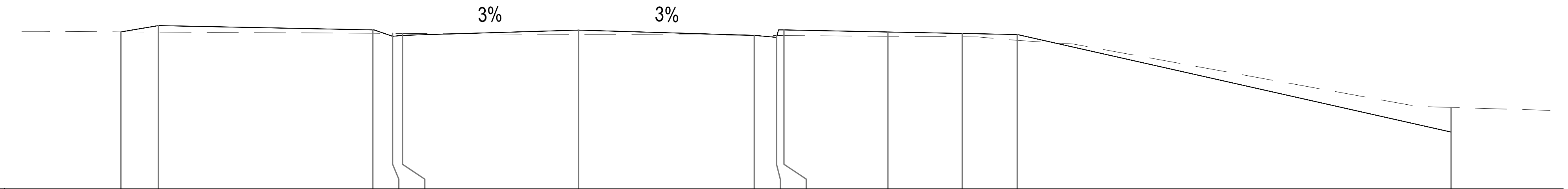
CH 140.000



DATUM RL.1.0

DESIGN LEVEL	4.059	4.393	4.306	4.176	4.196	4.302	4.196	4.156	4.306	4.265	4.235	4.214	2.150
EXISTING LEVEL	4.059	4.053	4.038	4.037	4.037	4.021	4.000	3.997	3.996	3.983	3.962	3.910	2.585
OFFSET	-10.500	-8.499	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	6.205	7.705	8.736	17.522

CH 130.000



DATUM RL.1.0

DESIGN LEVEL	4.172	4.298	4.212	4.082	4.102	4.208	4.102	4.062	4.212	4.170	4.140	4.117	2.150
EXISTING LEVEL	4.172	4.168	4.143	4.140	4.139	4.121	4.102	4.099	4.098	4.083	4.072	4.001	2.647
OFFSET	-9.233	-8.477	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	6.248	7.748	8.858	17.615

CH 170.000

CONTROL LINE MC02

ANNOTATED CROSS SECTIONS

SCALE 1:100

U:\304702009\technical\drawings\working\Separable Portion 2\304702009-STN-02-007-DR-CI-000220-000229.dwg
Plotted: McGuiness, Ryan Date: 7/08/2026 2:02:58 PM

1:100 1 0 1 2 3 4 5 A1
1:200 A3

ORIGINAL SHEET - ISO A1

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
A4
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Coordinate System
MGA/20-Zone 55
Datum
mAHD

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Queensland Government

Client/Project
ECONOMIC DEVELOPMENT QUEENSLAND

OONOONBA PDA
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:51:00+10'00'

			GC	GC	GJ	BM	2026.08.07
Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title MC02 ANNOTATED CROSS SECTIONS

SHEET 3 OF 7

Project No.
304702009

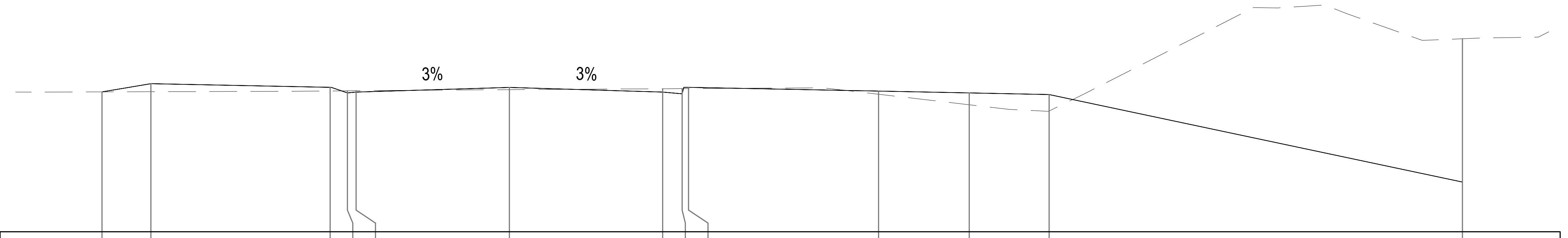
Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000225

Revision
P01

1 2 3 4 5

C

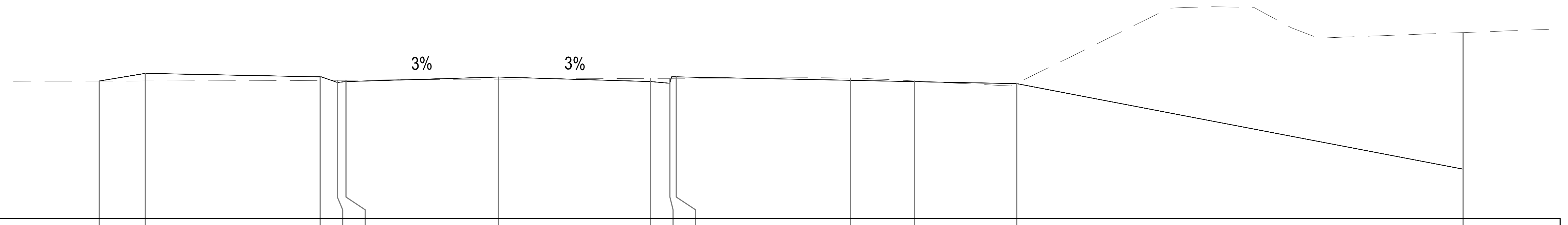


DATUM RL.1.0

DESIGN LEVEL	4.241	4.430	4.347	4.217	4.237	4.343	4.237	4.197	4.347	4.259	4.217	4.180	2.150
EXISTING LEVEL	4.241	4.244	4.261	4.265	4.267	4.291	4.313	4.315	4.316	4.185	3.942	3.798	5.472
OFFSET	-9.433	-8.300	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	8.550	10.650	12.500	22.071

CH 200.000

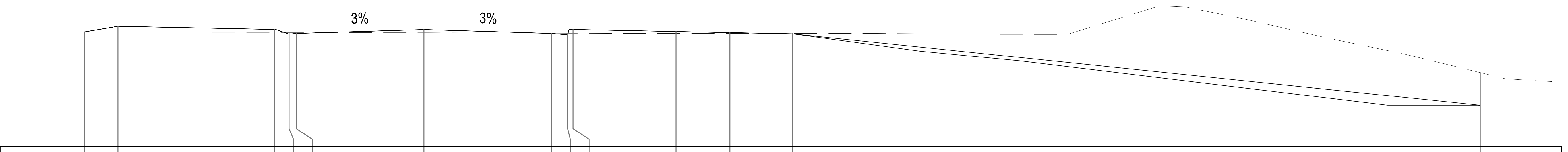
B



DATUM RL.1.0

DESIGN LEVEL	4.204	4.383	4.302	4.172	4.192	4.298	4.192	4.152	4.302	4.221	4.191	4.143	2.150
EXISTING LEVEL	4.204	4.206	4.219	4.222	4.224	4.248	4.264	4.266	4.267	4.273	4.205	4.154	5.334
OFFSET	-9.301	-8.227	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	8.205	9.705	12.086	22.489

CH 190.000



DATUM RL.1.0

DESIGN LEVEL	4.189	4.344	4.257	4.127	4.147	4.253	4.147	4.107	4.257	4.199	4.169	4.134	2.150
EXISTING LEVEL	4.189	4.186	4.174	4.173	4.173	4.165	4.152	4.151	4.150	4.145	4.145	4.146	3.057
OFFSET	-9.444	-8.513	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	7.013	8.513	10.258	29.390

A

CH 180.000

CONTROL LINE MC02

ANNOTATED CROSS SECTIONS

SCALE 1:100

U:\304702009\technical\drawings\working\Separable Portion 2\304702009-STN-02-007-DR-CI-000220-000229.dwg
Plotted: McGuiness, Ryan Date: 7/08/2026 2:03:03 PM

1:100 1 0 1 2 3 4 5 A1
1:200 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
A4
AUTHORISED FOR TENDER

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Coordinate System
MGA/20-Zone 55
Datum
mAHD

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OONOONBA PDA
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:51:31+10'00'

			GC	GC	GJ	BM	2026.08.07
Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title MC02 ANNOTATED CROSS SECTIONS

SHEET 4 OF 7

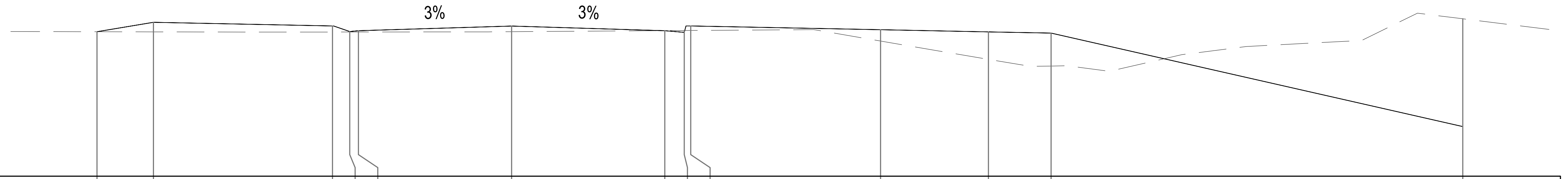
Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000226

Revision
P01

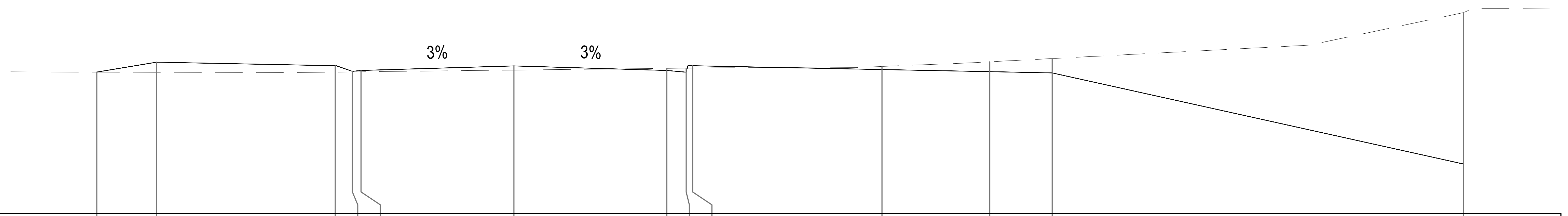
ORIGINAL SHEET - ISO A1



DATUM RL.1.0

DESIGN LEVEL	4.347	4.565	4.482	4.352	4.372	4.478	4.372	4.332	4.482	4.394	4.344	4.315	2.150
EXISTING LEVEL	4.347	4.344	4.340	4.340	4.340	4.347	4.372	4.375	4.376	4.131	3.708	3.552	4.647
OFFSET	-9.607	-8.300	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	8.550	11.050	12.500	22.040

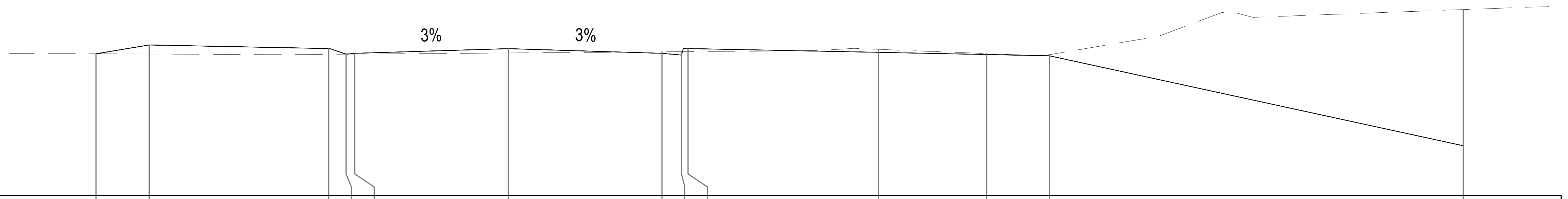
CH 230.000



DATUM RL.1.0

DESIGN LEVEL	4.289	4.520	4.437	4.307	4.327	4.433	4.327	4.287	4.437	4.349	4.299	4.270	2.150
EXISTING LEVEL	4.289	4.285	4.289	4.294	4.296	4.336	4.376	4.381	4.383	4.420	4.529	4.604	5.673
OFFSET	-9.685	-8.300	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	8.550	11.050	12.500	22.050

CH 220.000



DATUM RL.1.0

DESIGN LEVEL	4.270	4.475	4.392	4.262	4.282	4.388	4.282	4.242	4.392	4.304	4.254	4.225	2.150
EXISTING LEVEL	4.270	4.265	4.259	4.262	4.263	4.289	4.315	4.319	4.320	4.374	4.275	4.250	5.291
OFFSET	-9.526	-8.300	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	8.550	11.050	12.500	22.061

CH 210.000

CONTROL LINE MC02

ANNOTATED CROSS SECTIONS

SCALE 1:100

1:100 1 0 1 2 3 4 5 A1
1:200 A3

Issued/Revision		By	Appd	YYYY.MM.DD
P01	ISSUED FOR TENDER	GC	GJ	2026.08.07

Issue Status
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Datum
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STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:51:50+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title MC02 ANNOTATED CROSS SECTIONS

SHEET 5 OF 7

Project No.
304702009

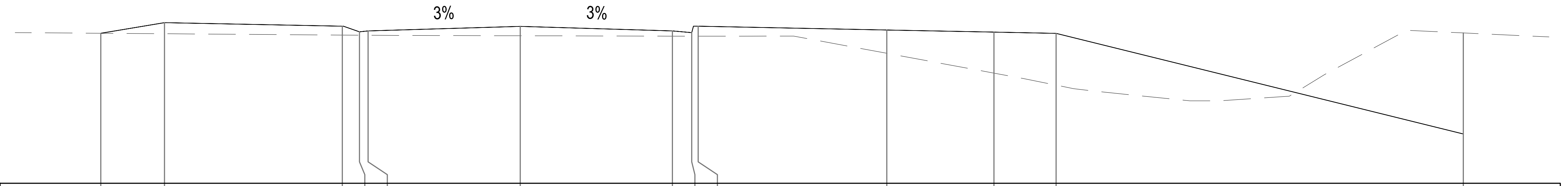
Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000227

Revision
P01

U:\304702009\technical\drawings\working\Separable Portion 2\304702009-STN-02-007-DR-CI-000220-000229.dwg
Plotted: McGuiness, Ryan Date: 7/08/2026 2:03:11 PM

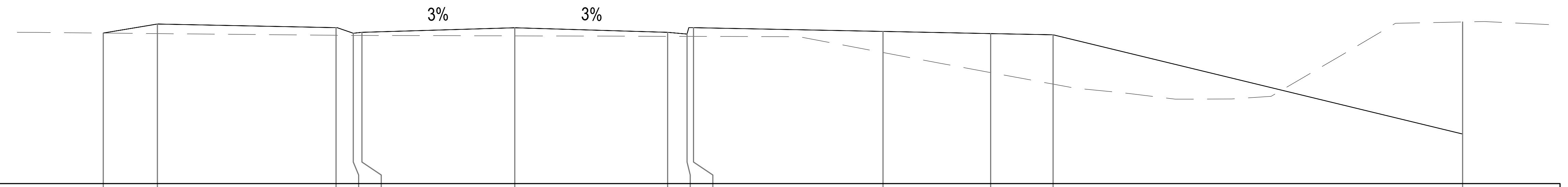
ORIGINAL SHEET - ISO A1



DATUM RL.1.0

DESIGN LEVEL	4.497	4.745	4.662	4.532	4.552	4.658	4.552	4.512	4.662	4.574	4.524	4.495	2.150
EXISTING LEVEL	4.497	4.486	4.455	4.452	4.450	4.439	4.430	4.429	4.428	4.030	3.568	3.288	4.505
OFFSET	-9.785	-8.300	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	8.550	11.050	12.500	22.000

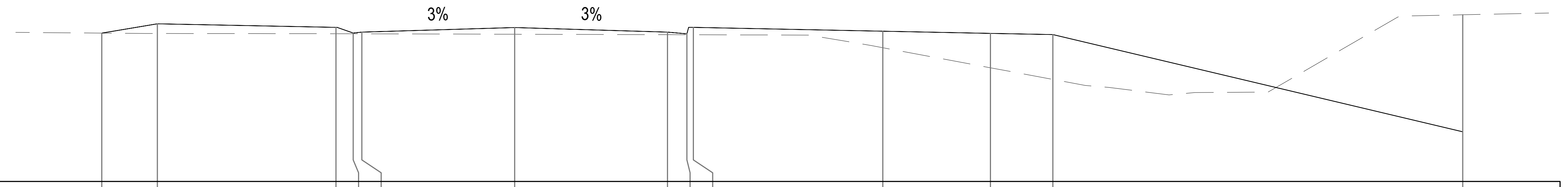
CH 270.000



DATUM RL.1.0

DESIGN LEVEL	4.490	4.700	4.617	4.487	4.507	4.613	4.507	4.467	4.617	4.529	4.479	4.450	2.150
EXISTING LEVEL	4.490	4.478	4.439	4.436	4.435	4.426	4.415	4.414	4.413	4.039	3.574	3.307	4.748
OFFSET	-9.556	-8.300	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	8.550	11.050	12.500	22.010

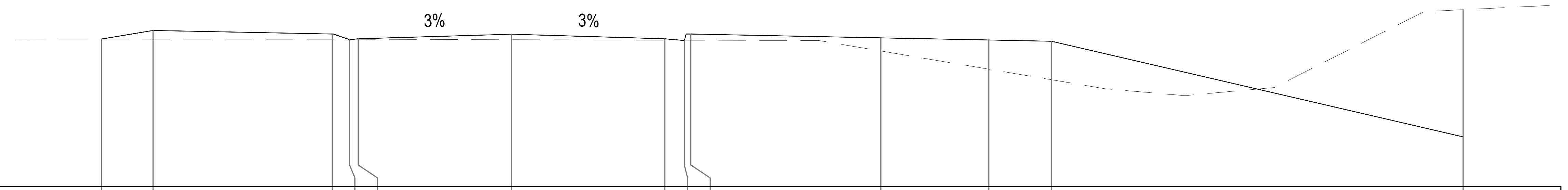
CH 260.000



DATUM RL.1.0

DESIGN LEVEL	4.439	4.655	4.572	4.442	4.462	4.568	4.462	4.422	4.572	4.484	4.434	4.405	2.150
EXISTING LEVEL	4.439	4.431	4.425	4.424	4.424	4.413	4.403	4.401	4.401	4.101	3.636	3.366	4.864
OFFSET	-9.591	-8.300	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	8.550	11.050	12.500	22.020

CH 250.000



DATUM RL.1.0

DESIGN LEVEL	4.410	4.610	4.527	4.397	4.417	4.523	4.417	4.377	4.527	4.439	4.389	4.360	2.150
EXISTING LEVEL	4.410	4.409	4.406	4.407	4.406	4.396	4.385	4.384	4.384	4.134	3.714	3.471	5.089
OFFSET	-9.498	-8.300	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	8.550	11.050	12.500	22.030

CH 240.000

CONTROL LINE MC02

ANNOTATED CROSS SECTIONS

SCALE 1:100

U:\304702009\technical\drawings\working\Separable Portion 2\304702009-STN-02-007-DR-CI-000220-000229.dwg
Plotted: McGuiness, Ryan Date: 7/08/2026 2:03:17 PM

1:100 1 0 1 2 3 4 5 A1
1:200 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
A4
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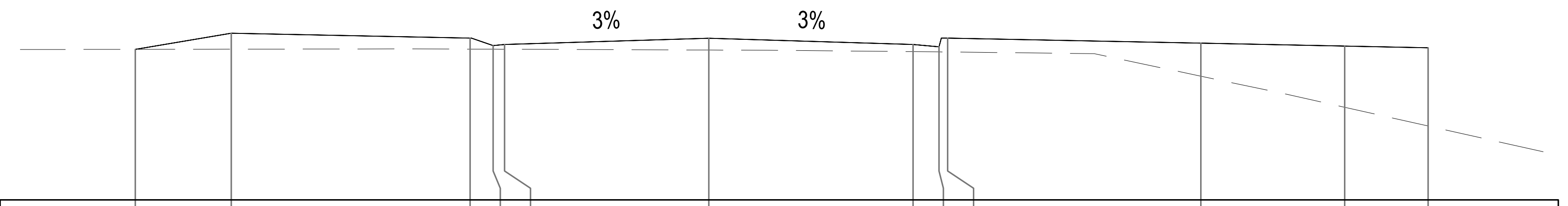
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:52:24+10'00'

			GC	GC	GJ	BM	2026.08.07
Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title MC02 ANNOTATED CROSS SECTIONS
SHEET 6 OF 7
Project No. 304702009
Scale at A1 AS SHOWN
Drawing No. 304702009-02-007-DR-CI-000228
Revision P01

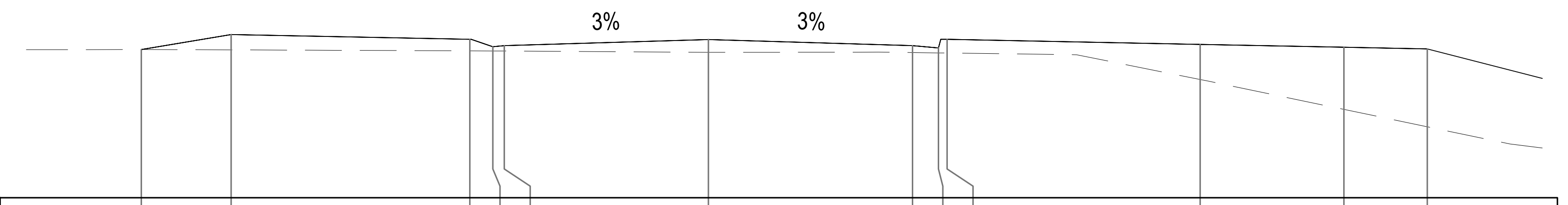
ORIGINAL SHEET - ISO A1



DATUM RL.2.0

DESIGN LEVEL	4.602	4.880	4.797	4.667	4.687	4.793	4.687	4.647	4.797	4.709	4.659	4.630
EXISTING LEVEL	4.602	4.604	4.606	4.605	4.604	4.590	4.562	4.558	4.556	4.138	3.600	3.276
OFFSET	-9.968	-8.299	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	8.550	11.050	12.500

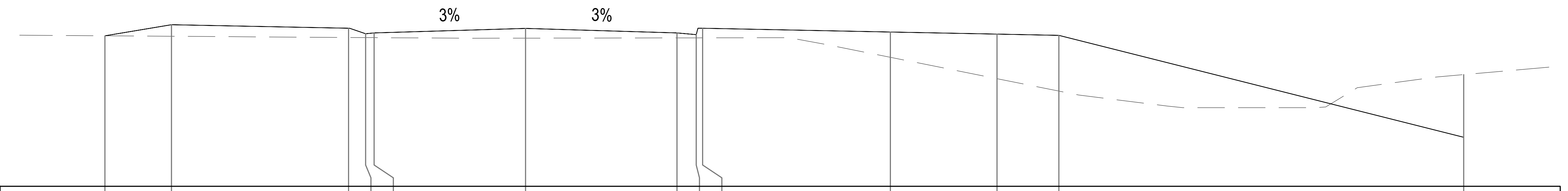
CH 300.000



DATUM RL.2.0

DESIGN LEVEL	4.574	4.835	4.752	4.622	4.642	4.748	4.642	4.602	4.752	4.664	4.614	4.585
EXISTING LEVEL	4.574	4.568	4.550	4.549	4.548	4.526	4.521	4.515	4.513	4.053	3.534	3.232
OFFSET	-9.861	-8.300	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	8.550	11.050	12.500

CH 290.000



DATUM RL.1.0

DESIGN LEVEL	4.530	4.790	4.707	4.577	4.597	4.703	4.597	4.557	4.707	4.619	4.569	4.540	2.150
EXISTING LEVEL	4.530	4.518	4.489	4.487	4.486	4.474	4.480	4.481	4.481	4.025	3.524	3.233	3.619
OFFSET	-9.860	-8.300	-4.150	-3.750	-3.550	0.000	3.550	4.000	4.150	8.550	11.050	12.500	21.990

CH 280.000

CONTROL LINE MC02

ANNOTATED CROSS SECTIONS

SCALE 1:100

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Plotted: McGuiness, Ryan Date: 7/08/2026 2:03:24 PM

1:100 1 0 1 2 3 4 5 A1
1:200 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
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MGA/20-Zone 55
Datum
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STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:52:59+10'00'

			GC	GC	GJ	BM	2026.08.07
Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title MC02 ANNOTATED CROSS SECTIONS
SHEET 7 OF 7

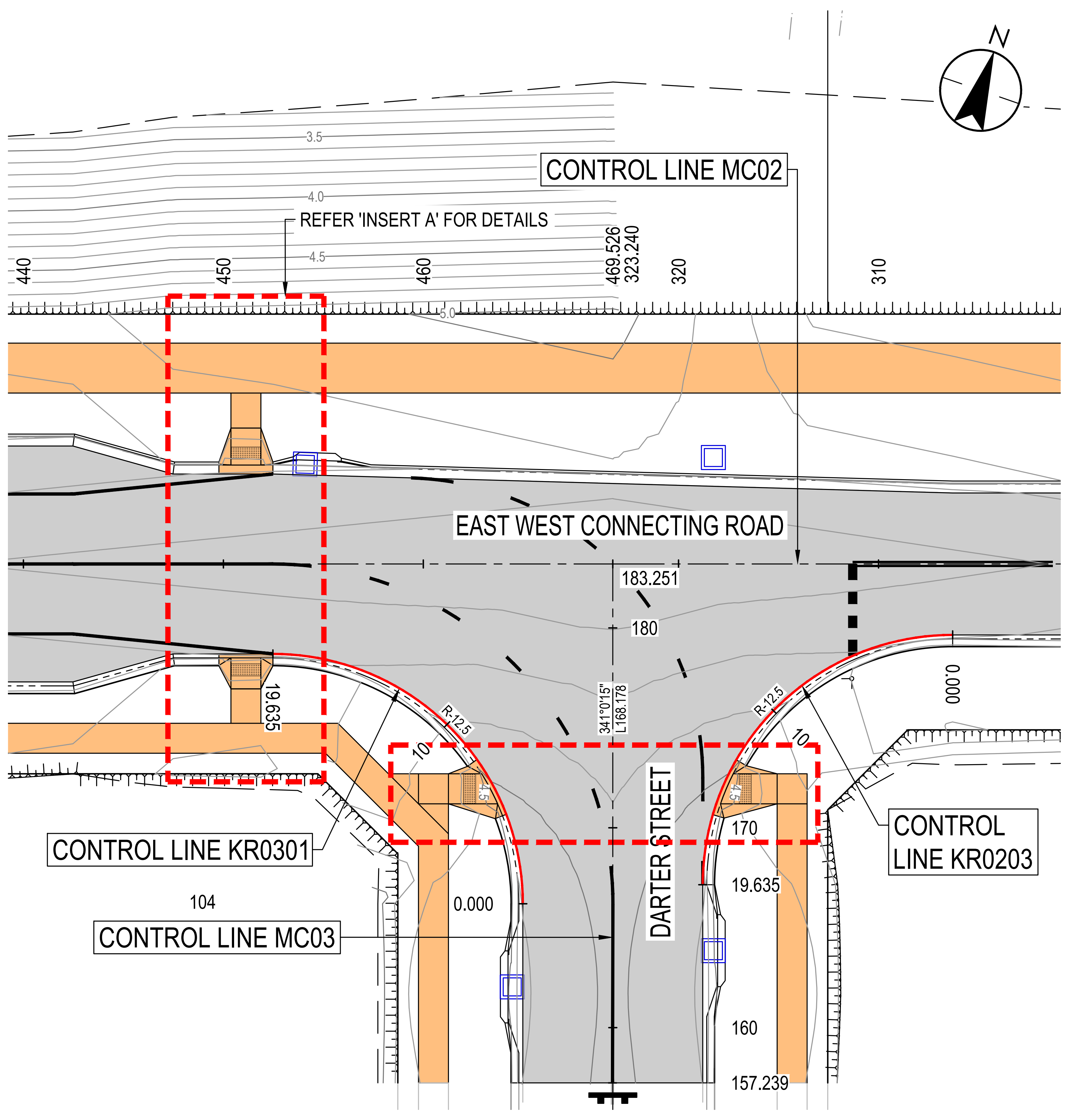
Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000229

Revision
P01

ORIGINAL SHEET - ISO A1



LAYOUT PLAN

SCALE 1:200

LEGEND:

- DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
- DESIGN CONTOUR - MINOR (0.1m INTERVAL)
- 🟧 PROPOSED PATHWAY AS PER TCC STD DWG SD-075
- PROPOSED CONTROL LINE
- ▨ ASPHALT PAVEMENT

NOTE:

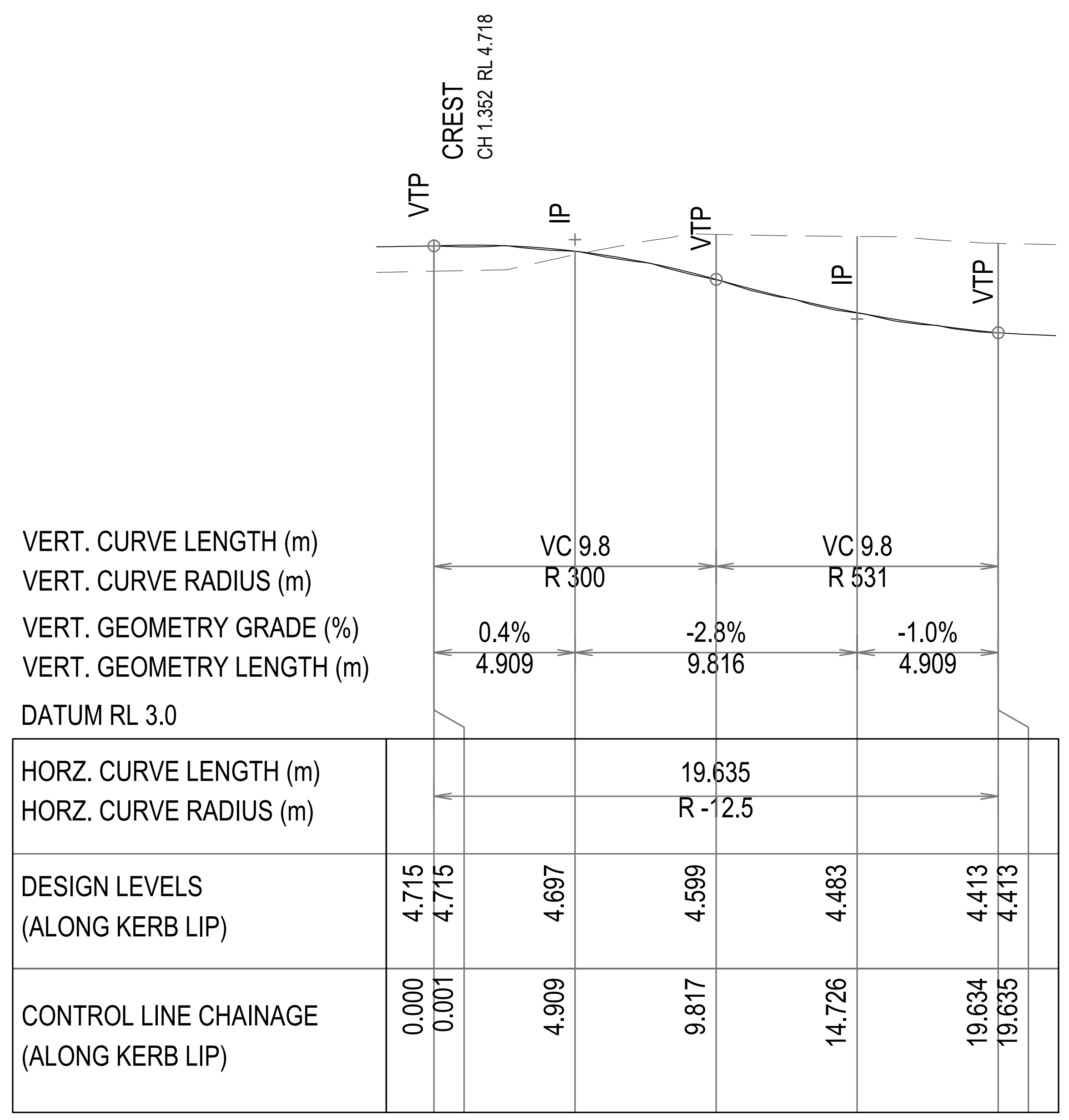
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.
2. FOR ROAD LONGITUDINAL SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000210-000214.
3. FOR ROAD CROSS SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000220-000227.

SETOUT POINTS

PT No.	EASTING	NORTHING	RL.
1	480256.739	7867322.810	4.897
2	480258.158	7867323.298	4.900
3	480258.924	7867323.952	4.836
4	480258.938	7867323.973	4.836
5	480259.157	7867324.277	4.707
6	480259.274	7867324.439	4.727
7	480259.729	7867323.839	4.707
8	480260.970	7867322.680	4.702
9	480261.553	7867322.322	4.718
10	480261.400	7867322.193	4.698
11	480261.112	7867321.953	4.828
12	480261.093	7867321.936	4.828
13	480258.646	7867321.880	4.831
14	480257.228	7867321.392	4.893
15	480271.541	7867328.646	4.726
16	480271.737	7867328.607	4.706
17	480272.105	7867328.536	4.836
18	480272.130	7867328.531	4.836
19	480273.702	7867328.649	4.835
20	480275.121	7867329.138	4.897
21	480275.609	7867327.719	4.893
22	480274.191	7867327.231	4.830
23	480271.924	7867325.698	4.828
24	480271.899	7867325.696	4.828
25	480271.524	7867325.679	4.698
26	480271.325	7867325.669	4.718
27	480271.511	7867326.309	4.700
28	480271.625	7867327.934	4.705

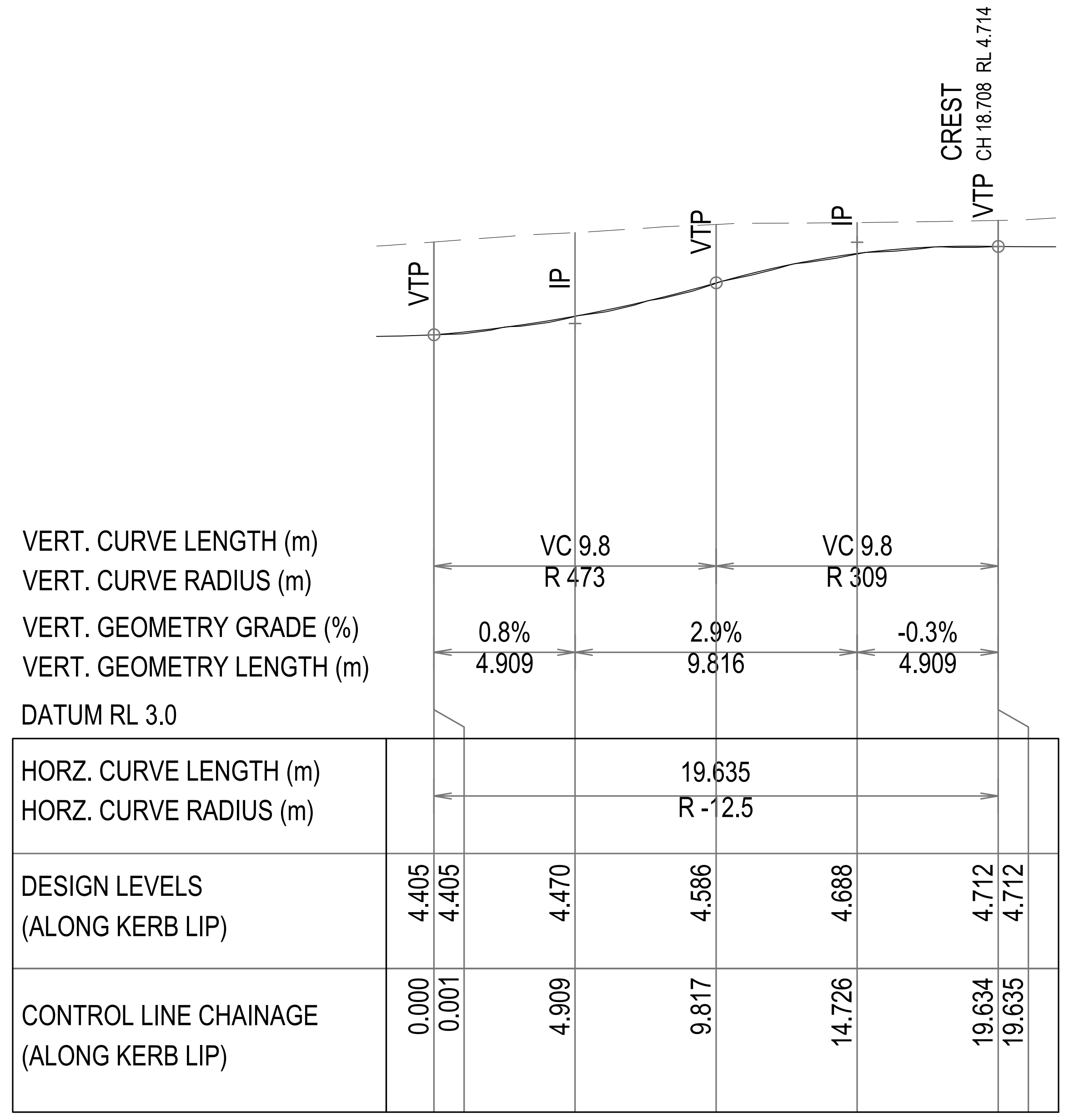
SETOUT POINTS

PT No.	EASTING	NORTHING	RL.
29	480241.669	7867337.769	5.136
30	480243.088	7867338.258	5.141
31	480243.657	7867336.603	5.053
32	480244.778	7867335.191	5.074
33	480244.820	7867335.089	5.074
34	480244.833	7867335.051	4.926
35	480244.973	7867334.623	4.964
36	480244.260	7867334.854	4.924
37	480242.841	7867334.365	4.919
38	480242.420	7867333.745	4.956
39	480242.274	7867334.170	4.916
40	480242.261	7867334.208	5.066
41	480242.225	7867334.312	5.066
42	480242.239	7867336.115	5.049
43	480245.350	7867325.235	4.956
44	480245.982	7867325.241	4.937
45	480247.401	7867325.729	4.942
46	480247.903	7867326.114	4.964
47	480247.968	7867325.924	4.944
48	480248.090	7867325.570	5.072
49	480248.098	7867325.546	5.073
50	480247.905	7867324.264	5.072
51	480248.465	7867322.637	5.129
52	480247.047	7867322.149	5.125
53	480246.487	7867323.775	5.067
54	480245.545	7867324.667	5.066
55	480245.537	7867324.691	5.065
56	480245.415	7867325.046	4.936



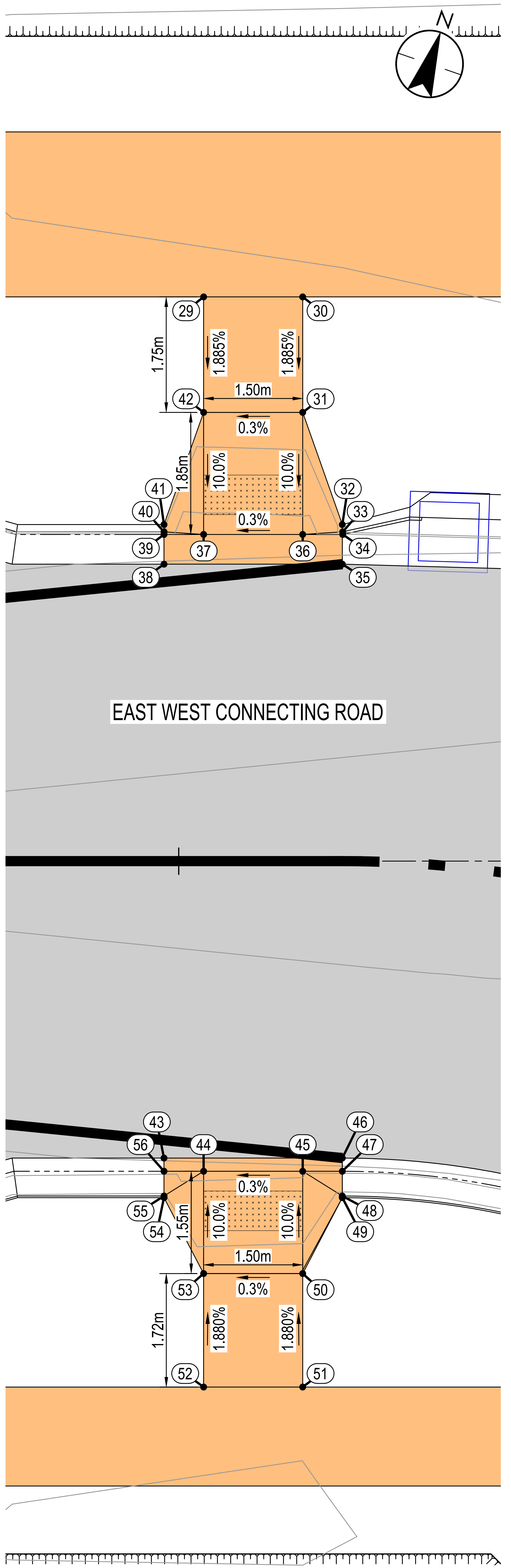
KR0203

SCALE: H 1:200
V 1:20



KR0301

SCALE: H 1:200
V 1:20



INSERT A

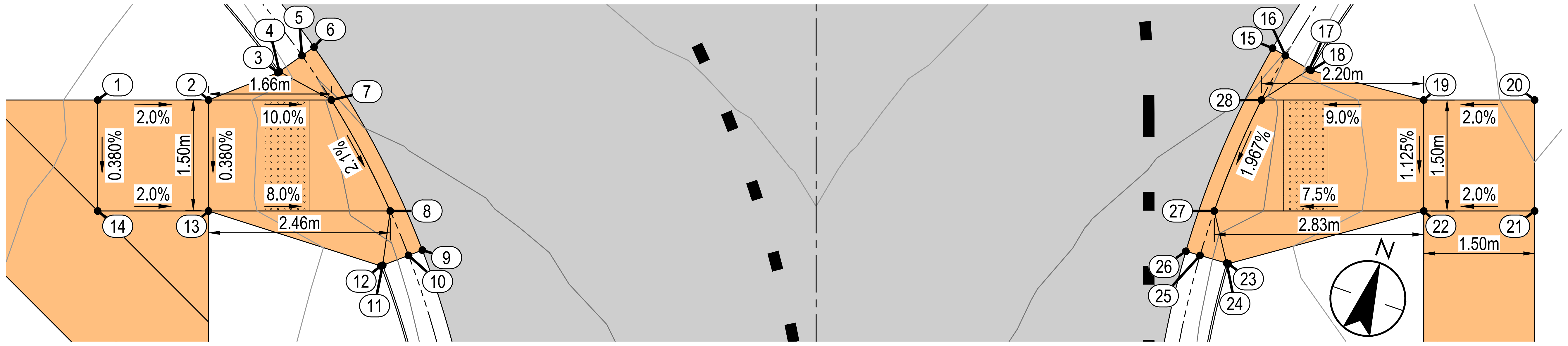
SCALE 1:50

KERB RETURN KR0203 SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	480279.742	7867338.078	4.715	161°00'15.02"	ARC	-12.500	19.635
E	19.635	480271.992	7867322.190	4.413	161°00'15.02"			

KERB RETURN KR0301 SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	480263.791	7867318.362	4.405	251°00'15.90"	ARC	-12.500	19.635
E	19.635	480247.903	7867326.113	4.712	251°00'15.90"			



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Plotted: McGuiness, Ryan Date: 7/08/2026 1:51:56 PM

1:200 1:400 — 2 0 2 4 6 8 10 — A1 A3
1:50 1:100 — 1 0.5 0 1 2 — A1 A3
1:20 1:40 — 0.2 0 0.2 0.4 0.6 0.8 1 — A1 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
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STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:53:16+10'00'

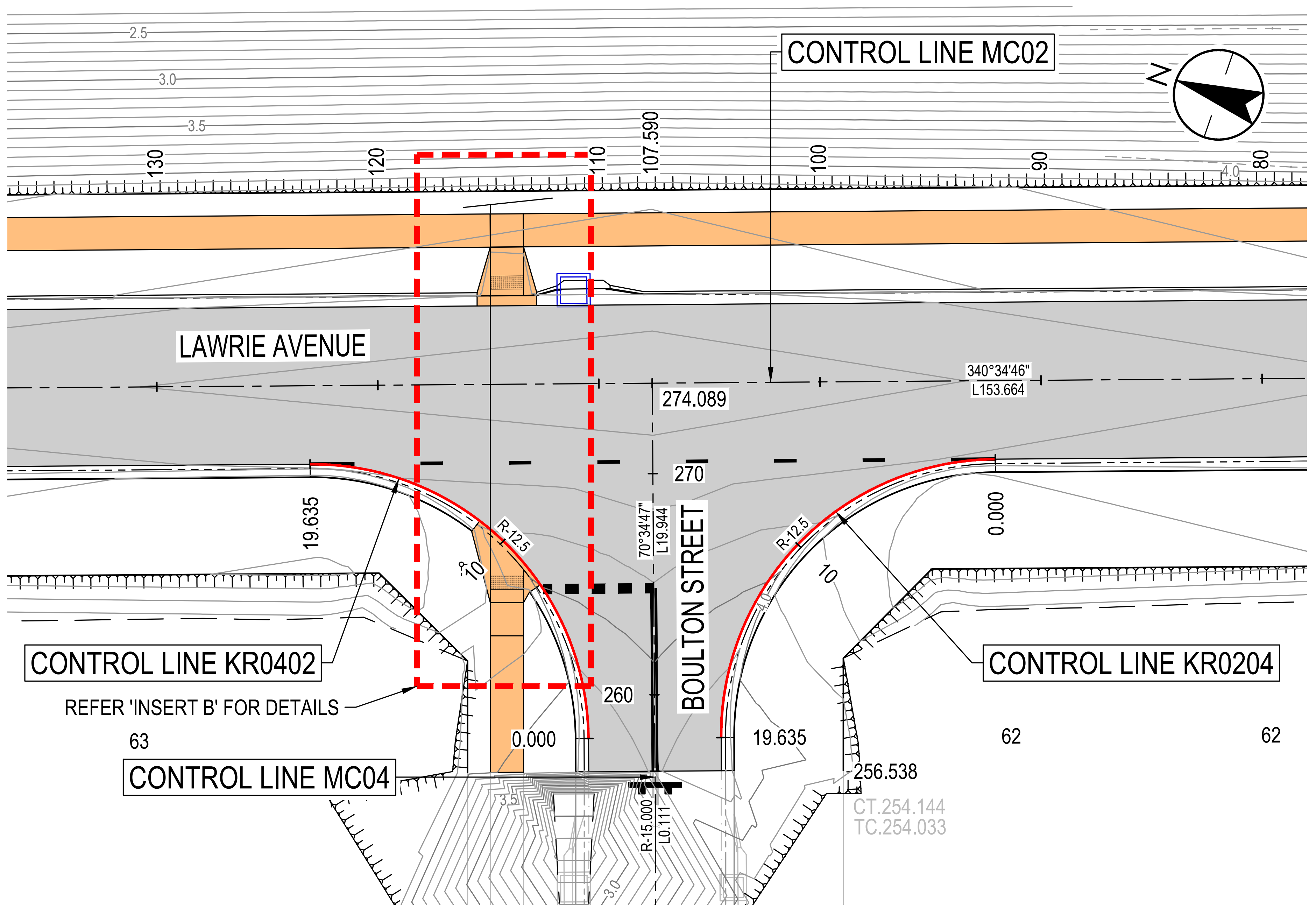
Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title INTERSECTION AND SETOUT DETAILS

SHEET 1 OF 4

Project No.
304702009
Scale at A1
AS SHOWN
Drawing No.
304702009-02-007-DR-CI-000240
Revision
P01

ORIGINAL SHEET - ISO A1



LAYOUT PLAN

SCALE 1:200

LEGEND:

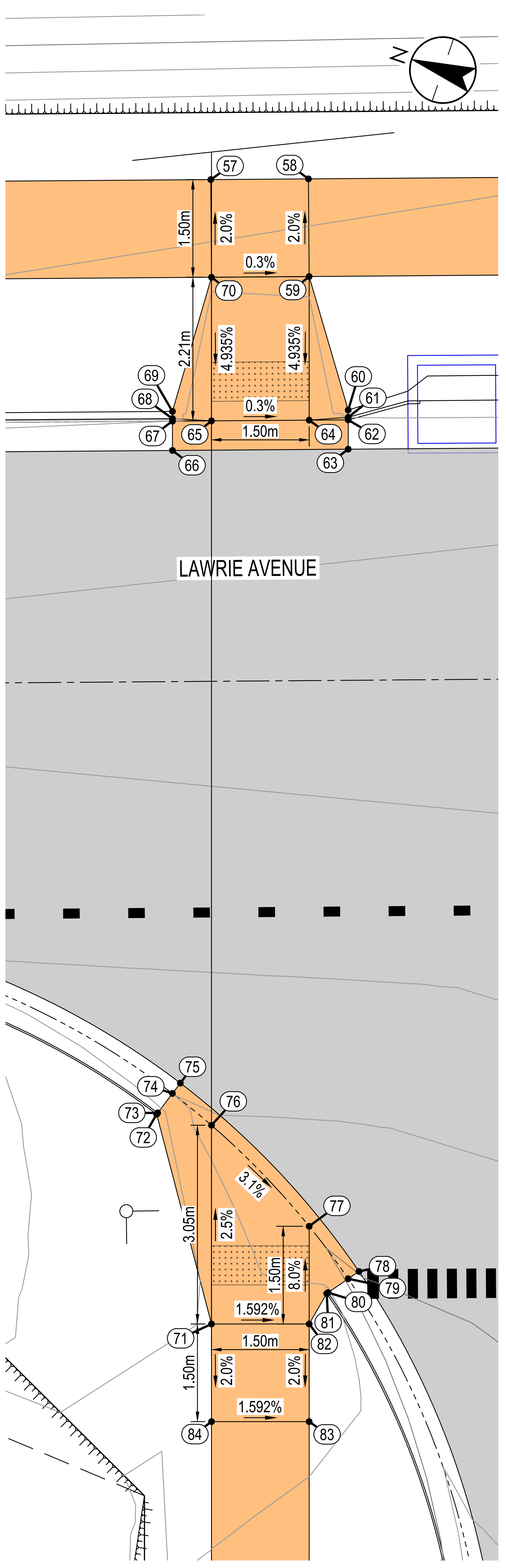
—3.00—	DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
——	DESIGN CONTOUR - MINOR (0.1m INTERVAL)
🟧	PROPOSED PATHWAY AS PER TCC STD DWG SD-075
— · —	PROPOSED CONTROL LINE
▨	ASPHALT PAVEMENT

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.
2. FOR ROAD LONGITUDINAL SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000210-000214.
3. FOR ROAD CROSS SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000220-000227.

SETOUT POINTS

PT No.	EASTING	NORTHING	RL.
57	480430.672	7867321.114	4.258
58	480431.171	7867319.699	4.246
59	480429.756	7867319.200	4.186
60	480428.012	7867317.965	4.200
61	480427.908	7867317.929	4.200
62	480427.870	7867317.916	4.051
63	480427.445	7867317.770	4.090
64	480427.671	7867318.482	4.056
65	480427.172	7867319.897	4.068
66	480426.547	7867320.316	4.111
67	480426.972	7867320.463	4.071
68	480427.010	7867320.476	4.221
69	480427.114	7867320.512	4.221
70	480429.257	7867320.615	4.198
71	480414.058	7867315.382	4.065
72	480416.830	7867317.228	4.113
73	480416.853	7867317.220	4.113
74	480417.210	7867317.103	3.983
75	480417.399	7867317.039	4.003
76	480416.943	7867316.376	3.957
77	480415.964	7867314.452	3.879
78	480415.558	7867313.503	3.867
79	480415.397	7867313.623	3.847
80	480415.097	7867313.847	3.977
81	480415.076	7867313.862	3.977
82	480414.546	7867313.964	4.008
83	480413.128	7867313.476	4.008
84	480412.639	7867314.894	4.008



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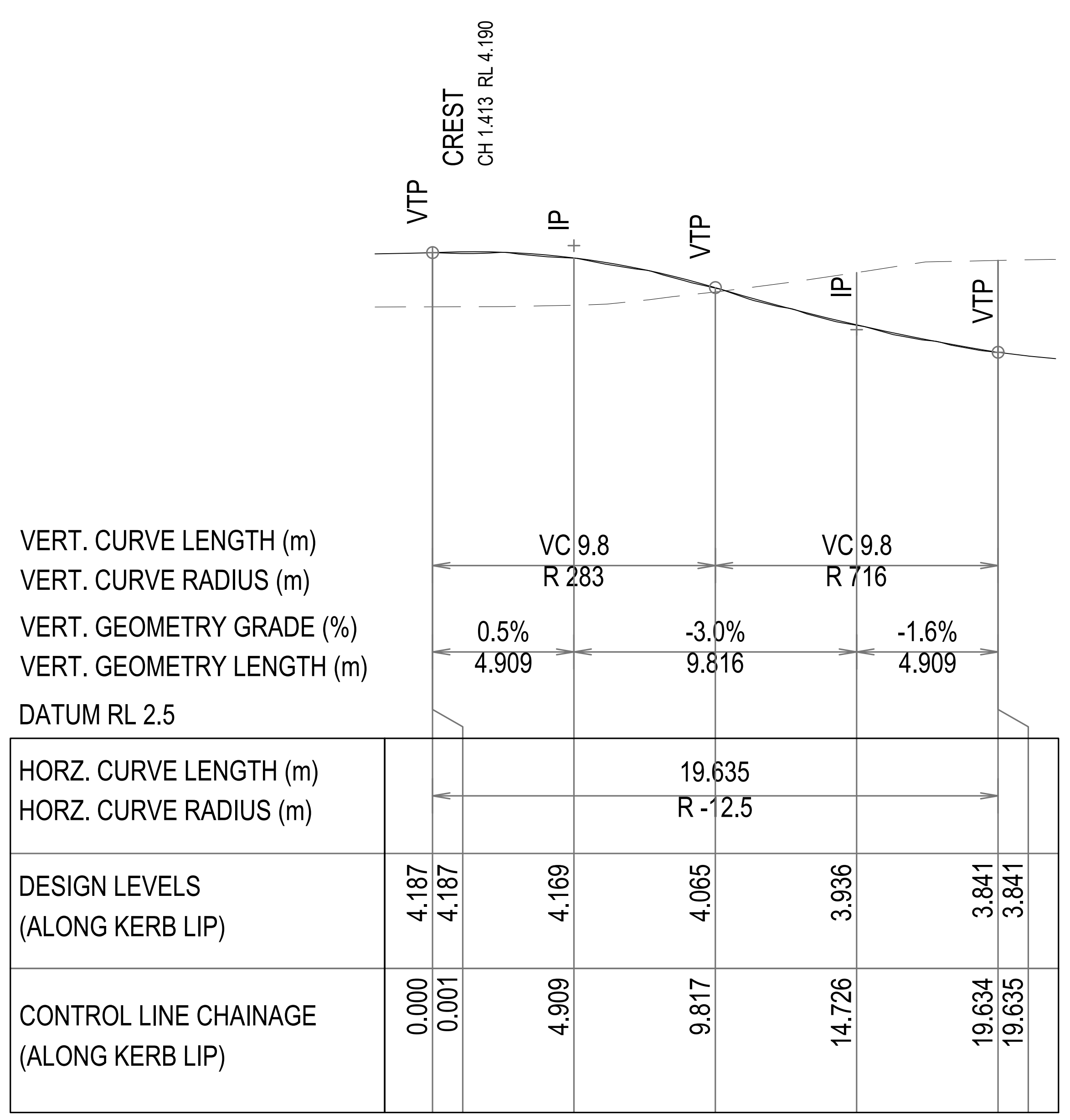
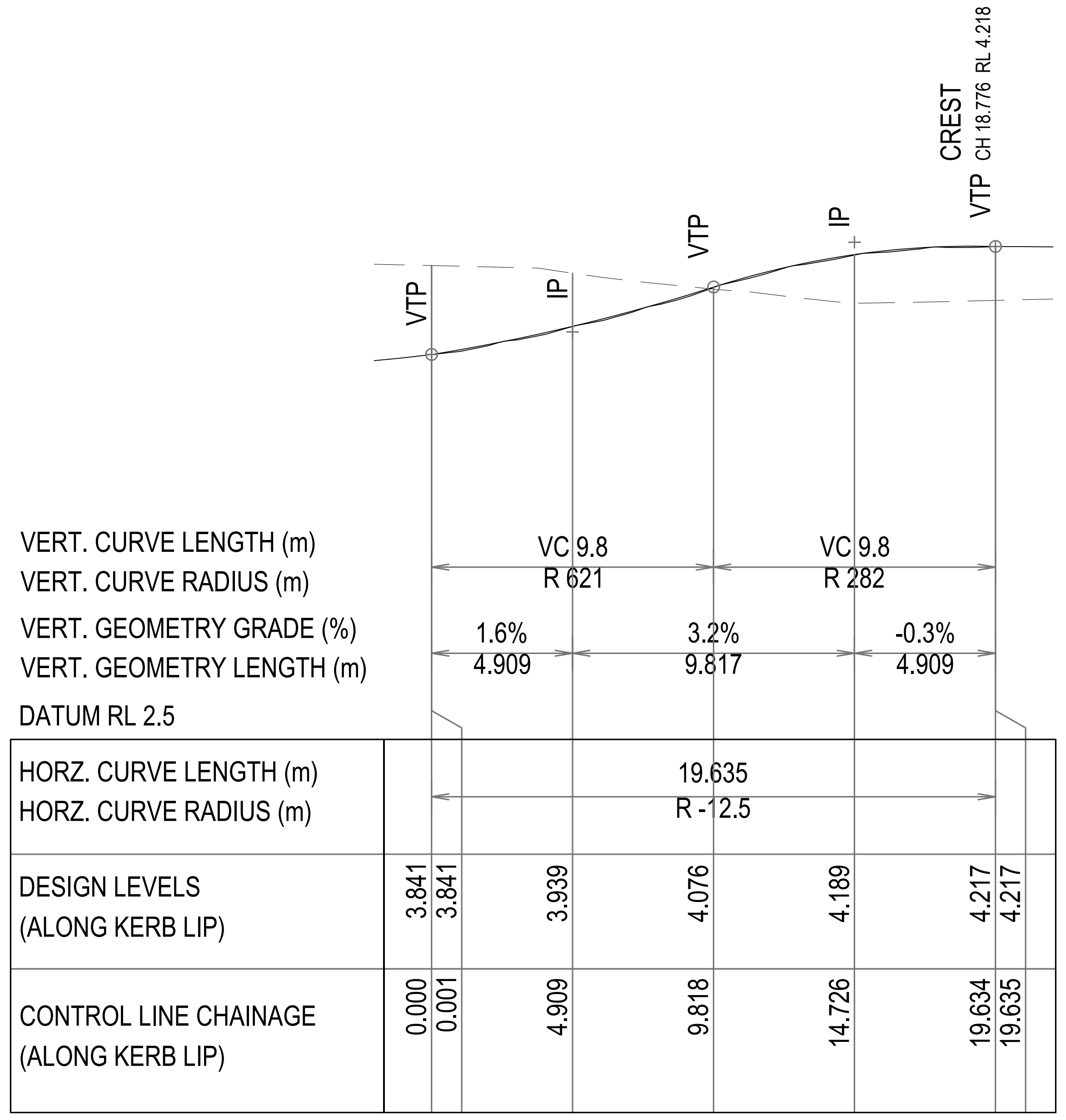
SCALE 1:50



KR0204

SCALE: H 1:200
V 1:20



KR0402

SCALE: H 1:200
V 1:20

KERB RETURN KR0204 SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	480427.630	7867295.891	4.187	250°34'46.98"	ARC	-12.500	19.635
E	19.635	480411.685	7867303.524	3.841	250°34'46.98"			

KERB RETURN KR0402 SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	480409.690	7867309.182	3.841	340°34'46.18"	ARC	-12.500	19.635
E	19.635	480417.322	7867325.127	4.217	340°34'46.18"			

U:\304702009\technical\drawings\working\Separable Portion 2\304702009-STN-02-007-DR-CI-000240-000243.dwg
Plotted: McGuiness, Ryan Date: 7/08/2026 1:52:22 PM

1:200	2	0	2	4	6	8	10	A1
1:400								A3
1:50	1	0.5	0		1		2	A1
1:100								A3
1:20	0.2	0	0.2	0.4	0.6	0.8	1	A1
1:40								A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status

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Coordinate System
MGA/20-Zone 55
Datum
mAHD

Colour Disclaimer

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Client/Project Logo

DELIVERING FOR QUEENSLAND

Queensland Government

Client/Project
ECONOMIC DEVELOPMENT QUEENSLAND
OONOONBA PDA
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:53:41+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title INTERSECTION AND SETOUT DETAILS

SHEET 2 OF 4

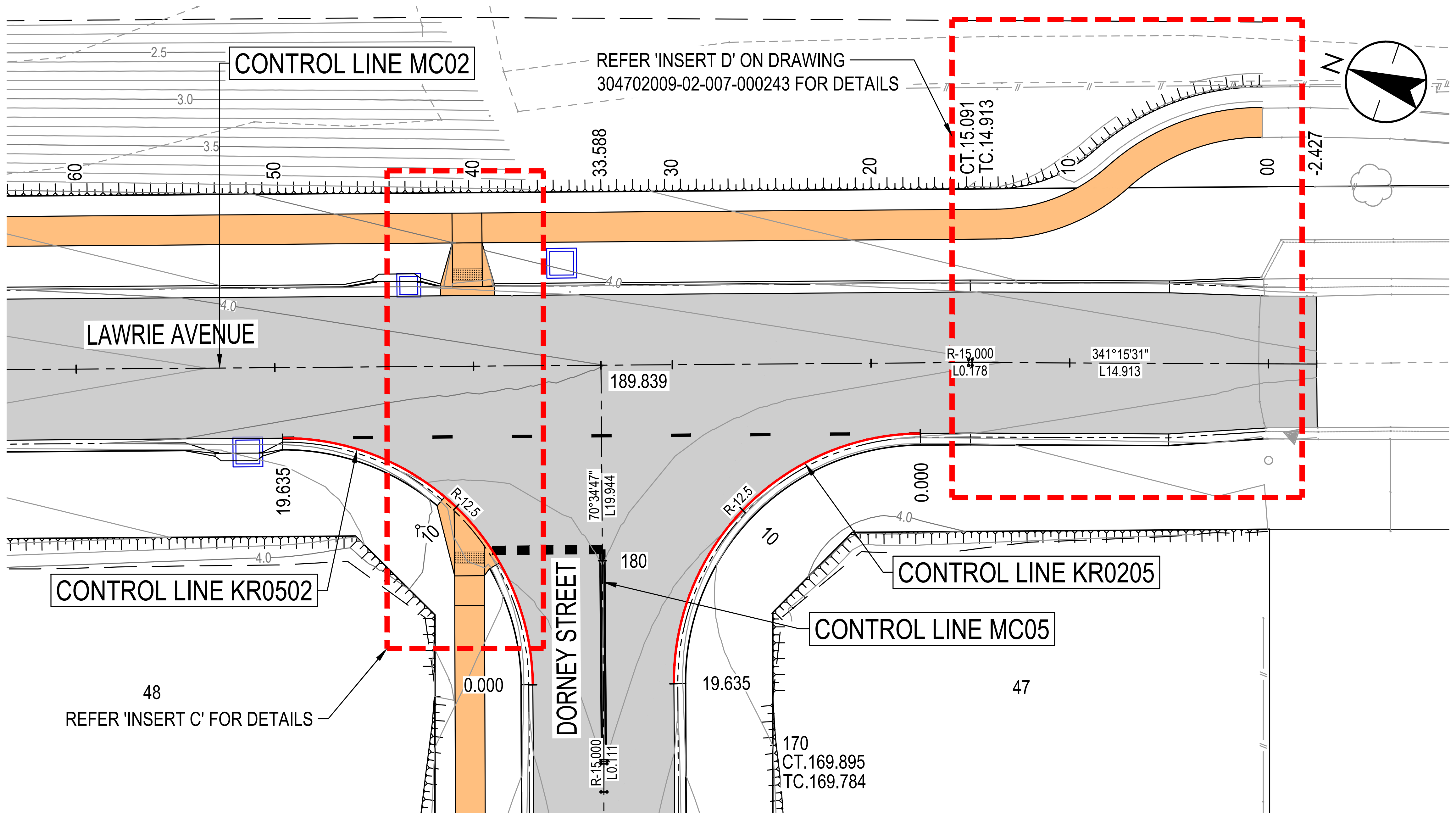
Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000241

Revision
P01

ORIGINAL SHEET - ISO A1



LAYOUT PLAN

SCALE 1:200

LEGEND:

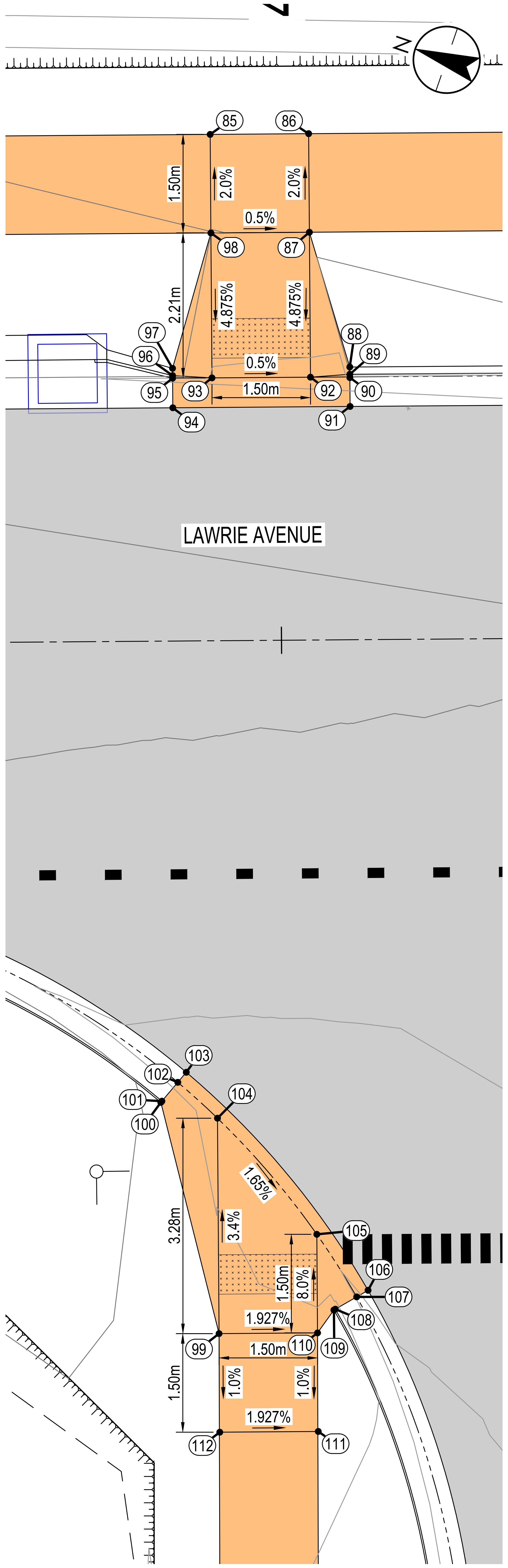
3.00	DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
	DESIGN CONTOUR - MINOR (0.1m INTERVAL)
🟧	PROPOSED PATHWAY AS PER TCC STD DWG SD-075
	PROPOSED CONTROL LINE
▨	ASPHALT PAVEMENT

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.
2. FOR ROAD LONGITUDINAL SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000210-000214.
3. FOR ROAD CROSS SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000220-000227.

SETOUT POINTS

PT No.	EASTING	NORTHING	RL.
85	480455.223	7867251.477	3.717
86	480455.721	7867250.063	3.714
87	480454.307	7867249.564	3.654
88	480452.568	7867248.315	3.671
89	480452.464	7867248.278	3.671
90	480452.416	7867248.261	3.521
91	480452.002	7867248.115	3.561
92	480452.227	7867248.831	3.524
93	480451.728	7867250.245	3.527
94	480451.104	7867250.661	3.567
95	480451.528	7867250.811	3.527
96	480451.566	7867250.824	3.677
97	480451.670	7867250.861	3.677
98	480453.808	7867250.979	3.657
99	480438.012	7867245.410	3.577
100	480441.050	7867247.393	3.612
101	480441.073	7867247.384	3.612
102	480441.423	7867247.248	3.482
103	480441.610	7867247.176	3.502
104	480441.104	7867246.500	3.468
105	480439.926	7867244.494	3.432
106	480439.373	7867243.478	3.437
107	480439.223	7867243.610	3.417
108	480438.940	7867243.856	3.547
109	480438.921	7867243.873	3.547
110	480438.511	7867243.995	3.562
111	480437.096	7867243.496	3.562
112	480436.597	7867244.911	3.562



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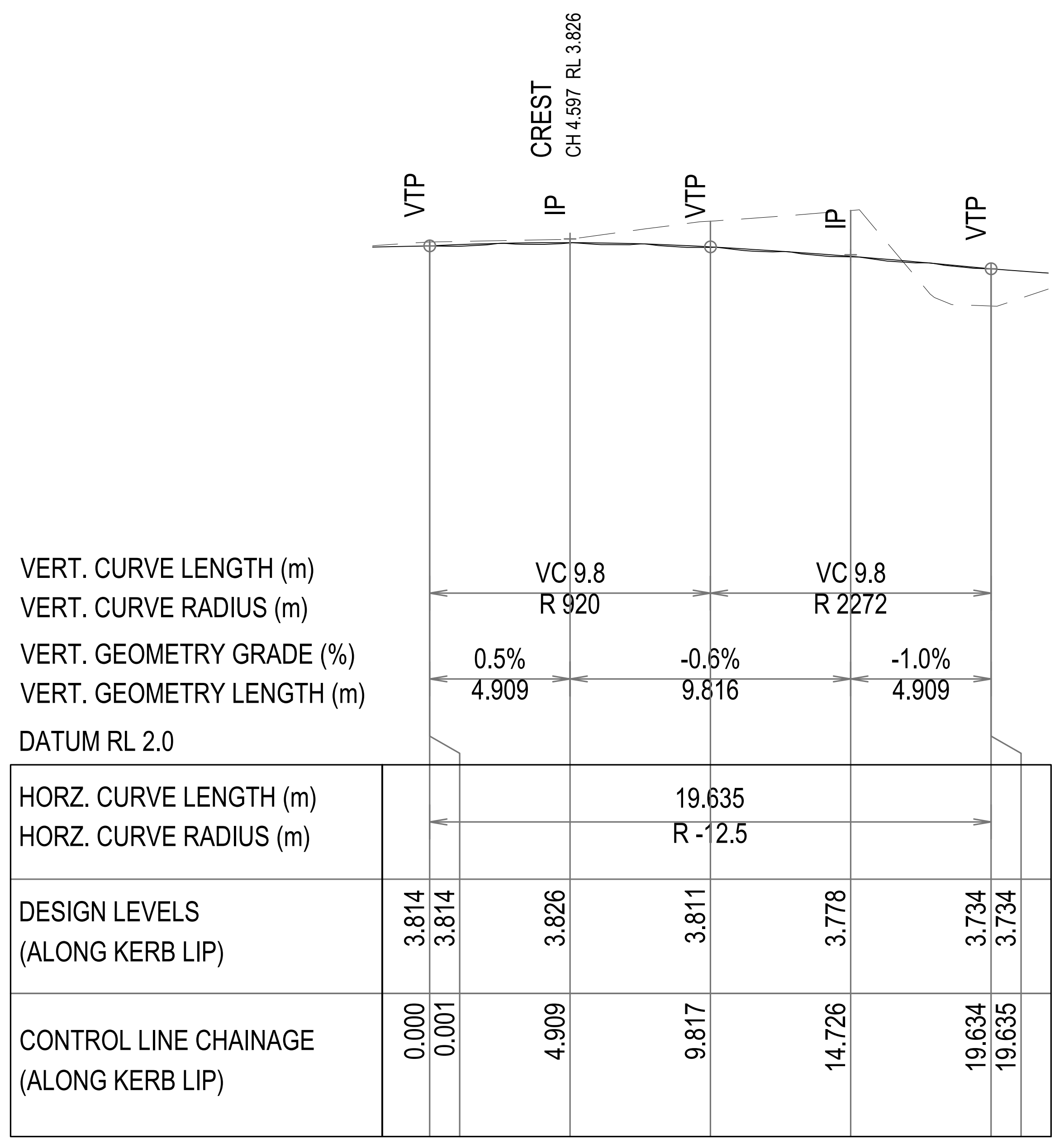
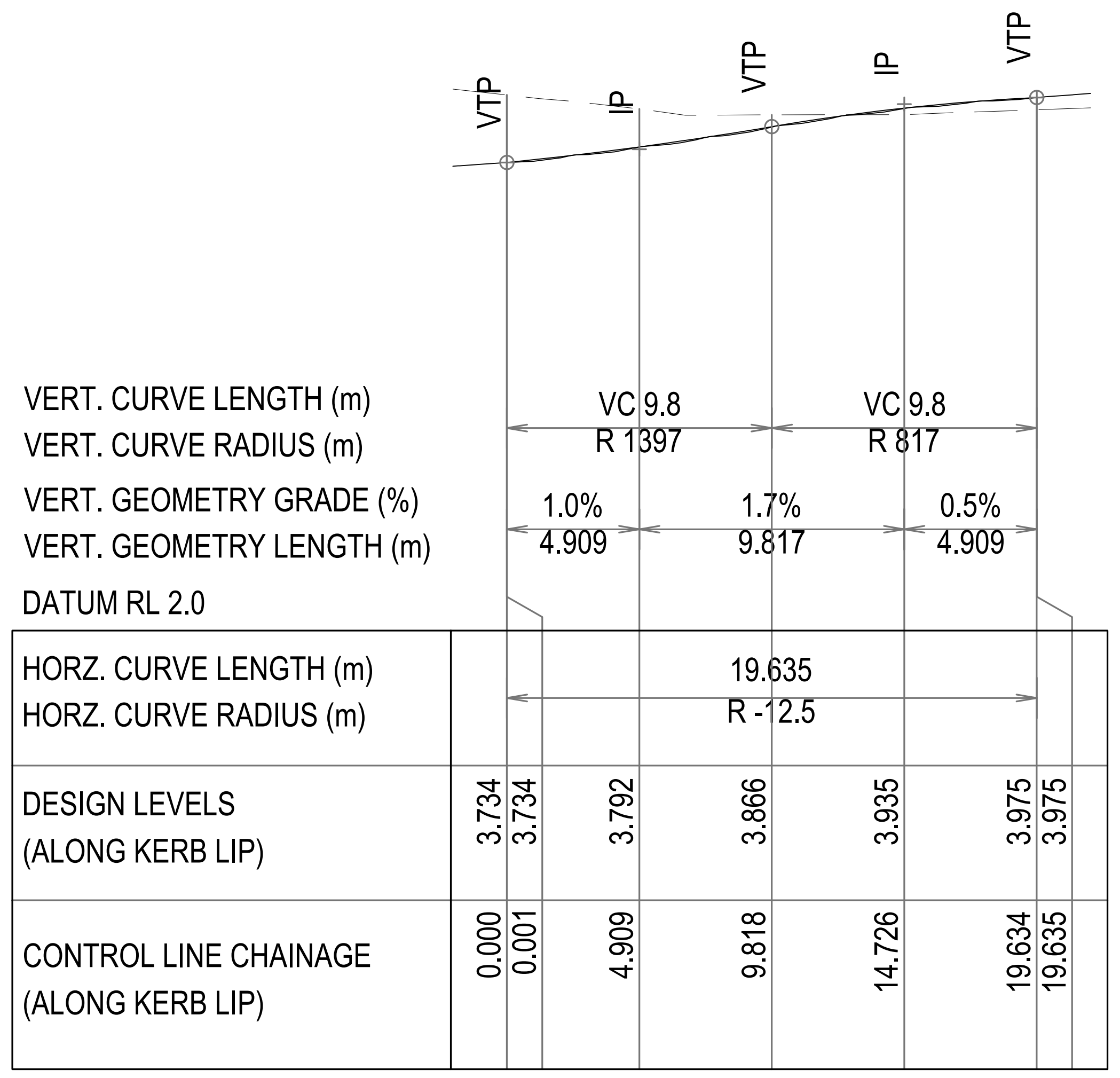
SCALE 1:50



KR0205

SCALE: H 1:200
V 1:20



KR0502

SCALE: H 1:250
V 1:25

KERB RETURN KR0205 SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	480452.418	7867225.581	3.814	250°34'46.98"	ARC	-12.500	19.635
E	19.635	480436.473	7867233.213	3.734	250°34'46.98"			

KERB RETURN KR0502 SETOUT TABLE

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	480434.112	7867239.909	3.734	340°34'46.18"	ARC	-12.500	19.635
E	19.635	480441.745	7867255.854	3.975	340°34'46.18"			

1:200 2 0 2 4 6 8 10 A1
1:400 A3
1:50 1 0.5 0 1 2 A1
1:100 A3
1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1
1:40 A3

		By	Appd	YYYY.MM.DD
P01	ISSUED FOR TENDER	GC	GJ	2026.08.07

Issued/Revision

Issue Status
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Datum
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Queensland Government

Client/Project
ECONOMIC DEVELOPMENT QUEENSLAND

OONOONBA PDA
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:53:55+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title INTERSECTION AND SETOUT DETAILS

SHEET 3 OF 4

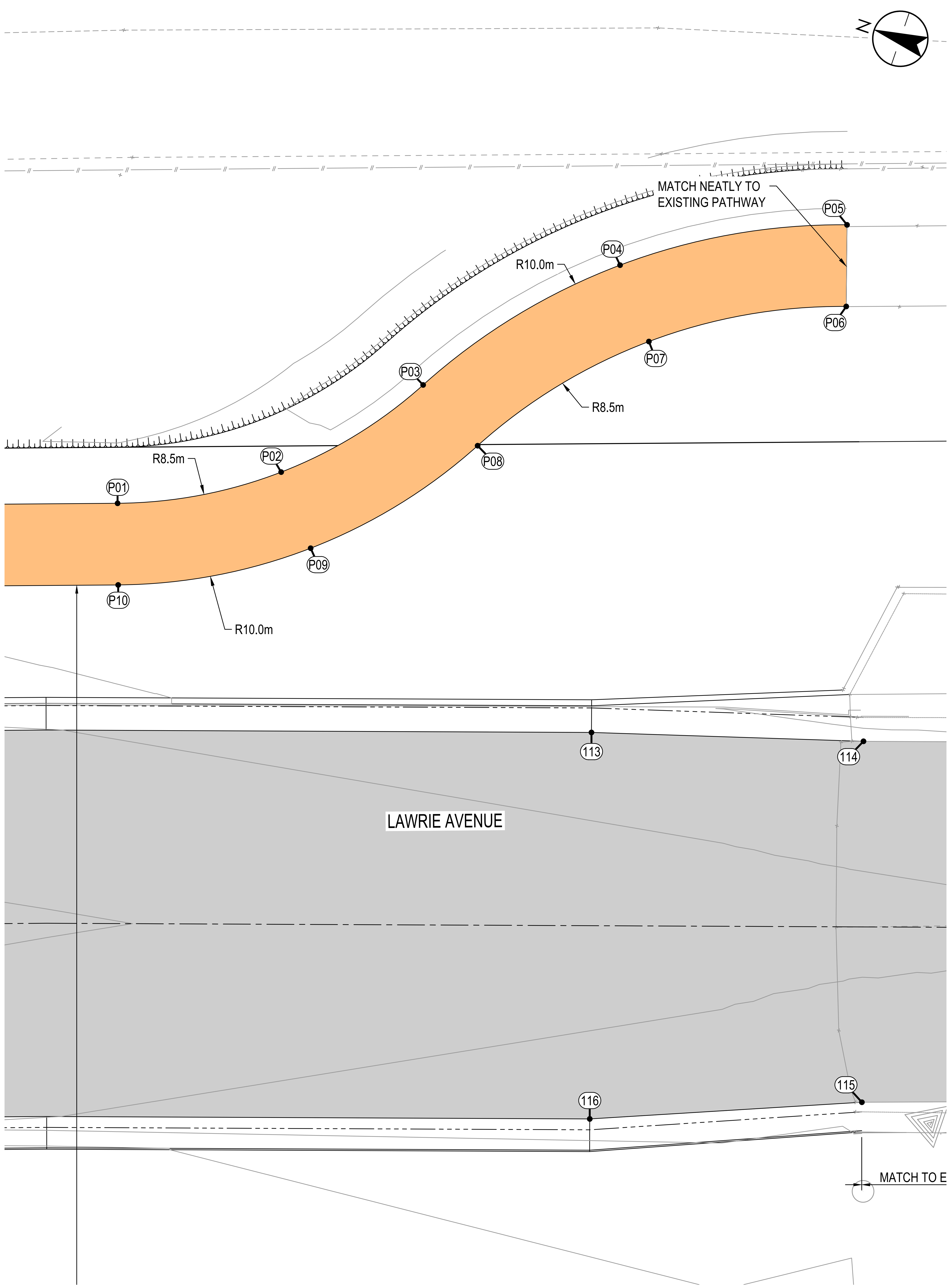
Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000242

Revision
P01

ORIGINAL SHEET - ISO A1



INSERT D

SCALE 1:50

LEGEND:

- 3.00 DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
- DESIGN CONTOUR - MINOR (0.1m INTERVAL)
- 🟧 PROPOSED PATHWAY AS PER TCC STD DWG SD-075
- PROPOSED CONTROL LINE
- ▨ ASPHALT PAVEMENT

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.
2. FOR ROAD LONGITUDINAL SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000210-000214.
3. FOR ROAD CROSS SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000220-000227.

SETOUT POINTS

PT No.	EASTING	NORTHING	RL.
113	480463.185	7867216.038	3.664
114	480464.658	7867211.258	0.000
115	480458.379	7867209.127	0.000
116	480456.461	7867213.757	3.664
P01	480464.331	7867225.643	3.802
P02	480465.851	7867222.987	3.825
P03	480468.214	7867221.041	3.847
P04	480471.473	7867218.335	3.871
P05	480473.531	7867214.633	0.000
P06	480472.108	7867214.158	3.864
P07	480470.319	7867217.377	3.841
P08	480467.485	7867219.731	3.817
P09	480464.705	7867222.019	3.794
P10	480462.916	7867225.144	3.772

1:200 2 0 2 4 6 8 10 A1
1:400 A3

1:50 1 0.5 0 1 2 A1
1:100 A3

1:20 0.2 0 0.2 0.4 0.6 0.8 1 A1
1:40 A3

Issued/Revision		By	Appd	YYYY.MM.DD
P01	ISSUED FOR TENDER	GC	GJ	2026.08.07

Issue Status

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Coordinate System
MGA/20-Zone 55
Datum
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Client/Project Logo

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Queensland Government

Client/Project
ECONOMIC DEVELOPMENT QUEENSLAND

OONOONBA PDA
STAGE 1C

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
Melita, Brendan	RPEQ No: 24432	2026.08.07 14:54:10+10'00'	GC	GC	GJ	BM	2026.08.07

Title INTERSECTION AND SETOUT DETAILS

SHEET 4 OF 4

Project No.
304702009

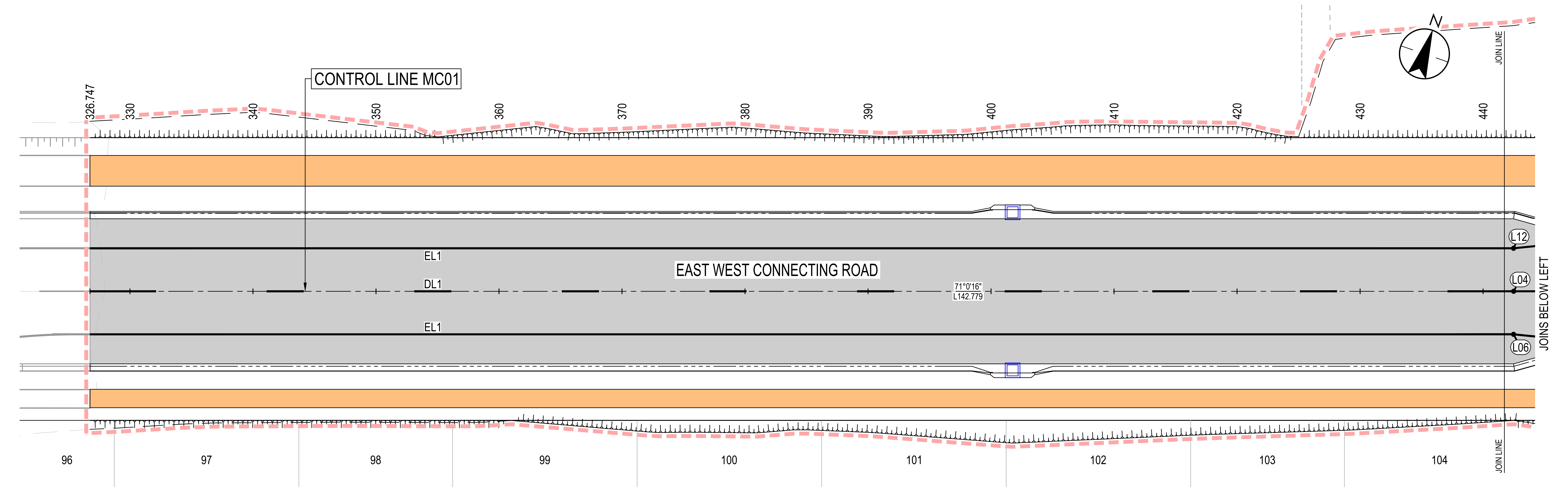
Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000243

Revision
P01

U:\304702009\technical\drawings\working\Separable Portion 2\304702009-STN-02-007-DR-CI-000240-000243.dwg
Plotted: McGuiness, Ryan Date: 7/08/2026 1:53:03 PM

ORIGINAL SHEET - ISO A1



LEGEND:

🟥	EXTENT OF WORKS BOUNDARY
—	LL4 - LANE LINE
—	DL1 - SINGLE BROKEN DIVIDING LINE
—	EL1 - EDGE LINE
— —	CL1 - CONTINUITY LINE
- - -	GWL - GIVE WAY LINE
—	BL2 - DOUBLE ONE WAY BARRIER LINE

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.

LINEMARKING SETOUT POINTS

PT No.	EASTING	NORTHING
L01	480268.066	7867319.789
L02	480259.451	7867329.566
L03	480246.444	7867330.371
L04	480236.989	7867327.116
L05	480247.903	7867326.114
L06	480238.122	7867323.804
L07	480271.991	7867322.191
L08	480270.246	7867327.261
L09	480262.827	7867335.767
L10	480251.578	7867336.693
L11	480244.973	7867334.623
L12	480235.843	7867330.423
L13	480275.354	7867335.465
L14	480273.859	7867339.808
L15	480283.314	7867343.064

LAYOUT PLAN
SCALE 1:200

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Plotted: McGuiness, Ryan Date: 7/08/2026 1:50:49 PM

ORIGINAL SHEET - ISO A1

1:200 2 0 2 4 6 8 10 A1
1:400 A3

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Issue Status
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STAGE 1C

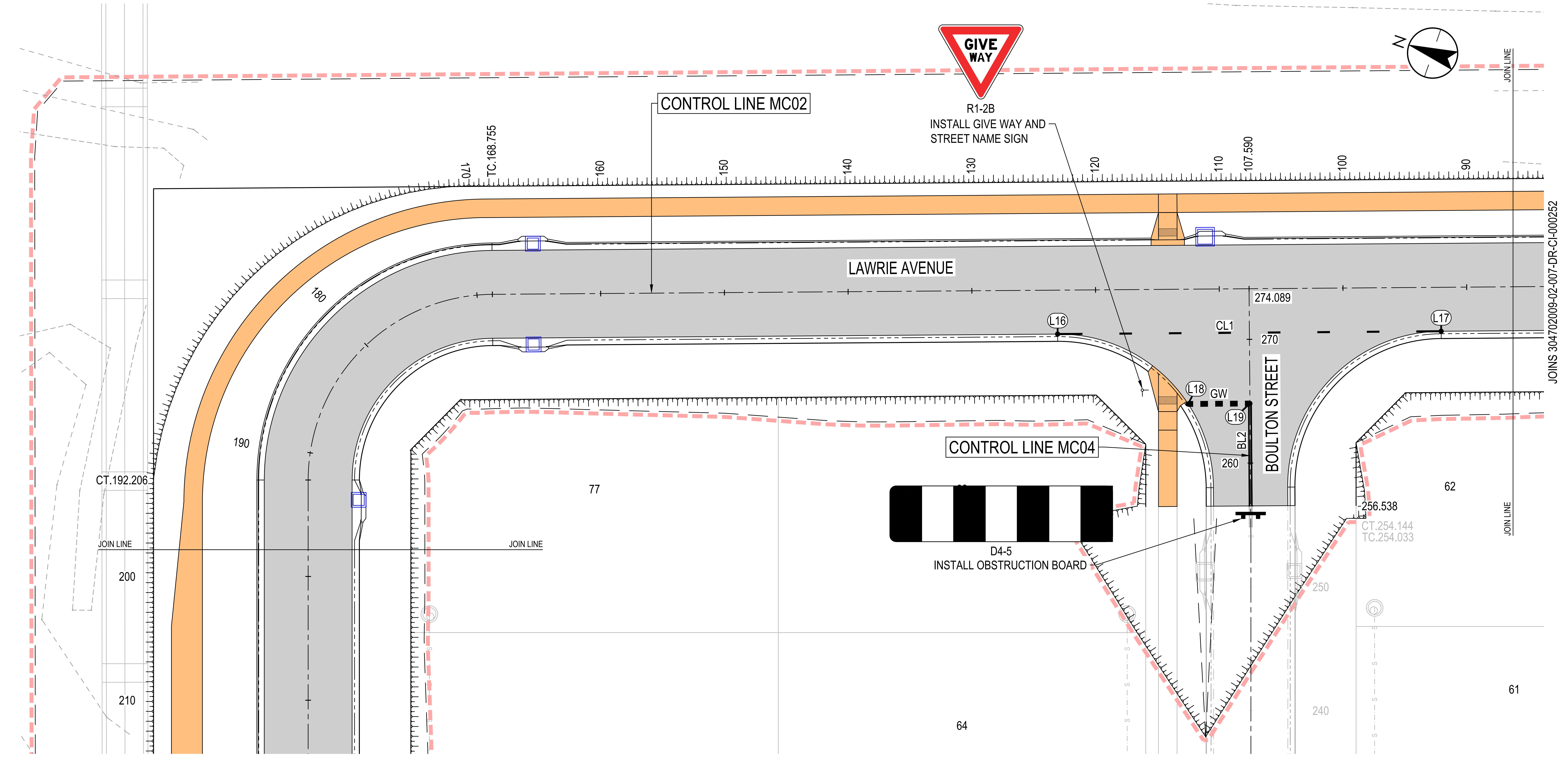
Melita, Brendan
RPEQ No: 24432
2026.08.07
14:54:28+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title LINEMARKING AND SIGNAGE LAYOUT PLAN

SHEET 1 OF 3

Project No. 304702009
Scale at A1 AS SHOWN
Drawing No. 304702009-02-007-DR-CI-000250
Revision P01



LAYOUT PLAN

SCALE 1:200

LEGEND:

▬ ▬	EXTENT OF WORKS BOUNDARY
───	LL4 - LANE LINE
───	DL1 - SINGLE BROKEN DIVIDING LINE
───	EL1 - EDGE LINE
— —	CL1 - CONTINUITY LINE
- - - -	GWL - GIVE WAY LINE
═══	BL2 - DOUBLE ONE WAY BARRIER LINE

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.

LINEMARKING SETOUT POINTS

PT No.	EASTING	NORTHING
L16	480417.323	7867325.127
L17	480427.630	7867295.891
L18	480415.416	7867313.317
L19	480417.077	7867308.606

U:\304702009\technical\drawings\working\Separable Portion 2\304702009-STN-02-007-DR-CI-000250-000252.dwg
Plotted: McGuiness, Ryan Date: 7/08/2026 1:51:10 PM

1:200 2 0 2 4 6 8 10 A1
1:400 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
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Issue Status
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ECONOMIC DEVELOPMENT QUEENSLAND

OONOONBA PDA
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:54:47+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title LINEMARKING AND SIGNAGE LAYOUT PLAN

SHEET 2 OF 3

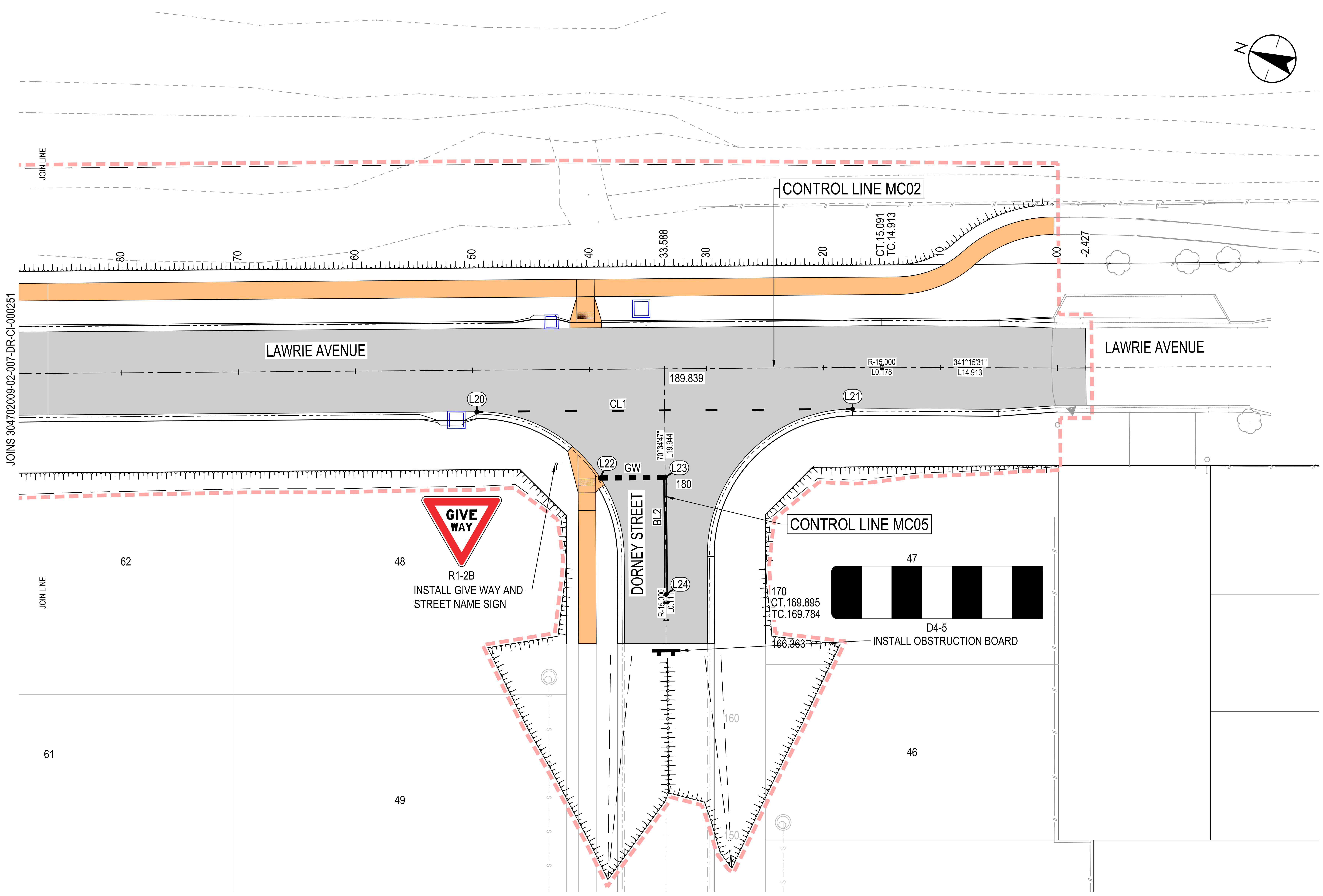
Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000251

Revision
P01

ORIGINAL SHEET - ISO A1



LAYOUT PLAN

SCALE 1:200

LEGEND:

- ▬ ▬ EXTENT OF WORKS BOUNDARY
- ── LL4 - LANE LINE
- ── DL1 - SINGLE BROKEN DIVIDING LINE
- ── EL1 - EDGE LINE
- — — CL1 - CONTINUITY LINE
- ▬ ▬ GWL - GIVE WAY LINE
- ── BL2 - DOUBLE ONE WAY BARRIER LINE

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.

LINEMARKING SETOUT POINTS

PT No.	EASTING	NORTHING
L20	480441.745	7867255.854
L21	480452.418	7867225.581
L22	480439.838	7867244.044
L23	480441.682	7867238.814
L24	480432.251	7867235.489

1:200 2 0 2 4 6 8 10 A1
1:400 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status

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Coordinate System
MGA/20-Zone 55
Datum
mAHD

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DELIVERING FOR QUEENSLAND
Queensland Government

Client/Project
ECONOMIC DEVELOPMENT QUEENSLAND

OONOONBA PDA
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:55:02+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title LINEMARKING AND SIGNAGE LAYOUT PLAN

SHEET 3 OF 3

Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000252

Revision
P01

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Plotted: McGuiness, Ryan Date: 7/08/2026 1:51:28 PM

ORIGINAL SHEET - ISO A1

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.

LAYOUT PLAN

SCALE 1:200

1:200 2 0 2 4 6 8 10 A1
1:400 A3

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Coordinate System
MGA/20-Zone 55
Datum
mAHD

Colour Disclaimer

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Client/Project
ECONOMIC DEVELOPMENT QUEENSLAND
OONOONBA PDA
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:55:24+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title WATER RETICULATION LAYOUT PLAN

SHEET 1 OF 3

Project No.
304702009

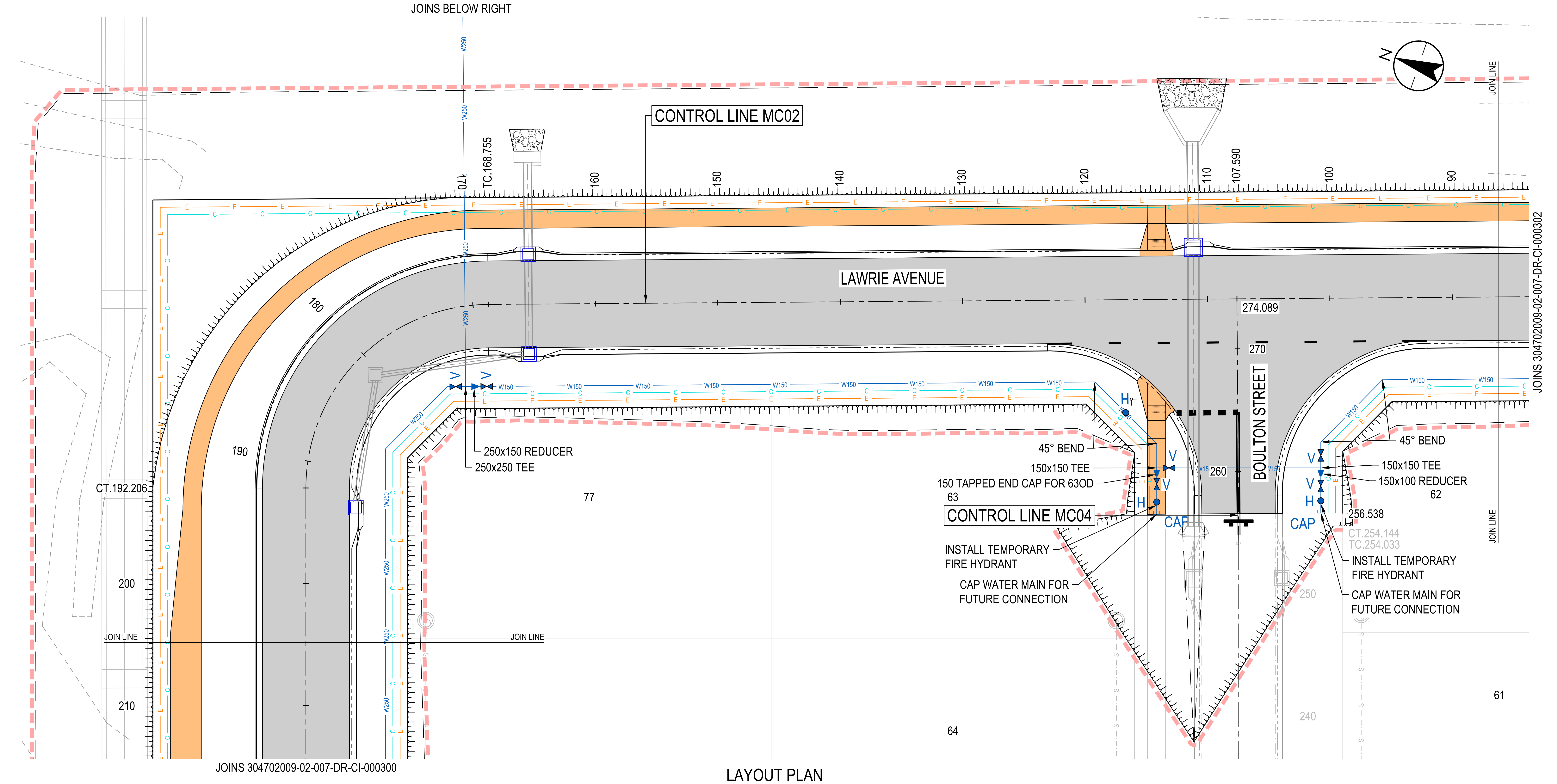
Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000300

Revision
P01

U:\304702009\technical\drawings\working\Separable Portion 2\304702009-STN-02-007-DR-CI-000300-000302.dwg
Plotted: McGuiness, Ryan Date: 7/08/2026 1:47:51 PM

ORIGINAL SHEET - ISO A1



LAYOUT PLAN

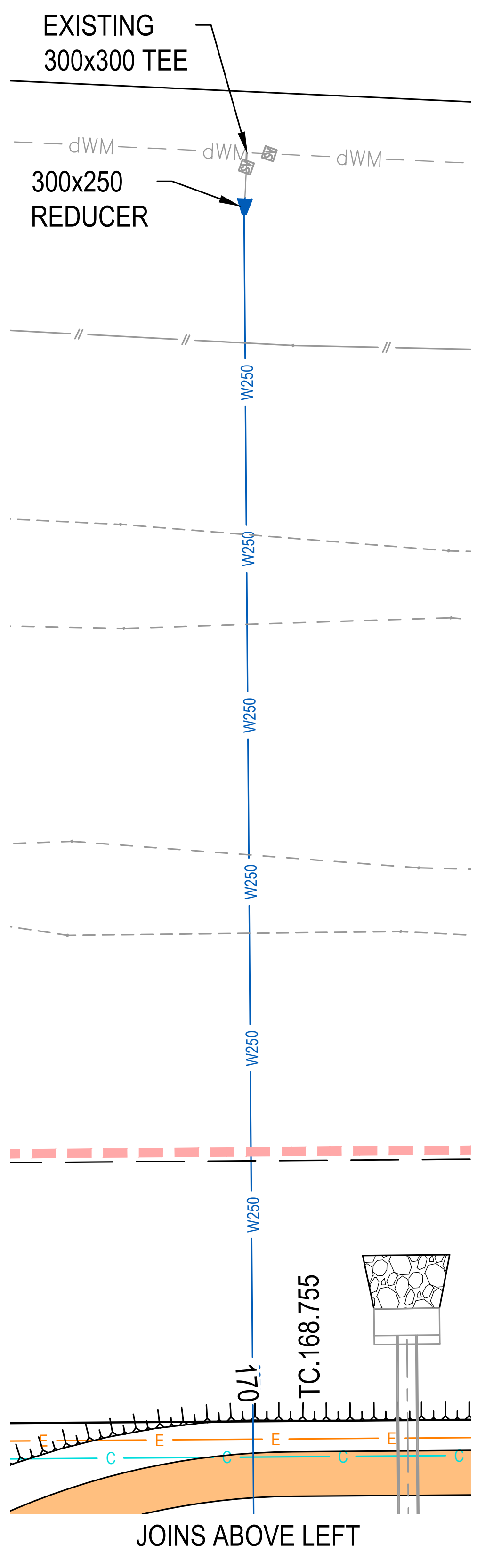
SCALE 1:200

LEGEND:

— D — D —	STORMWATER LINE - EXISTING
— S — S —	SEWER MAIN - EXISTING
— W — W —	WATERMAIN - EXISTING
▬ ▬ ▬	EXTENT OF WORKS BOUNDARY
———	PROPOSED STORMWATER
○ ▭ □	PROPOSED STORMWATER PITS
— W63 —	PROPOSED WATERMAIN (63OD)
— W100 —	PROPOSED WATERMAIN (Ø100)
— W150 —	PROPOSED WATERMAIN (Ø150)
— W200 —	PROPOSED WATERMAIN (Ø200)
— W250 —	PROPOSED WATERMAIN (Ø250)
▶R	PROPOSED REDUCER
●H	PROPOSED FIRE HYDRANT
⋈V	PROPOSED STOP VALVE
⌐ CAP	PROPOSED END CAP
— 3.00 —	DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
———	DESIGN CONTOUR - MINOR (0.1m INTERVAL)
·—·—·	PROPOSED GUARDRAIL
▬	PREFERRED DRIVEWAY LOCATION

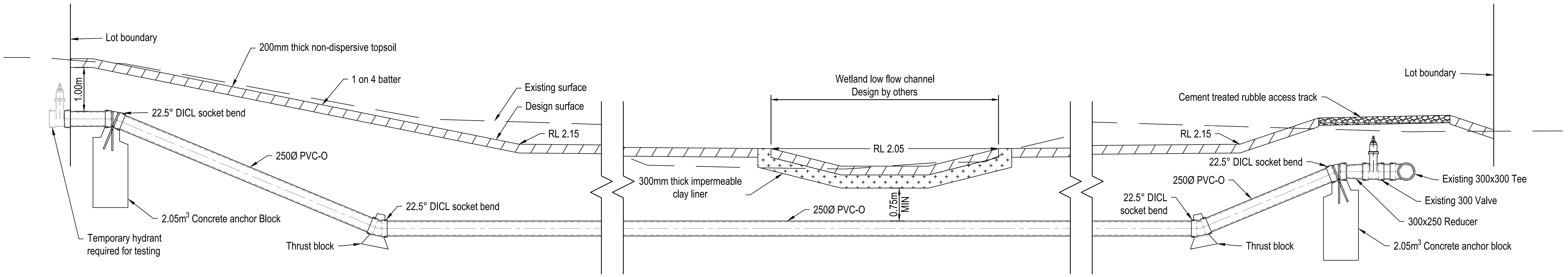
NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.



WATER CROSSING

SCALE 1:200



WATER CROSSING ELEVATION

SCALE: NTS

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Plotted: McGuiness, Ryan Date: 7/08/2026 1:48:12 PM

1:200 2 0 2 4 6 8 10 A1
1:400 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
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Melita, Brendan
RPEQ No: 24432
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14:55:36+10'00'

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Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title WATER RETICULATION LAYOUT PLAN

SHEET 2 OF 3

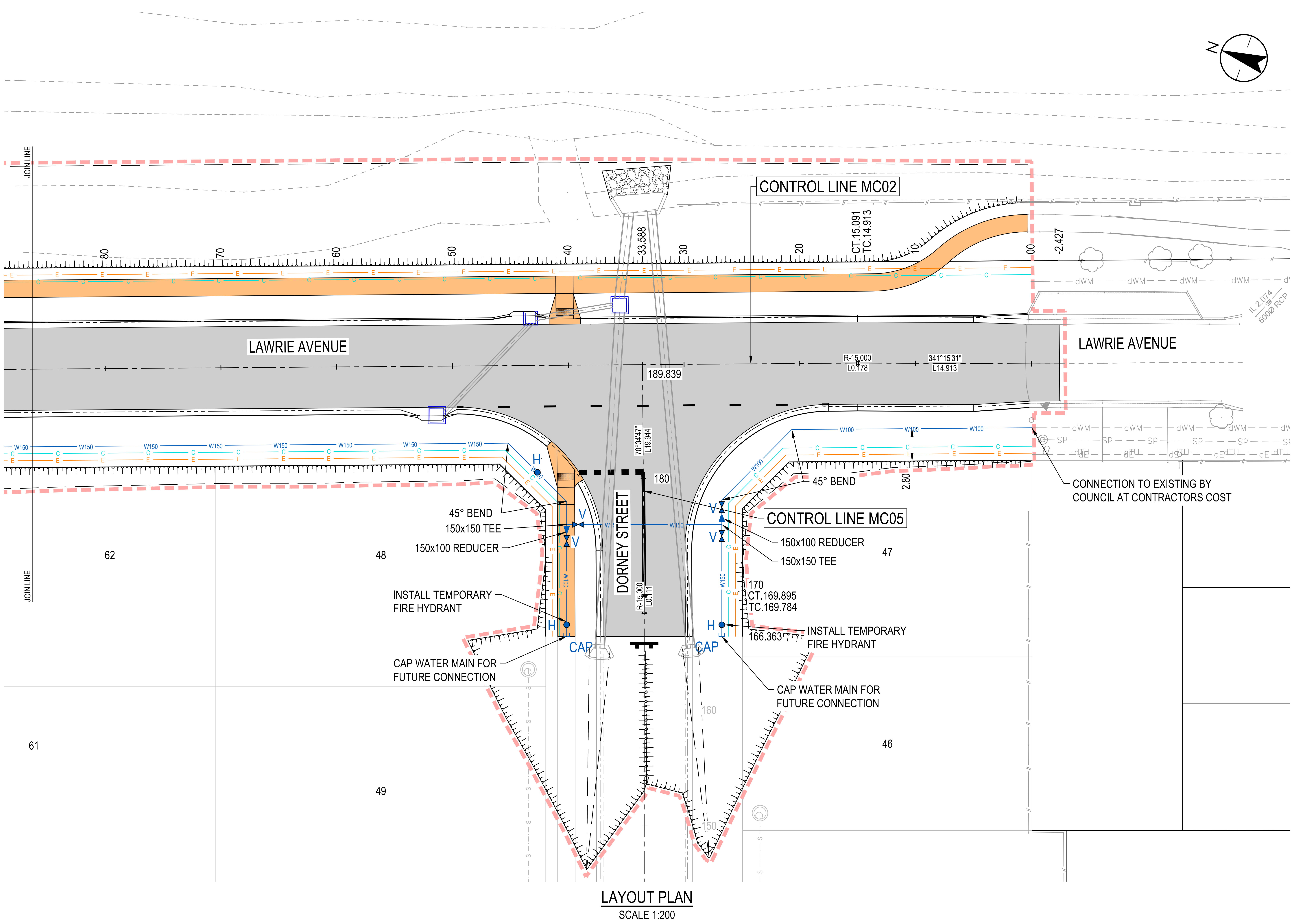
Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000301

Revision
P01

ORIGINAL SHEET - ISO A1



LAYOUT PLAN

SCALE 1:200

LEGEND:

— D — D —	STORMWATER LINE - EXISTING
— S — S —	SEWER MAIN - EXISTING
— W — W —	WATERMAIN - EXISTING
▬ ▬ ▬	EXTENT OF WORKS BOUNDARY
═	PROPOSED STORMWATER
○ ▭ □	PROPOSED STORMWATER PITS
— W63 —	PROPOSED WATERMAIN (63OD)
— W100 —	PROPOSED WATERMAIN (Ø100)
— W150 —	PROPOSED WATERMAIN (Ø150)
— W200 —	PROPOSED WATERMAIN (Ø200)
— W250 —	PROPOSED WATERMAIN (Ø250)
▶R	PROPOSED REDUCER
●H	PROPOSED FIRE HYDRANT
⋈V	PROPOSED STOP VALVE
⌐ CAP	PROPOSED END CAP
— 3.00 —	DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
—	DESIGN CONTOUR - MINOR (0.1m INTERVAL)
·—·—·	PROPOSED GUARDRAIL
▬	PREFERRED DRIVEWAY LOCATION

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1:200 2 0 2 4 6 8 10 A1
1:400 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
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Melita, Brendan
RPEQ No: 24432
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14:55:53+10'00'

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Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title WATER RETICULATION LAYOUT PLAN

SHEET 3 OF 3

Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000302

Revision
P01

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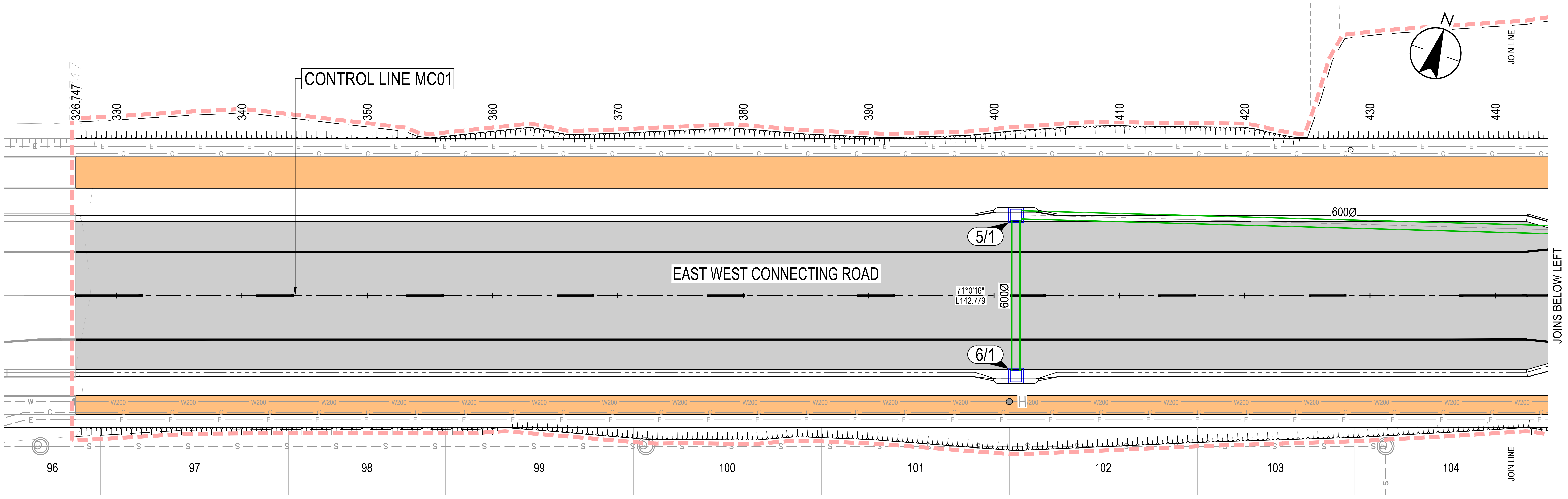
ORIGINAL SHEET - ISO A1



LEGEND:

— D — D —	STORMWATER LINE - EXISTING
— S — S —	SEWER MAIN - EXISTING
— W — W —	WATERMAIN - EXISTING
— dE — dE —	U/G ELECTRICAL LINE - EXISTING (BYDA)
— dS — dS —	SEWER LINE - EXISTING (BYDA)
— dTU — dTU —	TELECOMMUNICATIONS LINE - EXISTING (BYDA
— dWM — dWM —	WATER LINE - EXISTING (BYDA)
— C — C —	PROPOSED TELECOMMUNICATIONS LINE
— E — E —	PROPOSED U/G ELECTRICAL LINE
━ ━ ━	EXTENT OF WORKS BOUNDARY
═══	PROPOSED STORMWATER
12/1	PROPOSED PIT NO. - LINE NO.
○ ▭ □	PROPOSED STORMWATER PITS
— W100 —	PROPOSED WATERMAIN (Ø100)
— W300 —	PROPOSED WATERMAIN (Ø300)
— 3.00 —	DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
——	DESIGN CONTOUR - MINOR (0.1m INTERVAL)

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.
2. FOR STORMWATER LONGITUDINAL SECTIONS REFER DRAWINGS 304702009-02-007-DR-CI-000402-000403.

LAYOUT PLAN
SCALE 1:200

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Plotted: McGuiness, Ryan Date: 7/08/2026 1:48:43 PM

1:200	2	0 2 4 6 8	10	A1
1:400				A3

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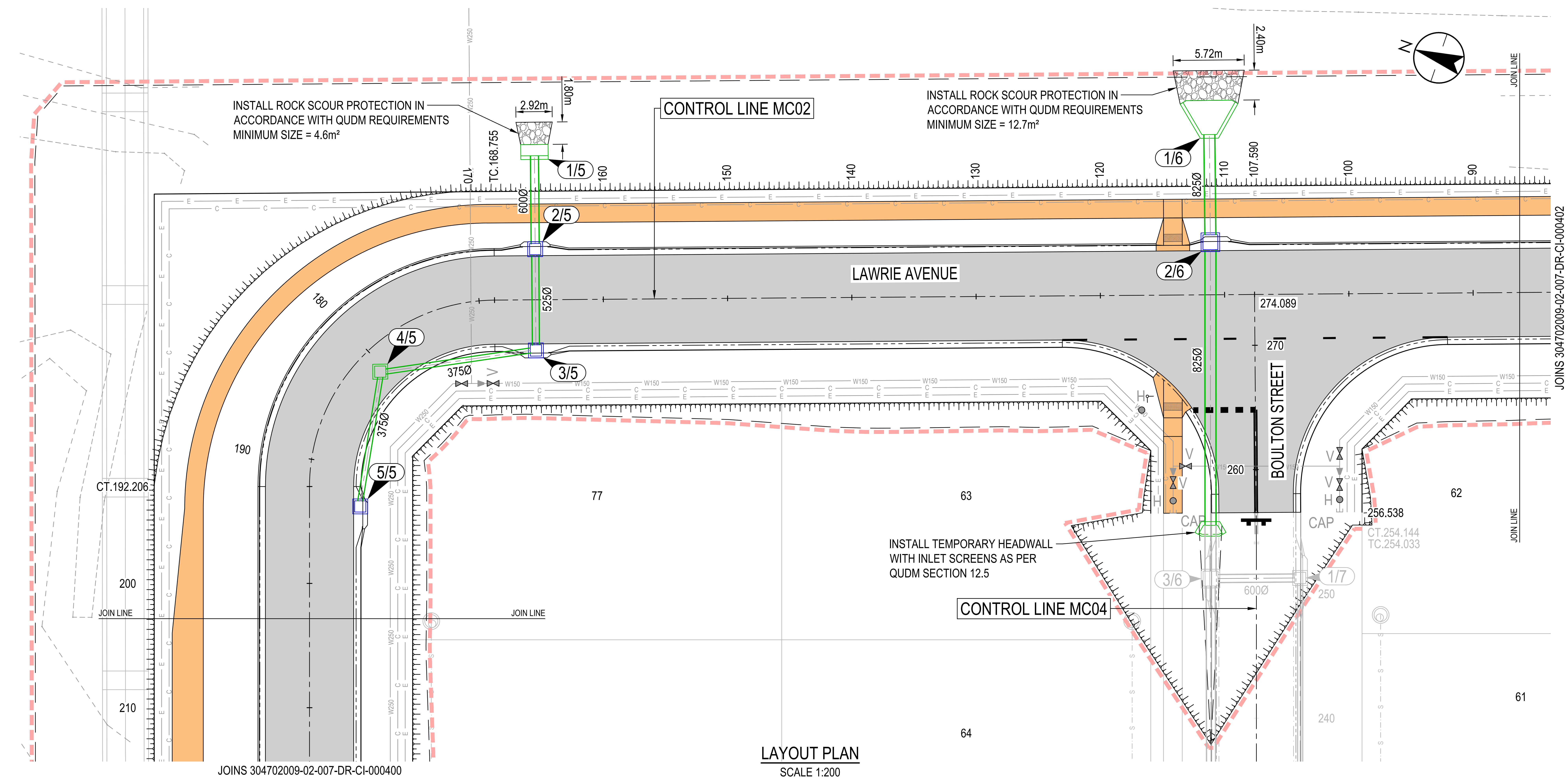
			GC	GC	GJ	BM	2026.08.07
Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title STORMWATER DRAINAGE LAYOUT PLAN

SHEET 1 OF 3

Project No. 304702009
Scale at A1 AS SHOWN
Drawing No. 304702009-02-007-DR-CI-000400
Revision P01

ORIGINAL SHEET - ISO A1



LAYOUT PLAN
SCALE 1:200

LEGEND:

— D — D —	STORMWATER LINE - EXISTING
— S — S —	SEWER MAIN - EXISTING
— W — W —	WATERMAIN - EXISTING
— dE — dE —	U/G ELECTRICAL LINE - EXISTING (BYDA)
— dS — dS —	SEWER LINE - EXISTING (BYDA)
— dTU — dTU —	TELECOMMUNICATIONS LINE - EXISTING (BYDA
— dWM — dWM —	WATER LINE - EXISTING (BYDA)
— C — C —	PROPOSED TELECOMMUNICATIONS LINE
— E — E —	PROPOSED U/G ELECTRICAL LINE
▬ ▬ ▬	EXTENT OF WORKS BOUNDARY
═══	PROPOSED STORMWATER
◀ 12/1	PROPOSED PIT NO. - LINE NO.
○ ▬ □	PROPOSED STORMWATER PITS
— W100 —	PROPOSED WATERMAIN (Ø100)
— W300 —	PROPOSED WATERMAIN (Ø300)
— 3.00 —	DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
———	DESIGN CONTOUR - MINOR (0.1m INTERVAL)

NOTE:

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2. FOR STORMWATER LONGITUDINAL SECTIONS REFER DRAWINGS 304702009-02-007-DR-CI-000402-000403.

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Plotted: McGuiness, Ryan Date: 7/08/2026 1:48:56 PM

1:200 2 0 2 4 6 8 10 A1
1:400 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
A4
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14:56:20+10'00'

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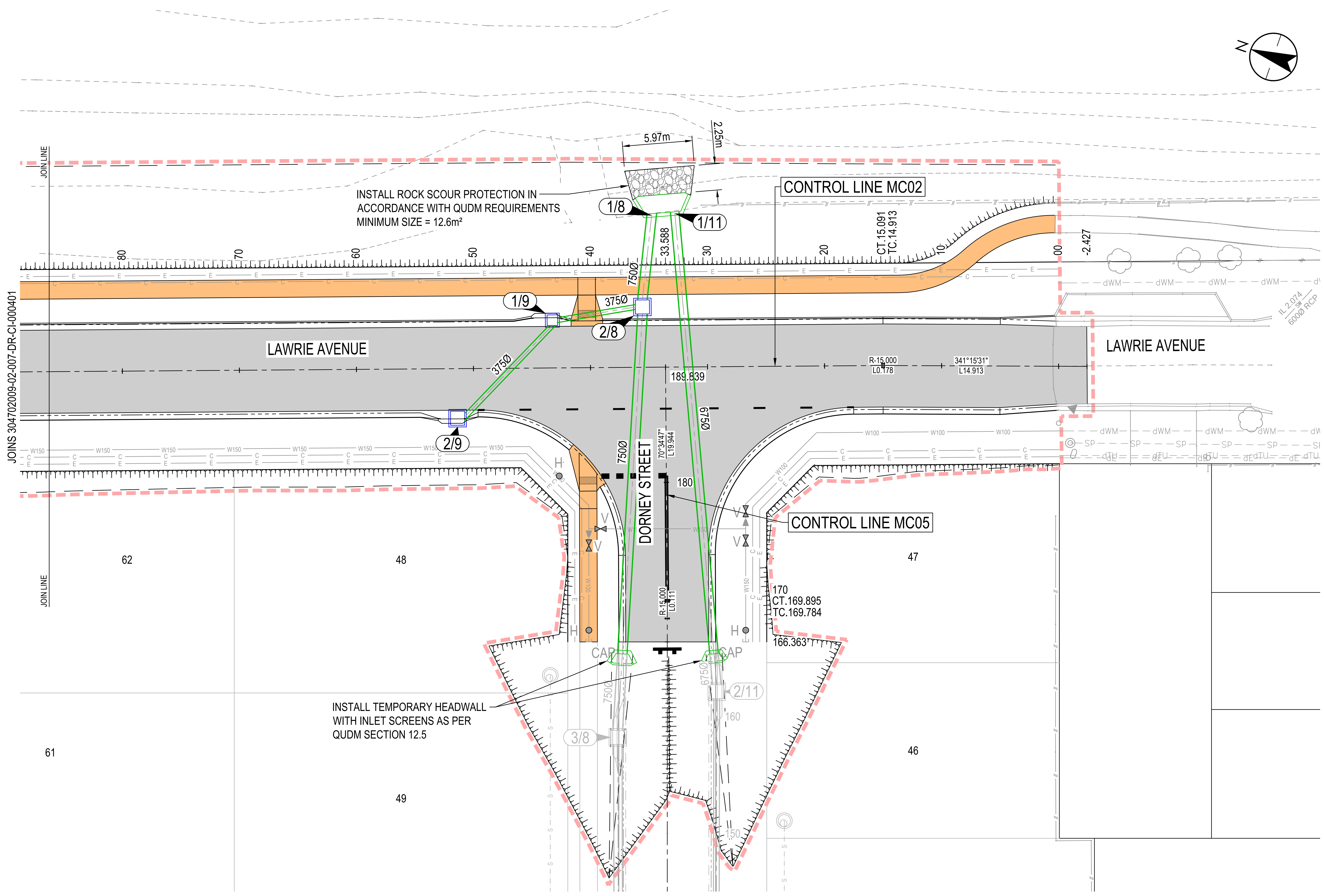
			GC	GC	GJ	BM	2026.08.07

Title STORMWATER DRAINAGE LAYOUT PLAN
SHEET 2 OF 3

Project No.
304702009
Scale at A1
AS SHOWN
Drawing No.
304702009-02-007-DR-CI-000401
Revision
P01

ORIGINAL SHEET - ISO A1



LAYOUT PLAN
SCALE 1:200

LEGEND:

— D — D —	STORMWATER LINE - EXISTING
— S — S —	SEWER MAIN - EXISTING
— W — W —	WATERMAIN - EXISTING
— dE — dE —	U/G ELECTRICAL LINE - EXISTING (BYDA)
— dS — dS —	SEWER LINE - EXISTING (BYDA)
— dTU — dTU —	TELECOMMUNICATIONS LINE - EXISTING (BYDA)
— dWM — dWM —	WATER LINE - EXISTING (BYDA)
— C — C —	PROPOSED TELECOMMUNICATIONS LINE
— E — E —	PROPOSED U/G ELECTRICAL LINE
▬ ▬ ▬	EXTENT OF WORKS BOUNDARY
═══	PROPOSED STORMWATER
◀(12/1)	PROPOSED PIT NO. - LINE NO.
○ ▬ □	PROPOSED STORMWATER PITS
— W100 —	PROPOSED WATERMAIN (Ø100)
— W300 —	PROPOSED WATERMAIN (Ø300)
— 3.00 —	DESIGN CONTOUR - MAJOR (1.0m INTERVAL)
———	DESIGN CONTOUR - MINOR (0.1m INTERVAL)

NOTE:

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2. FOR STORMWATER LONGITUDINAL SECTIONS REFER DRAWINGS 304702009-02-007-DR-CI-000402-000403.

1:200 2 0 2 4 6 8 10 A1
1:400 A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
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Issue Status
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14:56:33+10'00'

			GC	GC	GJ	BM	2026.08.07
Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title STORMWATER DRAINAGE LAYOUT PLAN
SHEET 3 OF 3

Project No.
304702009
Scale at A1
AS SHOWN
Drawing No.
304702009-02-007-DR-CI-000402
Revision
P01

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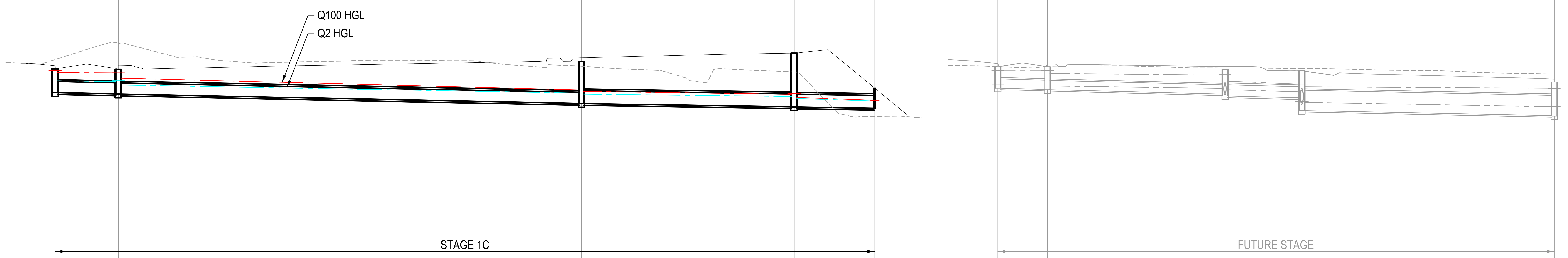
ORIGINAL SHEET - ISO A1

LINE	D01								
STRUCTURE NAME	5-1		4-1		3-1		2-1		1-1
STRUCTURE DESCRIPTION	SAG LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C		SAG LIP IN LINE GULLY 2.4m LINTEL, BARRIER K&C		ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (Right); BARRIER K&C		ACCESS CHAMBER (1050mm dia.) CLASS D COVER		
PIPE SIZE (mm)		450		450		525		525	
PIPE CLASS & TYPE		4		4		4		4	
PIPE GRADE (%)		0.40%		0.40%		0.30%		0.30%	
PIPE SLOPE (1 in X)		250.0		250.0		333.3		333.3	
FULL PIPE VELOCITY (m/s)		0.80		1.13		0.90		0.89	
NORMAL DEPTH VELOCITY (m/s)		1.23		1.29		1.22		1.21	
PIPE FLOW (cumecs)		0.127		0.179		0.195		0.193	
CAPACITY FLOW (cumecs)		0.180		0.180		0.236		0.236	
DATUM RL	-11.000								
HGL IN PIPE & WSE IN STRUCTURE	4.420 4.140		4.114 4.143 3.970		3.640 3.599		3.510 3.528 3.419		3.319
FINISHED (& EXISTING) SURFACE LEVEL	4.739 (5.005)		4.754 (5.661)		5.080 (4.737)		5.267 (4.498)		3.838 (2.696)
DEPTH OF INVERT BELOW FSL	1.078		1.145 1.155		1.857 1.867		2.185 2.195		0.815 0.815
INVERT LEVEL	3.660		3.609 3.599		3.222 3.212		3.083 3.073		3.023 3.023
STRUCTURE SETOUT (EASTING & NORTHING)	E480161.090 N7867294.187		E480156.904 N7867306.347		E480246.340 N7867335.610		E480287.007 N7867350.338		E480283.778 N7867366.418
CHAINAGE & CALCULATED PIPE LENGTHS	0.000	12.860m	12.860	94.101m	106.961	43.252m	150.213	16.402m	166.615

LINE	D02								
STRUCTURE NAME	8-2		7-2		6-2		5-2		4-2
STRUCTURE DESCRIPTION	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL(Right); MOUNTABLE K&C		ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (LEFT); MOUNTABLE K&C		ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (LEFT); MOUNTABLE K&C		TCC STANDARD TYPE 1 MANHOLE CLASS D COVER		ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (LEFT); MOUNTABLE K&C
PIPE SIZE (mm)		375		375		450		825	
PIPE CLASS & TYPE		4		4		4		4	
PIPE GRADE (%)		0.50%		0.50%		0.50%		0.40%	
PIPE SLOPE (1 in X)		200.0		200.0		200.0		250.0	
FULL PIPE VELOCITY (m/s)		0.07		0.38		0.76		0.59	
NORMAL DEPTH VELOCITY (m/s)		0.63		1.01		1.33		1.54	
PIPE FLOW (cumecs)		0.008		0.042		0.121		0.316	
CAPACITY FLOW (cumecs)		0.124		0.124		0.202		0.908	
DATUM RL	-11.000								
HGL IN PIPE & WSE IN STRUCTURE	3.974 3.971		3.971 3.972 3.932		3.836 3.852 3.779		3.692 3.305 3.266		3.084 3.064
FINISHED (& EXISTING) SURFACE LEVEL	4.827 (4.719)		4.826 (4.738)		4.718 (4.668)		4.551 (4.641)		4.208 (4.419)
DEPTH OF INVERT BELOW FSL	0.984		1.035 1.045		1.117 1.190		1.101 1.621		1.483 1.503
INVERT LEVEL	3.842		3.792 3.782		3.601 3.527		3.449 2.930		2.725 2.705
STRUCTURE SETOUT (EASTING & NORTHING)	E480264.361 N7867315.071		E480273.879 N7867318.345		E480285.628 N7867284.211		E480291.492 N7867269.739		E480340.204 N7867285.794
CHAINAGE & CALCULATED PIPE LENGTHS	0.000	10.065m	10.065	36.100m	46.164	15.615m	61.779	51.290m	113.069



STORMWATER LONGITUDINAL SECTION

SCALE 1:500 HORIZTONAL, SCALE 1:100 VERTICAL

1:500 10 5 0 10 20 A1
1:1000 A3
HORIZONTAL
1:100 2 1 0 2 4 A1
1:200 A3
VERTICAL

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
A4
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Client/Project
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STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:56:46+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 1 OF 4

Project No. 304702009
Scale at A1 AS SHOWN
Drawing No. 304702009-02-007-DR-CI-000403
Revision P01

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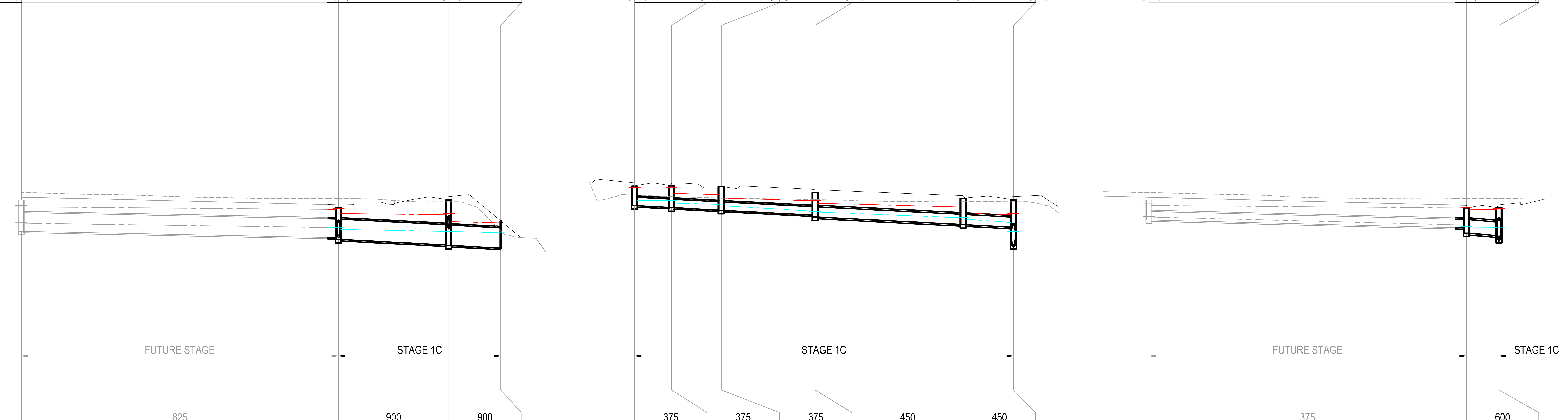
Plotted: McGuiness, Ryan Date: 7/08/2026 1:49:19 PM
ORIGINAL SHEET - ISO A1



LINE D02

STRUCTURE NAME	4-2	3-2	2-2	1-2
STRUCTURE DESCRIPTION	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (LEFT); MOUNTABLE K&C	SAG LIP IN LINE GULLY 3.6m LINTEL; MOUNTABLE K&C	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (left); BARRIER K&C	
HGL IN PIPE & WSE IN STRUCTURE	3.084 3.064	2.868 2.888 2.789	2.680 2.703 2.576	2.640
FINISHED (& EXISTING) SURFACE LEVEL	4.208 (4.419)	3.874 (4.157)	4.237 (4.009)	3.164 (2.716)
DEPTH OF INVERT BELOW FSL	1.483 1.503	1.449 1.531	2.138 2.160	1.202 1.202
INVERT LEVEL	2.725 2.705	2.425 2.343	2.099 2.077	1.962 1.962
STRUCTURE SETOUT (EASTING & NORTHING)	E480340.204 N7867285.794	E480406.350 N7867308.732	E480426.583 N7867322.266	E480437.405 N7867326.109
CHAINAGE	113.069	183.079	207.421	218.905

	FUTURE STAGE	STAGE 1C	STAGE 1C
PIPE SIZE (mm)	825	900	900
PIPE CLASS & TYPE	4	4	4
PIPE GRADE (%)	0.40%	1.00%	1.00%
PIPE SLOPE (1 in X)	250.0	100.0	100.0
FULL PIPE VELOCITY (m/s)	0.67	0.92	1.14
NORMAL DEPTH VELOCITY (m/s)	1.60	2.54	2.69
PIPE FLOW (cumecs)	0.357	0.583	0.722
CAPACITY FLOW (cumecs)	0.908	1.811	1.811
DATUM RL			
CALCULATED PIPE LENGTHS	70.010m	24.342m	11.484m

LINE D03

STRUCTURE NAME	5-3	4-3	3-3	2-3	1-3	2-2
STRUCTURE DESCRIPTION	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (left); BARRIER K&C	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL(Right); MOUNTABLE K&C	TCC STANDARD TYPE 1 MANHOLE CLASS D COVER	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL(Right); MOUNTABLE K&C	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL(Right); MOUNTABLE K&C	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (left); BARRIER K&C
HGL IN PIPE & WSE IN STRUCTURE	4.090 4.071	4.071 4.075 3.953	3.894 3.904 3.833	3.597 3.581 3.559	3.304 3.316 3.242	3.092 2.703 2.576
FINISHED (& EXISTING) SURFACE LEVEL	4.847 (4.306)	4.832 (4.235)	4.682 (4.171)	4.540 (4.104)	4.279 (4.036)	4.237 (4.009)
DEPTH OF INVERT BELOW FSL	1.009	1.076 1.086	1.045 1.055	1.120 1.205	1.271 1.281	1.350 2.160
INVERT LEVEL	3.838	3.757 3.747	3.637 3.627	3.420 3.335	3.008 2.998	2.887 2.077
STRUCTURE SETOUT (EASTING & NORTHING)	E480383.617 N7867381.909	E480386.273 N7867374.189	E480397.050 N7867376.202	E480405.427 N7867357.272	E480416.289 N7867326.459	E480426.583 N7867322.266
CHAINAGE	-72.501	-64.336	-53.372	-32.672	0.000	11.115

	STAGE 1C	STAGE 1C	STAGE 1C	STAGE 1C	STAGE 1C
PIPE SIZE (mm)	375	375	375	450	450
PIPE CLASS & TYPE	4	4	4	4	4
PIPE GRADE (%)	1.00%	1.00%	1.00%	1.00%	1.00%
PIPE SLOPE (1 in X)	100.0	100.0	100.0	100.0	100.0
FULL PIPE VELOCITY (m/s)	0.20	0.72	0.72	0.65	0.76
NORMAL DEPTH VELOCITY (m/s)	1.08	1.55	1.55	1.65	1.72
PIPE FLOW (cumecs)	0.022	0.079	0.079	0.103	0.122
CAPACITY FLOW (cumecs)	0.175	0.175	0.175	0.285	0.285
DATUM RL	-11.000				
CALCULATED PIPE LENGTHS	8.165m	10.964m	20.700m	32.672m	11.115m

LINE D04

STRUCTURE NAME	2-4	1-4	3-2
STRUCTURE DESCRIPTION	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL(Right); MOUNTABLE K&C	SAG LIP IN LINE GULLY 3.6m LINTEL; MOUNTABLE K&C	SAG LIP IN LINE GULLY 3.6m LINTEL; MOUNTABLE K&C
HGL IN PIPE & WSE IN STRUCTURE	3.366 3.336	2.984 2.925 2.855	2.868 2.888 2.789
FINISHED (& EXISTING) SURFACE LEVEL	4.208 (4.418)	3.855 (4.158)	3.874 (4.157)
DEPTH OF INVERT BELOW FSL	1.002	1.000 1.232	1.359 1.531
INVERT LEVEL	3.205	2.855 2.624	2.516 2.343
STRUCTURE SETOUT (EASTING & NORTHING)	E480342.502 N7867279.113	E480408.746 N7867301.930	E480406.350 N7867308.732
CHAINAGE	0.000	70.064	77.275

	FUTURE STAGE	STAGE 1C
PIPE SIZE (mm)	375	600
PIPE CLASS & TYPE	4	4
PIPE GRADE (%)	0.50%	1.50%
PIPE SLOPE (1 in X)	200.0	66.7
FULL PIPE VELOCITY (m/s)	0.29	0.46
NORMAL DEPTH VELOCITY (m/s)	0.94	2.00
PIPE FLOW (cumecs)	0.032	0.131
CAPACITY FLOW (cumecs)	0.124	0.752
DATUM RL	-11.000	
CALCULATED PIPE LENGTHS	70.064m	7.211m

STORMWATER LONGITUDINAL SECTION

SCALE 1:500 HORIZTONAL, SCALE 1:100 VERTICAL

1:500 10 5 0 10 20 A1
1:1000 HORIZONTAL A3
1:100 2 1 0 2 4 A1
1:200 VERTICAL A3

Issued/Revision		By	Appd	YYYY.MM.DD
P01	ISSUED FOR TENDER	GC	GJ	2026.08.07

Issue Status
A4
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Coordinate System
MGA/20-Zone 55
Datum
mAHD

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ECONOMIC DEVELOPMENT QUEENSLAND
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STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:56:59+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 2 OF 4

Project No. 304702009
Scale at A1 AS SHOWN
Drawing No. 304702009-02-007-DR-CI-000404
Revision P01

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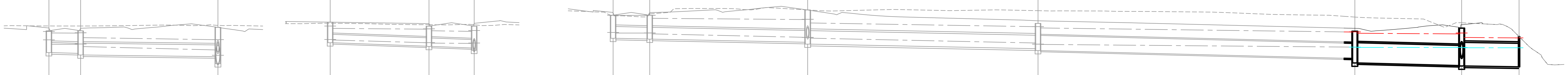
ORIGINAL SHEET - ISO A1



STRUCTURE NAME	2-5		1-5		5-2
STRUCTURE DESCRIPTION	SAG LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C		SAG LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C		TCC STANDARD TYPE 1 MANHOLE CLASS D COVER
		FUTURE STAGE			
PIPE SIZE (mm)		450		525	
PIPE CLASS & TYPE		4		4	
PIPE GRADE (%)		0.50%		0.25%	
PIPE SLOPE (1 in X)		200.0		400.0	
FULL PIPE VELOCITY (m/s)		0.63		0.91	
NORMAL DEPTH VELOCITY (m/s)		1.27		1.13	
PIPE FLOW (cumecs)		0.100		0.197	
CAPACITY FLOW (cumecs)		0.202		0.215	
DATUM RL		-11.000			
HGL IN PIPE & WSE IN STRUCTURE	3.993 3.797		3.793 3.809 3.695		3.543 3.305 3.266
FINISHED (& EXISTING) SURFACE LEVEL	4.511 (4.613)		4.511 (4.612)		4.551 (4.641)
DEPTH OF INVERT BELOW FSL	1.085		1.121 1.191		1.307 1.621
INVERT LEVEL	3.425		3.390 3.320		3.244 2.930
STRUCTURE SETOUT (EASTING & NORTHING)	E480265.110 N7867252.474		E480262.811 N7867259.150		E480291.492 N7867269.739
CHAINAGE & CALCULATED PIPE LENGTHS	0.000	7.060m	7.060	30.573m	37.633
LINE			D05		

STRUCTURE NAME	2-6		1-6		6-2
STRUCTURE DESCRIPTION	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL(Right); MOUNTABLE K&C		ON-GRADE LIP IN LINE GULLY 2.4m LINTEL(Right); MOUNTABLE K&C		ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (LEFT); MOUNTABLE K&C
		FUTURE STAGE			
PIPE SIZE (mm)		375		375	
PIPE CLASS & TYPE		4		4	
PIPE GRADE (%)		0.70%		0.70%	
PIPE SLOPE (1 in X)		142.9		142.9	
FULL PIPE VELOCITY (m/s)		0.26		0.38	
NORMAL DEPTH VELOCITY (m/s)		1.03		1.15	
PIPE FLOW (cumecs)		0.029		0.042	
CAPACITY FLOW (cumecs)		0.147		0.147	
DATUM RL		-11.000			
HGL IN PIPE & WSE IN STRUCTURE	4.012 3.987		3.865 3.868 3.849		3.836 3.852 3.779
FINISHED (& EXISTING) SURFACE LEVEL	4.784 (4.735)		4.718 (4.671)		4.718 (4.668)
DEPTH OF INVERT BELOW FSL	0.919		1.007 1.017		1.087 1.190
INVERT LEVEL	3.865		3.711 3.701		3.631 3.527
STRUCTURE SETOUT (EASTING & NORTHING)	E480268.951 N7867301.738		E480276.112 N7867280.935		E480285.628 N7867284.211
CHAINAGE & CALCULATED PIPE LENGTHS	-18.051	22.002m	3.951	10.064m	14.015
LINE			D06		

STRUCTURE NAME	7-7		6-7		5-7		4-7		3-7		2-7		1-7
STRUCTURE DESCRIPTION	SAG LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C		SAG LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C		TCC STANDARD TYPE 1 MANHOLE CLASS D COVER		ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (LEFT); MOUNTABLE K&C		SAG LIP IN LINE GULLY 3.6m LINTEL; MOUNTABLE K&C		SAG LIP IN LINE GULLY 3.6m LINTEL; BARRIER K&C		
		FUTURE STAGE								STAGE 1C			
PIPE SIZE (mm)		525		525		600		675		900		1050	
PIPE CLASS & TYPE		4		4		4		4		4		4	
PIPE GRADE (%)		0.40%		0.40%		0.40%		0.50%		0.50%		0.30%	
PIPE SLOPE (1 in X)		250.0		250.0		250.0		200.0		200.0		333.3	
FULL PIPE VELOCITY (m/s)		0.23		0.51		0.55		0.54		0.47		0.40	
NORMAL DEPTH VELOCITY (m/s)		0.96		1.19		1.30		1.48		1.64		1.41	
PIPE FLOW (cumecs)		0.050		0.111		0.156		0.194		0.298		0.349	
CAPACITY FLOW (cumecs)		0.272		0.272		0.389		0.595		1.281		1.496	
DATUM RL		-12.000											
HGL IN PIPE & WSE IN STRUCTURE	3.325 3.298		3.297 3.301 3.260		3.107 3.103 3.070		2.854 2.804 2.790		2.670 2.671 2.656		2.653 2.656 2.641		2.640
FINISHED (& EXISTING) SURFACE LEVEL	4.193 (4.065)		4.216 (4.157)		4.327 (4.329)		3.844 (4.296)		3.510 (4.010)		3.669 (3.756)		3.139
DEPTH OF INVERT BELOW FSL	1.129		1.185 1.190		1.441 1.522		1.244 1.327		1.346 1.546		1.824 1.840		1.349 1.349
INVERT LEVEL	3.064		3.032 3.027		2.886 2.805		2.599 2.516		2.164 1.964		1.845 1.829		1.791 1.791
STRUCTURE SETOUT (EASTING & NORTHING)	E480285.026 N7867180.487		E480282.370 N7867188.202		E480315.400 N7867200.289		E480364.112 N7867216.344		E480430.773 N7867239.459		E480454.057 N7867244.331		E480466.111 N7867248.581
CHAINAGE & CALCULATED PIPE LENGTHS	0.000	8.160m	8.160	35.172m	43.332	51.290m	94.622	70.555m	165.176	23.788m	188.964	12.781m	201.745
LINE							D07						

STORMWATER LONGITUDINAL SECTION

SCALE 1:500 HORIZTONAL, SCALE 1:100 VERTICAL

1:500	10	5	0	10	20	A1	
1:1000						A3	HORIZONTAL
1:50	1	0.5	0	1	2	A1	
1:100						A3	VERTICAL

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
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Melita, Brendan
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14:57:12+10'00'

			GC	GC	GJ	BM	2026.08.07
Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 3 OF 4

Project No. 304702009

Scale at A1 AS SHOWN

Drawing No. 304702009-02-007-DR-CI-000405

Revision P01

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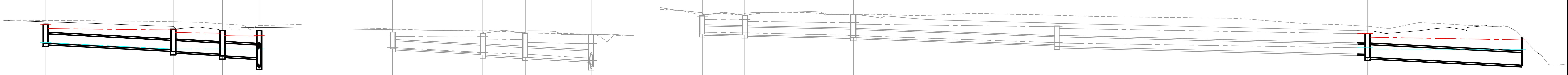
ORIGINAL SHEET - ISO A1



	3-8	pipe	2-8	pipe	1-8	pipe	2-7
STRUCTURE NAME	3-8		2-8		1-8		2-7
STRUCTURE DESCRIPTION	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL(Right); MOUNTABLE K&C		ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (LEFT); MOUNTABLE K&C		ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (left); BARRIER K&C		SAG LIP IN LINE GULLY 3.6m LINTEL, BARRIER K&C
		STAGE 1C		STAGE 1C		STAGE 1C	
PIPE SIZE (mm)		450		525		600	
PIPE CLASS & TYPE		4		4		4	
PIPE GRADE (%)		1.00%		1.00%		1.00%	
PIPE SLOPE (1 in X)		100.0		100.0		100.0	
FULL PIPE VELOCITY (m/s)		0.02		0.08		0.14	
NORMAL DEPTH VELOCITY (m/s)		0.57		0.97		1.21	
PIPE FLOW (cumecs)		0.003		0.017		0.038	
CAPACITY FLOW (cumecs)		0.285		0.430		0.614	
DATUM RL	-12.000						
HGL IN PIPE & WSE IN STRUCTURE	2.949		2.653 2.650		2.655 2.653		2.653 2.656 2.641
FINISHED (& EXISTING) SURFACE LEVEL	3.934 (4.000)		3.718 (3.936)		3.683 (3.839)		3.669 (3.756)
DEPTH OF INVERT BELOW FSL	1.020		1.106 1.193		1.275 1.358		1.430 1.840
INVERT LEVEL	2.914		2.612 2.525		2.408 2.326		2.239 1.829
STRUCTURE SETOUT (EASTING & NORTHING)	E480430.631 N7867285.782		E480440.520 N7867257.277		E480451.166 N7867252.538		E480454.057 N7867244.331
CHAINAGE & CALCULATED PIPE LENGTHS	-30.321	30.171m	-0.150	11.653m	11.503	8.701m	20.204

LINE D08

	3-9	pipe	2-9	pipe	1-9	pipe	5-7
STRUCTURE NAME	3-9		2-9		1-9		5-7
STRUCTURE DESCRIPTION	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL(Right); MOUNTABLE K&C		ON-GRADE LIP IN LINE GULLY 2.4m LINTEL(Right); MOUNTABLE K&C		ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (LEFT); MOUNTABLE K&C		TCC STANDARD TYPE 1 MANHOLE CLASS D COVER
		FUTURE STAGE		FUTURE STAGE		FUTURE STAGE	
PIPE SIZE (mm)		375		450		450	
PIPE CLASS & TYPE		4		4		4	
PIPE GRADE (%)		1.00%		1.00%		1.00%	
PIPE SLOPE (1 in X)		100.0		100.0		100.0	
FULL PIPE VELOCITY (m/s)		0.05		0.15		0.30	
NORMAL DEPTH VELOCITY (m/s)		0.71		1.09		1.33	
PIPE FLOW (cumecs)		0.005		0.024		0.047	
CAPACITY FLOW (cumecs)		0.175		0.285		0.285	
DATUM RL	-11.000						
HGL IN PIPE & WSE IN STRUCTURE	3.715 3.715		3.495 3.478 3.470		3.414 3.415 3.403		3.223 3.103 3.070
FINISHED (& EXISTING) SURFACE LEVEL	4.562 (4.597)		4.498 (4.504)		4.497 (4.417)		4.327 (4.329)
DEPTH OF INVERT BELOW FSL	0.898		1.047 1.132		1.232 1.242		1.228 1.522
INVERT LEVEL	3.664		3.451 3.366		3.265 3.255		3.099 2.805
STRUCTURE SETOUT (EASTING & NORTHING)	E480293.070 N7867231.674		E480300.020 N7867211.484		E480309.536 N7867214.761		E480315.400 N7867200.289
CHAINAGE & CALCULATED PIPE LENGTHS	-21.352	21.352m	0.000	10.064m	10.064	15.615m	25.679

D09

	6-10	pipe	5-10	pipe	4-10	pipe	3-10	pipe	2-10	pipe	1-10
STRUCTURE NAME	6-10		5-10		4-10		3-10		2-10		1-10
STRUCTURE DESCRIPTION	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL(Right); MOUNTABLE K&C		ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (LEFT); MOUNTABLE K&C		ACCESS CHAMBER (1050mm dia.) CLASS D COVER		ON-GRADE LIP IN LINE GULLY 2.4m LINTEL(Right); MOUNTABLE K&C		SAG LIP IN LINE GULLY 3.6m LINTEL; MOUNTABLE K&C		
		FUTURE STAGE		FUTURE STAGE		FUTURE STAGE		FUTURE STAGE		STAGE 1C	
PIPE SIZE (mm)		375		375		375		450		600	
PIPE CLASS & TYPE		4		4		4		4		4	
PIPE GRADE (%)		0.40%		0.40%		0.70%		0.50%		1.00%	
PIPE SLOPE (1 in X)		250.0		250.0		142.9		200.0		100.0	
FULL PIPE VELOCITY (m/s)		0.11		0.15		0.15		0.34		0.56	
NORMAL DEPTH VELOCITY (m/s)		0.66		0.72		0.88		1.07		1.82	
PIPE FLOW (cumecs)		0.012		0.017		0.017		0.054		0.159	
CAPACITY FLOW (cumecs)		0.111		0.111		0.147		0.202		0.614	
DATUM RL	-12.000										
HGL IN PIPE & WSE IN STRUCTURE	3.451 3.445		3.412 3.412 3.409		3.300 3.284 3.281		2.954 2.932		2.705 2.707 2.648		2.640
FINISHED (& EXISTING) SURFACE LEVEL	4.366 (4.292)		4.335 (4.255)		4.301 (4.276)		3.859 (4.241)		3.510 (3.728)		3.195
DEPTH OF INVERT BELOW FSL	1.005		1.014 1.024		1.093 1.112		1.007 1.086		1.105 1.258		1.309 1.309
INVERT LEVEL	3.361		3.320 3.310		3.208 3.189		2.851 2.773		2.405 2.252		1.886 1.886
STRUCTURE SETOUT (EASTING & NORTHING)	E480316.411 N7867163.494		E480325.961 N7867166.674		E480318.521 N7867191.298		E480363.916 N7867207.642		E480433.581 N7867231.483		E480466.635 N7867247.094
CHAINAGE & CALCULATED PIPE LENGTHS	0.000	10.065m	10.065	25.723m	35.788	48.248m	84.036	73.632m	157.668	36.555m	194.222

D10

STORMWATER LONGITUDINAL SECTION

SCALE 1:500 HORIZTONAL, SCALE 1:100 VERTICAL

1:500 10 5 0 10 20 A1
1:1000 HORIZONTAL A3

1:50 1 0.5 0 1 2 A1
1:100 VERTICAL A3

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
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ECONOMIC DEVELOPMENT QUEENSLAND

OONOONBA PDA
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:57:25+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title
STORMWATER DRAINAGE
LONGITUDINAL SECTIONS
SHEET 4 OF 4

Project No. 304702009
Scale at A1 AS SHOWN
Drawing No. 304702009-02-007-DR-CI-000406
Revision P01

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Plotted: McGuiness, Ryan Date: 7/08/2026 1:49:45 PM
ORIGINAL SHEET - ISO A1

LEGEND:

═	PROPOSED STORMWATER
— D —	EXISTING DRAINAGE
- - -	EXTENT OF WORKS BOUNDARY
—	PROPOSED STORMWATER CATCHMENT BOUNDARY
—	FUTURE STORMWATER CATCHMENT BOUNDARY
▬	PROPOSED STORMWATER CATCHMENT AREA
▬	FUTURE STORMWATER CATCHMENT AREA
1/21A 0.049Ha	PROPOSED CATCHMENT LABEL
1/21A 0.049Ha	FUTURE CATCHMENT LABEL

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304702009-02-007-DR-CI-000010-000012, GENERAL NOTES AND DETAILS.
2. FOR STORMWATER LONGITUDINAL SECTIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000402-000403.
3. FOR STORMWATER CALCULATIONS, REFER DRAWINGS 304702009-02-007-DR-CI-000405.

LAYOUT PLAN

SCALE 1:500

1:500 10 5 0 10 20 A1
1:1000 A3

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ORIGINAL SHEET - ISO A1

P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
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Issue Status
A4
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Coordinate System
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Datum
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STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
14:58:08+10'00'

Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title STORMWATER DRAINAGE
CATCHMENT PLAN

Project No.
304702009

Scale at A1
AS SHOWN

Drawing No.
304702009-02-007-DR-CI-000407

Revision
P01

1 2 3 4 5

	LOCATION			TIME		SUB-CATCHMENT RUNOFF					INLET DESIGN												DRAIN DESIGN												HEAD LOSSES										PART FULL		DESIGN LEVELS							
				Tc	I	fi	C	A	CxA	Qc	Qa			Qrc		dg	Vg	dg.Vg	STRUCTURE	Qg	Qb		Tc	I	+CA	Qt	Qp	L	S			Vf	Vcap	T			S / DO	V2/2g	Ku	hu	Kw	hw	Sf	hf		Vp								
DESIGN ARI	STRUCTURE No	DS STRUCTURE No.	SUB-CATCHMENTS CONTRIBUTING	SUB-CATCHMENT TIME OF CONCENTRATION	RAINFALL INTENSITY	FRACTION IMPERVIOUS	COEFFICIENT OF RUNOFF	SUB-CATCHMENT AREA	EQUIVALENT IMPERVIOUS AREA	SUB-CATCHMENT DISCHARGE	FLOW IN K&C (INC. BYPASS)	ROAD LONGITUDINAL GRADE AT INLET	ROAD XFALL AT INLET	HALF ROAD CAPACITY (AT INLET)	FLOW WIDTH	FLOW DEPTH	FLOW VELOCITY	VELOCITY-DEPTH	TYPE AND DESCRIPTION	FLOW INTO INLET [+ = in] [- = surcharge]	BYPASS FLOW	BYPASS STRUCTURE	CRITICAL TIME OF CONCENTRATION	RAINFALL INTENSITY	TOTAL (C x A)	MAJOR TOTAL FLOW	PIPE FLOW	REACH LENGTH	PIPE GRADE	PIPE SIZE	PIPE CLASS	FLOW VELOCITY FULL (With Downstream	CAPACITY VELOCITY (No Downstream restrictions)	TIME OF FLOW IN REACH (t = L / Vn)	12D KU Method	12D KU/KW CHART IDENTIFIER	SUBMERGENCE RATIO	VELOCITY HEAD	U/S HEAD LOSS COEFFICIENT	U/S HEAD LOSS	W.S.E COEFFICIENT (Kw = Ku where blank)	CHANGE IN W.S.E	PIPE FRICTION SLOPE (HGL grade)	PIPE FRICTION HEAD LOSS - (L x Sf)	PARTIAL DEPTH	PARTIAL DEPTH VELOCITY	PIPE U/S I.L	PIPE D/S I.L	PIPE U/S H.G.L	PIPE D/S H.G.L	UPSTREAM STRUCTURE W.S.E	GRATE LEVEL	FREEBOARD	STRUCTURE No
yrs				min	mm/h	%		ha	ha	l/s	l/s	%	%	l/s	m	m	m/s			l/s	l/s		min	mm/hr	ha	l/s	l/s	m	%	mm		m/s	m/s	sec				m		m		m	%	m	m	m/s	m	m	m	m	m	m	m	
Q2 Q100	6-1	5-1	; 6-1	5.0	128.0 302.0	90	0.89 0.89	0.398	0.355 0.355	126 298	126 298	0.30	3.00	349		0.050 0.250			SAG LIP IN LINE GULLY - 3.6m LINTEL; MOUNTABLE K&C	126 196	0 102	2-3	5.00 5.00	128.0 302.0	0.355 0.355	126 298	126 196	12.86	0.50	600	4	0.45 0.69	1.54	6.4 6.4	Ku,Kw - Missouri/Hare Charts	G2 G2	1.16 1.65	0.010 0.024	9.700 8.877	0.099 0.217		0.099 0.217	-0.01 0.10	0.04 0.01	0.222 0.282	1.33 1.50	3.36	3.30	3.588 4.135	3.588 4.122	3.686 4.352	4.50	0.81 0.15	6-1
Q2 Q100	5-1	4-1	6-1; 5-1	5.0	128.0 302.0	90	0.89 0.89	0.151	0.135 0.135	48 113	49 116	0.30	3.00	349		0.004 0.081			SAG LIP IN LINE GULLY 3.6m LINTEL; BARRIER K&C	49 116	0 0	1-2	5.11 5.11	127.5 300.7	0.490 0.490	174 409	175 310	52.36	0.50	600	4	0.62 1.10	1.54	26.2 26.2	Ku,Kw - Missouri/Hare Charts	T10 T10	1.09 1.45	0.019 0.061	2.218 2.251	0.043 0.138	2.66 2.66	0.052 0.163	0.50 0.25	0.26 0.13	0.265 0.375	1.45 1.67	3.28	3.01	3.545 3.984	3.285 3.851	3.597 4.147	4.48	0.88 0.33	5-1
Q2 Q100	4-1	3-1	6-1; 5-1; 4-1	5.0	128.0 302.0	90	0.89 0.89	0.019	0.017 0.017	6 14	6 14	0.38	3.00	246	0.96 1.50	0.055 0.071	0.30 0.36	0.02 0.03	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (RIGHT); BARRIER K&C	5 11	1 3	5-1	5.54 5.54	125.4 295.4	0.507 0.507	176 416	176 313	20.42	0.50	600	4	0.62 1.11	1.54	10.2 10.2	Direct			0.020 0.063	1.000 1.000	0.020 0.063		0.020 0.063	0.35 0.26	0.10 0.05	0.266 0.378	1.46 1.67	2.99	2.89	3.265 3.788	3.192 3.735	3.285 3.851	4.93	1.65 1.08	4-1
Q2 Q100	3-1	2-1	2-4; 1-4; 2-3; 1-3; 6-1; 5-1; 4-1									0.50	3.00						PRECAST MANHOLE - 1050mm dia.CLASS D COVER		0 0		5.71 5.71	124.6 293.3	0.843 0.843	292 687	290 599	22.83	0.50	750	4	0.66 1.36	1.78	11.4 11.4	Ku,Kw - Missouri/Hare Charts	T3/T6 T3/T6	1.07 1.30	0.022 0.094	1.940 2.053	0.043 0.193	2.28 2.38	0.050 0.223	0.24 0.26	0.10 0.06	0.315 0.490	1.65 1.96	2.82	2.71	3.150 3.542	3.094 3.482	3.200 3.766	4.87	1.67 1.10	3-1
Q2 Q100	2-1	1-1	2-2; 1-2; 2-4; 1-4; 2-3; 1-3; 6-1; 5-1; 4-1									0.50	3.00						PRECAST MANHOLE - 1050mm dia.CLASS D COVER		0 0		5.90 5.90	123.7 291.0	0.967 0.967	332 782	322 672	10.62	0.50	750	4	0.73 1.52	1.78	5.3 5.3	Ku,Kw - Missouri/Hare Charts	T9/T10 T9/T10	1.10 1.43	0.027 0.118	2.228 2.227	0.060 0.263	2.70 2.70	0.073 0.319	0.61 0.72	0.05 0.06	0.334 0.533	1.69 2.00	2.69	2.63	3.034 3.219	2.969 3.143	3.107 3.538	4.75	1.64 1.21	2-1
Q2 Q100	1-3	3-1	2-4; 1-4; 2-3; 1-3	5.0	128.0 302.0	90	0.89 0.89	0.156	0.139 0.139	49 117	49 117	0.47	3.00	308		0.000 0.079			SAG LIP IN LINE GULLY - 3.6m LINTEL; MOUNTABLE K&C	49 117	0 0	4-6	5.20 5.20	127.0 299.6	0.335 0.335	118 278	116 294	24.68	1.00	525	4	0.54 1.36	1.99	12.3 12.3	Ku,Kw - Missouri/Hare Charts	T6/T9 T6/T9	1.08 1.68	0.015 0.094	2.362 2.287	0.035 0.215	2.70 2.58	0.040 0.242	1.00 0.47	0.25 0.11	0.187 0.318	1.69 2.14	3.21	2.97	3.439 3.850	3.192 3.735	3.479 4.092	4.37	0.89 0.28	1-3
Q2 Q100	3-1	2-1	2-4; 1-4; 2-3; 1-3; 6-1; 5-1; 4-1									0.50	3.00						PRECAST MANHOLE - 1050mm dia.CLASS D COVER		0 0														Ku,Kw - Missouri/Hare Charts	T3/T6 T3/T6	1.07 1.30		1.940 2.053	0.043 0.193	2.28 2.38	0.050 0.223									3.200 3.766	4.87	1.67 1.10	3-1
Q2 Q100	2-4	1-4	; 2-4	5.0	128.0 302.0	90	0.89 0.89	0.043	0.039 0.039	14 32	14 32	0.33	3.00	224	1.72 2.41	0.060 0.079	0.32 0.40	0.02 0.03	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (LEFT); MOUNTABLE K&C	11 26	3 6	2-3	5.00 5.00	128.0 302.0	0.039 0.039	14 32	11 26	10.06	0.50	375	4	0.10 0.23	1.12	5.0 5.0	Ku,Kw - Missouri/Hare Charts	G2 G2	1.01 1.61	0.001 0.003	9.700 9.111	0.026		0.026	0.48 0.02	0.05 0.00	0.075 0.116	0.69 0.89	3.52	3.47	3.592 4.095	3.544 4.093	3.597 4.120	4.44	0.84 0.31	2-4
Q2 Q100	1-4	1-3	2-4; 1-4	5.0	128.0 302.0	90	0.89 0.89	0.025	0.023 0.023	8 19	8 19	0.33	3.00	223	1.40 1.96	0.051 0.067	0.28 0.35	0.01 0.02	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (RIGHT); MOUNTABLE K&C	6 15	2 4	LOST	5.08 5.08	127.6 301.0	0.061 0.061	22 51	17 41	23.77	0.50	375	4	0.16 0.37	1.12	11.9 11.9	Ku,Kw - Missouri/Hare Charts	T10 T10	1.01 1.73	0.001 0.007	2.251 2.120	0.015	2.66 2.55	0.018	0.29 0.05	0.09 0.01	0.095 0.148	0.79 1.01	3.45	3.33	3.542 4.078	3.474 4.065	3.545 4.096	4.44	0.89 0.34	1-4
Q2 Q100	1-3	3-1	2-4; 1-4; 2-3; 1-3	5.0	128.0 302.0	90	0.89 0.89	0.156	0.139 0.139	49 117	49 117	0.47	3.00	308		0.000 0.079			SAG LIP IN LINE GULLY - 3.6m LINTEL; MOUNTABLE K&C	49 117	0 0	4-6													Ku,Kw - Missouri/Hare Charts	T6/T9 T6/T9	1.08 1.68		2.362 2.287	0.035 0.215	2.70 2.58	0.040 0.242									3.479 4.092	4.37	0.89 0.28	1-3
Q2 Q100	5-5	4-5	; 5-5	5.0	128.0 302.0	90	0.89 0.89	0.205	0.183 0.183	65 153	72 171	0.45	3.00	156	3.07 4.12	0.098 0.130	0.55 0.69	0.05 0.09	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (RIGHT); MOUNTABLE K&C	58 111	14 60	3-5	5.00 5.00	128.0 302.0	0.183 0.183	65 153	58 111	10.96	1.00	375	4	0.52 1.01	1.59	5.5 5.5	Ku,Kw - Missouri/Hare Charts	G1 G1	1.26 2.06	0.014 0.052	7.000 4.666	0.097 0.242		0.097 0.242	0.89 0.40	0.11 0.04	0.148 0.217	1.42 1.68	3.31	3.20	3.481 3.839	3.384 3.794	3.578 4.081	4.19	0.61 0.11	5-5
Q2 Q100	4-5	3-5	5-5									0.50	3.00						PRECAST MANHOLE - 1050mm dia.CLASS D COVER		0 0		5.09 5.09	127.6 300.9	0.183 0.183	65 153	57 111	12.65	1.00	375	4	0.52 1.00	1.59	6.3 6.3	Ku,Kw - Missouri/Hare Charts	T9/T10 T9/T10	1.10 1.70	0.014 0.051	2.384 2.231	0.033 0.115	2.75 2.65	0.038 0.136	1.21 0.40	0.12 0.05	0.147 0.216	1.42 1.68	3.18	3.05	3.351 3.680	3.199 3.629	3.389 3.816	4.20	0.81 0.38	4-5
Q2 Q100	3-5	2-5	5-5; 3-5	5.0	128.0 302.0	90	0.89 0.89	0.125	0.111 0.111	40 94	54 202	0.45	3.00	306		0.020 0.250			SAG LIP IN LINE GULLY - 2.4m LINTEL; MOUNTABLE K&C	54 192	0 11	2-5	5.20 5.20	127.1 299.6	0.294 0.294	104 245	111 301	8.15	1.00	525	4	0.51 1.39	1.99	4.1 4.1	Ku,Kw - Missouri/Hare Charts	T9/T10 G2/T9/T10	1.07 1.77	0.013 0.099	2.380 3.805	0.032 0.376	2.71 4.09	0.036 0.403	1.48 1.44	0.06 0.07	0.182 0.324	1.67 2.15	2.88	2.80	3.102 3.253	2.982 3.136	3.139 3.657	4.07	0.93 0.41	3-5
Q2 Q100	6-6	5-6	; 6-6	5.0	128.0 302.0	90	0.89 0.89	0.313	0.279 0.279	99 234	99 329	0.18	3.00	308		0.030 0.150			SAG LIP IN LINE GULLY - 3.6m LINTEL; MOUNTABLE K&C	99 193	0 137	2-10	5.00 5.00	128.0 302.0	0.279 0.279	99 234	99 193	7.06	0.50	600	4	0.35 0.68	1.54	3.5 3.5	Ku,Kw - Missouri/Hare Charts	G2 G2	1.10 1.94	0.006 0.024	9.700 7.298	0.061 0.173		0.061 0.173	-0.01 0.10	0.01 0.01	0.195 0.280	1.24 1.49	3.28	3.24	3.549 4.271	3.550 4.264	3.610 4.444	4.51	0.90 0.07	6-6
Q2 Q100	3-8	2-8	2-10; 1-10; 6-8; 4-8; 3-8	5.0	128.0 302.0	90	0.89 0.89	0.311	0.277 0.277	99 233	113 293	0.09	3.00	355		0.041 0.270			SAG LIP IN LINE GULLY - 3.6m LINTEL; MOUNTABLE K&C	113 222	0 71	2-11	6.21 6.21	122.2 287.3	0.731 0.731	248 583	252 601	36.82	0.50	750	4	0.57 1.36	1.78	18.4 18.4	Ku,Kw - Missouri/Hare Charts	T1/T3 T1/T3	1.04 1.61	0.017 0.094	1.770 1.486	0.029 0.140	1.85 1.55	0.031 0.147	0.00 0.29	0.04 0.11	0.292 0.491	1.59 1.96	2.28	2.10	2.659 3.348	2.658 3.241	2.689 3.495	3.63	0.94 0.13	3-8
Q2 Q100	2-8	1-8	2-9; 1-9; 2-10; 1-10; 6-8; 4-8; 3-8; 2-8	0.0	0.0 0.0			0.000	0.000 0.000	0 0	0 0	0.50	3.00	349		0.000 0.000			SAG LIP IN LINE GULLY 3.6m LINTEL; BARRIER K&C	0 0	0 0		6.51 6.51	120.7 283.5	0.815 0.815	273 642	272 679	7.86	0.50	750	4	0.62 1.54	1.78	3.9 3.9	Ku,Kw - Missouri/Hare Charts	T1/T3 T1/T3	1.03 1.58	0.019 0.121	0.858 1.092	0.017 0.132	1.02 1.29	0.020 0.156	0.02 0.37	0.01 0.03	0.304 0.538	1.62 2.00	2.08	2.04	2.642 3.109	2.640 3.080	2.661 3.266	3.99	1.33 0.73	2-8
Q2 Q100	1-8	0	2-9; 1-9; 2-10; 1-10; 6-8; 4-8; 3-8									0.50	3.00						OUTLET STRUCTURE		0 0																														2.640 3.080	3.05		1-8
Q2 Q100	2-9	1-9	; 2-9	5.0	128.0 302.0	90	0.89 0.89	0.067	0.060 0.060	21 50	21 100	0.50	3.00	164	1.89 3.41	0.065 0.107	0.42 0.62	0.03 0.07	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (LEFT); MOUNTABLE K&C	17 74	4 26	3-8	5.00 5.00	128.0 302.0	0.060 0.060	21 50	17 74	11.65	1.00	375	4	0.15 0.67	1.59	5.8 5.8	Ku,Kw - Missouri/Hare Charts	G2 G2	1.03 1.57	0.001 0.023	9.700 9.321	0.012 0.214		0.012 0.214	0.99 -0.05	0.12 0.02	0.079 0.170	1.01 1.52	3.08	2.96	3.168 3.309	3.052 3.314	3.180 3.522	3.96	0.78 0.44	2-9
Q2 Q100	1-9	2-8	2-9; 1-9	5.0	128.0 302.0	90	0.89 0.89	0.026	0.023 0.023	8 19	8 19	0.50	3.00	179	1.07 1.63	0.058 0.075	0.36 0.42	0.02 0.03	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (LEFT); BARRIER K&C	7 16	2 4	LOST	5.10 5.10	127.5 300.8	0.083 0.083	29 70	24 89	7.78	1.00	375	4	0.21 0.81	1.59	3.9 3.9	Ku,Kw - Missouri/Hare Charts	T3/T6 T3/T6	1.01 1.21	0.002 0.033	1.877 1.909	0.064	2.41 2.37	0.006 0.079	1.21 0.12	0.07 0.02	0.093 0.190	1.11 1.59	2.94	2.86	3.048 3.250	2.954 3.241	3.054 3.329	3.90	0.85 0.57	1-9
Q2 Q100	2-8	1-8	2-9; 1-9; 2-10; 1-10; 6-8; 4-8; 3-8; 2-8	0.0	0.0 0.0			0.000	0.000 0.000	0 0	0 0	0.50	3.00	349		0.000 0.000			SAG LIP IN LINE GULLY 3.6m LINTEL; BARRIER K&C	0 0	0 0														Ku,Kw - Missouri/Hare Charts	T1/T3 T1/T3	1.03 1.58		0.858 1.092	0.017 0.132	1.02 1.29	0.020 0.156									2.661 3.266	3.99	1.33 0.73	2-8
Q2 Q100	1-12	4-11	2-12; 1-12	5.0	128.0 302.0	90	0.89 0.89	0.018	0.016 0.016	6 14	6 14	0.06	3.00						ON-GRADE LIP IN LINE GULLY 2.4m LINTEL (LEFT); MOUNTABLE K&C	5 11	1 3	LOST	5.08 5.08	127.6 301.0	0.060 0.060	21 50	17 88	25.72	1.00	375	4	0.15 0.80	1.59	12.9 12.9	Ku,Kw - Missouri/Hare Charts	T9/T10 T9/T10	1.01 1.87	0.001 0.032	2.242 2.058	0.067	2.67 2.51	0.081	0.81 0.25	0.23 0.06	0.079 0.188	1.01 1.59	3.23	2.98	3.326 3.853	3.118 3.788	3.330 3.934	4.33	1.01 0.40	1-12
Q2 Q100	4-11	3-11	2-12; 1-12; 5-11									0.50	3.00						PRECAST MANHOLE - 1050mm dia.CLASS D COVER		0 0														Ku,Kw - Missouri/Hare Charts	T3 T3/T6	1.02 1.64		1.763 1.914	0.008 0.092	2.13 2.20	0.010 0.105									3.119 3.802	4.29	1.18 0.49	4-11

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Plotted: McGuiness, Ryan Date: 7/08/2026 1:50:26 PM

Rev	Description	By	Appd	Date
P01	ISSUED FOR TENDER	GC	GJ	2026.08.07
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DELIVERING FOR QUEENSLAND
Queensland Government

Client/Project
ECONOMIC DEVELOPMENT QUEENSLAND

OONOONBA PDA
STAGE 1C

Melita, Brendan
RPEQ No: 24432
2026.08.07
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Authorised	Ref #	YYYY.MM.DD	Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD
			GC	GC	GJ	BM	2026.08.07

Title STORMWATER DRAINAGE
CALCULATION TABLES

Project No.
304702009
Scale at A1
AS SHOWN
Drawing No.
304702009-02-007-DR-CI-000408
Revision
P01

ORIGINAL SHEET - ISO A1