DOUGLAS SHIRE COUNCIL

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Administration Office
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27 May 2026

Enquiries: Neil Beck
Our Ref: OP 2025_5798/1 (1366762)
Your Ref:

Port Douglas Land Developments Pty Ltd
C-/ Aspire Town Planning
PO Box 1040
MOSSMAN QLD 4873

Dear Daniel

Development Application for Operational Works (Stage 2)
At Captain Cook Highway CRAIGLIE
On Land Described as LOT: 900 SP: 322659

Please find attached the Decision Notice for the above-mentioned development application.

Please quote Council's application number: OP 2025_5798/1 in all subsequent correspondence relating to this development application.

Also find attached a 'Pre-Start' meeting template, which identifies the information that must be provided for Council approval, prior to the commencement of works.

The template also provides the Consulting Engineer with a format for conducting the meeting. An invitation to attend the meeting must be sent to Council's representative Neil Beck on telephone number 07 4099 9451, giving at least five (5) working days notification if possible.

In addition to the Decision Notice, Council provides the following 'Advice Statement' which relates to issues that are relevant to the proposed works:

1. The Consulting Engineer is to present all contractors with a copy of this Decision Notice and the Council approved plans, prior to the commencement of works.

Should you require any clarification regarding this, please contact Neil Beck on telephone 07 4099 9444.

Yours faithfully

For
Leonard Vogel
Manager Environment & Planning

encl.

- Decision Notice
    - Approved Drawing(s) and/or Document(s)
- Advice For Making Representations and Appeals (Decision Notice)

Decision Notice

Approval (with conditions)

Given under s 63 of the Planning Act 2016

Applicant Details

Name:	Port Douglas Land Developments Pty Ltd
Postal Address:	C/- PO Box 723 MOSSMAN QLD 4873
Email:	etp@etp.co.nz or etp@etp.co.nz

Property Details

Street Address:	Captain Cook Highway CRAIGLIE
Real Property Description:	LOT: 900 SP: 322659
Local Government Area:	Douglas Shire Council

Details of Proposed Development

Development Permit for Operational Works – Stage 2

Decision

Date of Decision:	27 May 2026
Decision Details:	Approved (subject to conditions)

Approved Drawing(s) and/or Document(s)

Copies of the following plans, specifications and/or drawings are enclosed.

Drawing or Document	Reference	Date
COVER SHEET	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1000, Rev C05, Prepared by Stantec	24/02/2026
GENERAL NOTES AND DETAILS SHEET 1	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1003, Rev C05, Prepared by Stantec	24/02/2026

GENERAL NOTES AND DETAILS SHEET 2	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1004, Rev C05, Prepared by Stantec	24/02/2026
GENERAL NOTES AND DETAILS SHEET 3	Project No. 304701584, Darwing No: 304701854-STN-02-200-DR-CI-1005, Rev C01, Prepared by Stantec	24/02/2026
EXISTING FEATURES AND DEMOLITION PLAN	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1007, Rev C05, Prepared by Stantec	24/02/2026
OVERALL GENERAL ARRANGEMENT PLAN	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1010, Rev C05, Prepared by Stantec	24/02/2026
CONCEPT EROSION AND SEDIMENT CONTROL NOTES	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1020, Rev C05, Prepared by Stantec	24/02/2026
CONCEPT EROSION AND SEDIMENT CONTROL PLAN	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1021, Rev C05, Prepared by Stantec	24/02/2026
CONCEPT EROSION AND SEDIMENT CONTROL DETAILS	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1023, Rev C05, Prepared by Stantec	24/02/2026
EARTHWORKS GRADING PLAN	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1032, Rev C05, Prepared by Stantec	24/02/2026
FENCING AND BATTER BETWEEN LOTS DETAIL	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1060, Rev C05, Prepared by Stantec	24/02/2026
NOISE MOUND	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1070, Rev C05, Prepared by Stantec	24/02/2026
NOISE MOUND SECTIONS SHEET 1	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1071, Rev C05, Prepared by Stantec	24/02/2026
NOISE MOUND SECTIONS SHEET 2	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1072, Rev C01, Prepared by Stantec	24/02/2026
ROADWORKS PLAN	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1101, Rev C05, Prepared by Stantec	24/02/2026
ROADWORKS TYPICAL PLAN AND DETAILS	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1110, Rev C05, Prepared by Stantec	24/02/2026
ROADWORKS CONTROL TABLE AND LONGITUDINAL SECTIONS SHEET 1	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1120, Rev C05, Prepared by Stantec	24/02/2026
ROADWORKS CONTROL TABLE AND LONGITUDINAL SECTIONS SHEET 2	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1121, Rev C05, Prepared by Stantec	24/02/2026

ROADWORKS CONTROL TABLE AND LONGITUDINAL SECTIONS SHEET 3	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1122, Rev C05, Prepared by Stantec	24/02/2026
ROADWORKS CONTROL TABLE AND LONGITUDINAL SECTIONS SHEET 4	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1123, Rev C05, Prepared by Stantec	24/02/2026
ROADWORKS CROSS SECTIONS SHEET 1	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1130, Rev C05, Prepared by Stantec	24/02/2026
ROADWORKS CROSS SECTIONS SHEET 2	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1131, Rev C05, Prepared by Stantec	24/02/2026
ROADWORKS CROSS SECTIONS SHEET 3	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1132, Rev C05, Prepared by Stantec	24/02/2026
ROADWORKS CROSS SECTIONS SHEET 4	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1133, Rev C05, Prepared by Stantec	24/02/2026
ROADWORKS CROSS SECTIONS SHEET 5	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1134, Rev C05, Prepared by Stantec	24/02/2026
ROADWORKS CROSS SECTIONS SHEET 6	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1135, Rev C05, Prepared by Stantec	24/02/2026
ROADWORKS CROSS SECTIONS SHEET 7	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1136, Rev C05, Prepared by Stantec	24/02/2026
ROADWORKS CROSS SECTIONS SHEET 8	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1137, Rev C05, Prepared by Stantec	24/02/2026
ROADWORKS CROSS SECTIONS SHEET 9	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1138, Rev C01, Prepared by Stantec	24/02/2026
ROADWORKS CROSS SECTIONS SHEET 10	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1139, Rev C01, Prepared by Stantec	24/02/2026
ROADWORKS CROSS SECTIONS SHEET 11	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1140, Rev C01, Prepared by Stantec	24/02/2026
ROADWORKS CROSS SECTIONS SHEET 12	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1141, Rev C01, Prepared by Stantec	24/02/2026
ROADWORKS CROSS SECTIONS SHEET 13	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1142, Rev C01, Prepared by Stantec	24/02/2026
PAVEMENT PLAN	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1150, Rev C05, Prepared by Stantec	24/02/2026

INTERSECTION AND SETOUT DETAILS SHEET 1	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1201, Rev C05, Prepared by Stantec	24/02/2026
INTERSECTION AND SETOUT DETAILS SHEET 2	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1202, Rev C05, Prepared by Stantec	24/02/2026
INTERSECTION AND SETOUT DETAILS SHEET 3	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1203, Rev C05, Prepared by Stantec	24/02/2026
LINEMARKING AND SIGNAGE PLAN	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1220, Rev C05, Prepared by Stantec	24/02/2026
STORMWATER DRAINAGE LAYOUT PLAN	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1301, Rev C05, Prepared by Stantec	24/02/2026
STORMWATER GPT LAYOUT PLAN	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1305, Rev C01, Prepared by Stantec	24/02/2026
STORMWATER DRAINAGE LAYOUT PLAN LONGITUDINAL SECTIONS SHEET 1	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1310, Rev C05, Prepared by Stantec	24/02/2026
STORMWATER DRAINAGE LAYOUT PLAN LONGITUDINAL SECTIONS SHEET 2	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1311, Rev C05, Prepared by Stantec	24/02/2026
STORMWATER DRAINAGE LAYOUT PLAN - LONGITUDINAL SECTIONS SHEET 3	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1312, Rev C03, Prepared by Stantec	24/02/2026
STORMWATER DRAINAGE CATCHMENT PLAN	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1370, Rev C05, Prepared by Stantec	24/02/2026
STORMWATER DRAINAGE CALCULATIONS SHEET 1	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1380, Rev C05, Prepared by Stantec	24/02/2026
STORMWATER DRAINAGE CALCULATIONS SHEET 2	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1381, Rev C05, Prepared by Stantec	24/02/2026
STORMWATER DIVERSION DRAIN SHEET 1	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1390, Rev C03, Prepared by Stantec	24/02/2026
STORMWATER DIVERSION DRAIN SHEET 2	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1391, Rev C01, Prepared by Stantec	24/02/2026
SEWERAGE PLAN SHEET 1	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1502, Rev C05, Prepared by Stantec	24/02/2026
SEWERAGE PLAN SHEET 2	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1503, Rev C01, Prepared by Stantec	24/02/2026

SEWERAGE LONGITUDINAL SECTIONS SHEET 1	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1510, Rev C05, Prepared by Stantec	24/02/2026
SEWERAGE LONGITUDINAL SECTIONS SHEET 2	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1511, Rev C05, Prepared by Stantec	24/02/2026
SEWERAGE LONGITUDINAL SECTIONS SHEET 3	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1512, Rev C05, Prepared by Stantec	24/02/2026
SEWERAGE LONGITUDINAL SECTIONS SHEET 4	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1513, Rev C01, Prepared by Stantec	24/02/2026
SEWERAGE LONGITUDINAL SECTIONS SHEET 5	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1514, Rev C01, Prepared by Stantec	24/02/2026
SEWERAGE LONGITUDINAL SECTIONS SHEET 6	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1515, Rev C01, Prepared by Stantec	24/02/2026
SEWERAGE LONGITUDINAL SECTIONS SHEET 7	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1516, Rev C01, Prepared by Stantec	24/02/2026
SEWERAGE LONGITUDINAL SECTIONS SHEET 8	Project No. 304701584, Drawing No: 304701584-STN-02-200-DR-CI-1517, Rev C01, Prepared by Stantec	24/02/2026
WATER RETICULATION PLAN	Project No. 304701584, Drawing No: 304701854-STN-02-200-DR-CI-1602, Rev C05, Prepared by Stantec	24/02/2026
GENERAL CONSTRCUTION NOTES	Drawing No: Q25099-ST-01, Rev T1, Prepared by MAL Engineers	6/02/2026
PLAN AND SECTION	Drawing No: Q25099-ST-02, Rev T1, Prepared by MAL Engineers	6/02/2026
ACOUSTIC GATE AND RETAINING WALL DETAILS	Drawing No: Q25099-ST-02, Rev T1, Prepared by MAL Engineers	6/02/2026

Note – The plans referenced above will require amending in order to comply with conditions of this Decision Notice.

Assessment Manager Conditions & Advices

1. General

Drawings must be submitted “for construction” and must be certified as approved by a registered professional engineer of Queensland (RPEQ).

Advice Note: Officers note that engineering master planning for the overall New Port Estate has not been provided to Council to enable assessment of the implications of previous Stage ,1 and current Stage 2 designs on future works.

In this regard, Council's assessment for Stage 2 design works is provided on the best information available to Officers. Integration with future stages and design implications on servicing the balance land are the responsibility of the Applicant/designer.

Council Officers reiterate the previous advice that assessments would be better informed by master planning as requested by Council since Stage 1.

2. Stockpile Area

a. Provide updated drawings to clearly define the stockpile area shown on Stantec Drawing 1007. Details must include the volume of the stockpile, current and finished surface contours for the stockpile area, access/haul routes, and Erosion and Sediment Control measures for the management of the stockpile.

   The stockpile footprint as shown is not approved based on the current information.

3. Earthworks

a. Update the cut and fill volumes on Drawing 1032 to distinguish the volume of fill in the acoustic mound and the proportion this represents of the total fill volume of 19,794 m³.

   Provide confirmation of the earthworks within the allotments noting that Stage 1 nominated cutting within the Stage 2 footprint and the current Stage 2 design now shows filling required on the lots.

   This information must be provided prior to the prestart meeting.

b. Provide confirmation that the acoustic treatment south from Stage 2 complies with the acoustic reports in its temporary constructed form and provides the required noise attenuation for the Stage 2 allotments.

   Where additional acoustic treatments or extension of the mound is required, provide updated drawings detailing these works prior to the prestart meeting.

d. The applicant is to ensure that any earthworks undertaken as part of the works maintains a free draining surface with no ponding of standing water resulting. Any amendments proposed to the existing finished surface profiles are to be identified and reported to Council prior to being undertaken on site. Resultant amendments shall be recorded on as constructed drawings to be submitted at the completion of the project.

4. Road

a. Provide an updated Roadworks Plan (Drawing 1101) showing road chainages as required by the FNQROC Development Manual AP1.21. The amended drawings must be provided prior to the prestart meeting.

b. Prior to the prestart meeting, the designer must provide the pavement design calculations for each road type using traffic generation figures based on the traffic catchment size. The calculations must demonstrate that the minimum traffic loadings adopted (per FNQROC Table D3.1) are appropriate for each road segment.

   Where the pavement design/ traffic generation calculations required additional pavement thicknesses, amended drawings must be provided prior to the pre-start meeting.

c. Provide costings for the Wabul Drive infrastructure for any elements that the applicant proposes to seek Developer Credit for Trunk Infrastructure under Condition 5 of the Negotiated Decision Notice dated 26 April 2022, Council Reference ROL 2021_4012/1 (Doc ID 1352930).

The costings and supporting information must be provided prior to the prestart meeting and must be approved by Council via an Infrastructure Agreement prior to any works on the Trunk Infrastructure elements commencing on site.

d. Prior to the prestart meeting, provide justification on why the Wabul Drive design proposes the section of road adjacent Stage 2 to be entirely in fill.

Advice Note: Per the road longitudinal section, fill depths exceed 1m and are up to 1.4m for the section of road in Stage 2.

Officers note that no earthworks, road or stormwater master planning has previously been provided to enable assessment of the Wabul Drive design beyond Stage 1 prior to this submission. Council does not agree to contribute to the costs for the filling component of the road where there has been no evidence provided to substantiate the design optimisation and cost minimisation for the road.

It is further noted that Council has no information on the future design and cost implications beyond Stage 2.

5. Stormwater Drainage

a. Provide updated stormwater drainage drawings to include road chainages and pit setout details as required by the FNQROC Development Manual AP1.21. The amended drawings must be provided prior to the pre-start meeting.

b. Prior to the prestart meeting, provide confirmation that the opening in the acoustic mound between Lots 202 and 203 has been graded such that no stormwater will enter from the external drain in the State road corridor. Reference should be made to the finished surface level on MAL Engineering Drawing QF25099 – ST – 02 and the peak water levels in the relevant external flood study.

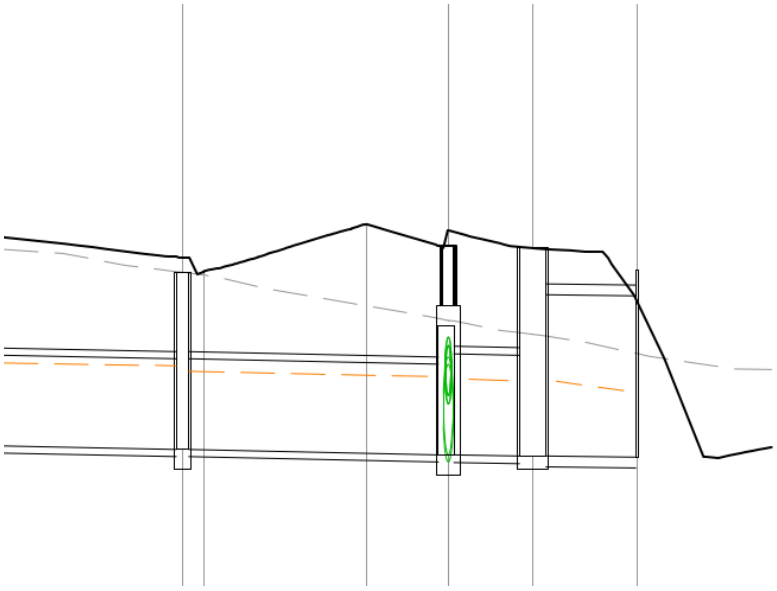
c. With reference to the Stormwater Drainage Layout Plan – Stantec Drawing 1301, provide the following amendments or further clarification prior to the prestart meeting:

   i. Provide an amended stormwater pipe alignment between Stormwater pits 1/S01 to 5/S01 that minimises the long stormwater runs under the road carriageway;
   ii. Provide justification for the multiple pipe crossings across Wabul Drive at the eastern end of Road 6, (there are four (4) stormwater pipe crossings in under 30 m of road);
   iii. Provide justification for the three parallel stormwater pipes north from Lots 230 and 231; and
   iv. Provide amended drawings relocating stormwater manholes 2/S08 and 4/S08 from within the road carriageway.

d. Prior to the prestart meeting, clarify the stormwater catchment contributing to inlet pits 1/S02 and 2/S02 noting that the road grading to the south does not show a crest within the current stage, and the design must ensure any future stormwater flows are accounted for.

e. Prior to the pre-start meeting, provide engineering justification for the 1200mm diameter stormwater pipe downstream from the GPT noting that the obvert of the pipe is above the obvert of upstream pipes. That is; the 1200mm pipe will only run a depth of 750mm (62.5% pipe depth) when the upstream pipes are running full.

Advice Note: With the reduced cover to the larger pipe, clarify why twin 750 pipe pipes were not continued from the GPT to the head wall outlet.



f. Provide an updated detail for the grading interface between the batter and headwall at each pipe outlet, and confirm any additional erosion protection at the head wall / batter slope interface. This detail is to be provided prior to the prestart meeting and must be approved by Council prior to construction of the stormwater elements.

g. Prior to the prestart meeting, confirm the ultimate road connectivity across Drain MD01 for the road extending from the Road 11 stub. All lot earthworks levels, drainage design and roadworks in Stage 2 are contingent upon no hydraulic impacts from this future crossing.

Advice Note: In the absence of master planning, the future design implications cannot be assessed under this application.

6. Sewer Extension to Andreasson Road

a. Prior to the prestart meeting, provide clarification on the sewer design assumptions to confirm why the sewer pipe size changes to 150mm upstream from Manhole 8/F1, compared with 225 mm diameter sewer downstream.

Advice Note: Whilst this section is not constructed under Stage 2, Officers note that if the invert level of 3.337m is adopted at Manhole 12/F1 and a 225mm diameter sewer at minimum grade is designed downstream from this point, invert levels in the downstream system could potentially be raised by approximately 1m, reducing construction depth for the same upstream control level.

Further discussion on the sewer grading is requested prior to construction of the sewerage reticulation.

b. In relation to sewerage reticulation Line F2, the following amendments are required prior to the prestart meeting:

i. Provide amended sewerage drawings amending Sewer Line F2 to connect to the Wabul Drive sewer as shown on the Stage 1 sewer concept master plan. Specifically, connect the sewer through Lot 228, east to the Wabul Drive sewer. This amendment will also eliminate the acute angle at sewer manhole 2F/2, which is not accepted by Council;

Or,

ii. Provide an updated Sewerage Master Plan for the New Port Estate supporting the apparent departure from the previous master planning.

If the applicant seeks to pursue amending the previous sewer master planning advice, the angle through manhole 2F/2 will also need to be addressed.

7. Water

a. The water reticulation layout is to be in accordance FNQROC Development Manual Guidelines and generally as represented on Stantec Water Layout Plan, except amended to specify that all road crossings are to be minimum 100mm DICL.

b. Include on the water reticulation plan the location of light pole footings and confirm the clearance between the footing and the water main. The revised drawing is to be endorsed by Council prior to commencement of water reticulation works.

c. The minimum clearance between light pole footings and water mains are to be in accordance with WSA and verified and recorded by the consulting engineer during construction.

8. Erosion and Sediment Control

a. A copy of the Contractor's Erosion and Sediment Control (ESC) Plan is to be submitted to Council and endorsed by the Consulting Engineer, prior to commencement of any works.

In particular, the ESC Plan must address the Institution of Engineers Australia Guidelines for Soil Erosion and Sediment Control and the Environment Protection (Water) Policy and Clauses CP1.05, CP1.13 and D5.10 of Council's FNQROC Development Manual.

9. Miscellaneous

a. As required in Condition 5 of the Negotiated Decision Notice, dated 26 April 2022, Council Reference ROL 2021_4012/1 (Doc ID 1352930), the applicant is to provide costing for any elements that the applicant proposes to seek Developer Credit for Trunk Infrastructure.

The costs are to be supported by Tenders received for these works to confirm rates, quantities and total cost represents value for money for Council.

Council will only consider work elements that have been identified in the Local Government Infrastructure Plans, (LGIP).

b. The applicant is to provide a street lighting plan and show the locations of the streetlights on the relevant civil plans prior to the pre-start meeting to confirm any conflicts between light pole locations and other services.

c. Prior to the pre-start meeting, the applicant must provide written evidence from Ergon and Telstra confirming arrangements have been made for the provision of services to the stage.

d. The applicant is to provide the acid sulphate report prior to the Prestart meeting and ensure that the Contractor is aware of the management measures and testing requirements where applicable.

e. CCTV inspections are to be reviewed by the supervising engineer and the Engineering Report and Certification by an RPEQ provided to Council prior to Works Acceptance as required under FNQROC Development Manual CP1.25 Project Documentation.

Advice

1. 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.

2. This approval does not negate the requirement for compliance with all other relevant Council Local Laws and other statutory requirements.

3. For information relating to the *Planning Act 2016* log on to https://planning.dsdmip.qld.gov.au/. To access the *FNQROC Regional Development Manual*, Local Laws, the Douglas Shire Planning Scheme and other applicable Policies log on to www.douglas.qld.gov.au.

Further Development Permits

Not applicable

Concurrence Agency Response

None Applicable

Currency Period for the Approval

This approval, granted under the provisions of the Planning Act 2016, shall lapse four (2) years from the day the approval takes effect in accordance with the provisions of Section 85 of the Planning Act 2016.

Rights to make Representations & Rights of Appeal

The rights of applicants to make representations and rights to appeal to a Tribunal or the Planning and Environment Court against decisions about a development application are set out in Chapter 6, Part 1 of the Planning Act 2016.

A copy of the relevant appeal provisions is attached.

Approved Drawing(s) and/or Document(s)

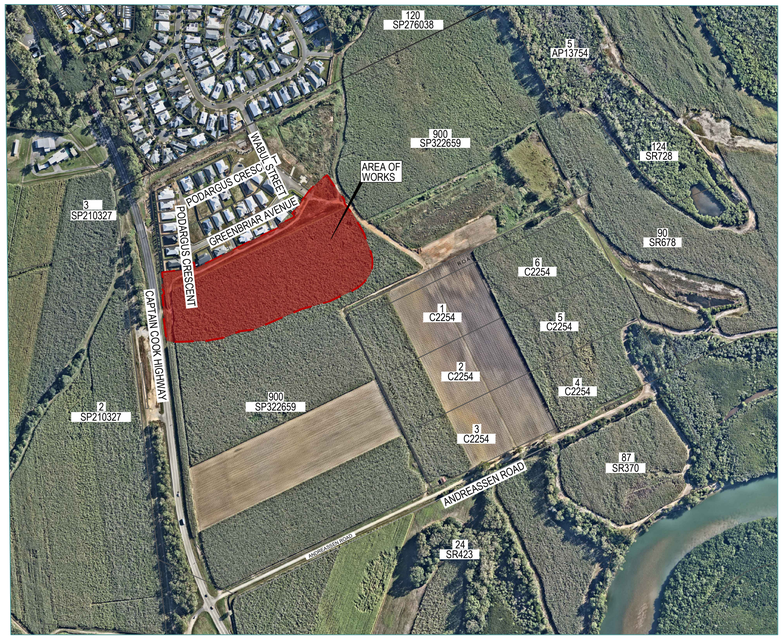
Stantec

NEW PORT ESTATE
PORT DOUGLAS

NEW PORT ESTATE
STAGE 2
CIVIL WORKS

CAPTAIN COOK HIGHWAY, CRAIGLIE

Project Number: 304701584



SCHEDULE OF DRAWINGS		
DRAWING No.	DESCRIPTION	REV
GENERAL		
304701584-STN-02-200-DR-CI-1000	COVER SHEET	C05
304701854-STN-02-200-DR-CI-1003	GENERAL NOTES AND DETAILS SHEET 1	C05
304701854-STN-02-200-DR-CI-1004	GENERAL NOTES AND DETAILS SHEET 2	C05
304701854-STN-02-200-DR-CI-1005	GENERAL NOTES AND DETAILS SHEET 3	C01
304701854-STN-02-200-DR-CI-1007	EXISTING FEATURES AND DEMOLITION PLAN	C05
EARTHWORKS		
304701584-STN-02-200-DR-CI-1020	CONCEPT EROSION AND SEDIMENT NOTES SHEET 1	C05
304701584-STN-02-200-DR-CI-1021	CONCEPT EROSION AND SEDIMENT CONTROL PLAN	C05
304701584-STN-02-200-DR-CI-1023	CONCEPT EROSION AND SEDIMENT CONTROL DETAILS	C05
304701854-STN-02-200-DR-CI-1032	EARTHWORKS GRADING PLAN	C05
304701854-STN-02-200-DR-CI-1060	FENCING AND BATTER BETWEEN LOTS DETAIL	C05
304701854-STN-02-200-DR-CI-1070	NOISE MOUND	C05
304701854-STN-02-200-DR-CI-1071	NOISE MOUND	C05
304701854-STN-02-200-DR-CI-1072	NOISE MOUND	C01
ROADWORKS		
304701854-STN-02-200-DR-CI-1101	ROADWORKS PLAN	C05
304701854-STN-02-200-DR-CI-1110	ROADWORKS TYPICAL AND DETAILS	C05
304701854-STN-02-200-DR-CI-1120	ROADWORKS CONTROL TABLE AND LONGITUDINAL SECTIONS SHEET 1	C05
304701854-STN-02-200-DR-CI-1121	ROADWORKS CONTROL TABLE AND LONGITUDINAL SECTIONS SHEET 2	C05
304701854-STN-02-200-DR-CI-1122	ROADWORKS CONTROL TABLE AND LONGITUDINAL SECTIONS SHEET 3	C05
304701854-STN-02-200-DR-CI-1123	ROADWORKS CONTROL TABLE AND LONGITUDINAL SECTIONS SHEET 4	C05
304701854-STN-02-200-DR-CI-1130	ROADWORKS CROSS SECTIONS SHEET 1	C05
304701854-STN-02-200-DR-CI-1131	ROADWORKS CROSS SECTIONS SHEET 2	C05
304701854-STN-02-200-DR-CI-1132	ROADWORKS CROSS SECTIONS SHEET 3	C05
304701854-STN-02-200-DR-CI-1133	ROADWORKS CROSS SECTIONS SHEET 4	C05
304701854-STN-02-200-DR-CI-1134	ROADWORKS CROSS SECTIONS SHEET 5	C05
304701854-STN-02-200-DR-CI-1135	ROADWORKS CROSS SECTIONS SHEET 6	C05
304701854-STN-02-200-DR-CI-1136	ROADWORKS CROSS SECTIONS SHEET 7	C05
304701854-STN-02-200-DR-CI-1137	ROADWORKS CROSS SECTIONS SHEET 8	C05
304701854-STN-02-200-DR-CI-1138	ROADWORKS CROSS SECTIONS SHEET 9	C01
304701854-STN-02-200-DR-CI-1139	ROADWORKS CROSS SECTIONS SHEET 10	C01
304701854-STN-02-200-DR-CI-1140	ROADWORKS CROSS SECTIONS SHEET 11	C01
304701854-STN-02-200-DR-CI-1141	ROADWORKS CROSS SECTIONS SHEET 12	C01
304701854-STN-02-200-DR-CI-1142	ROADWORKS CROSS SECTIONS SHEET 13	C01
304701584-STN-02-200-DR-CI-1150	PAVEMENT PLAN	C05
304701854-STN-02-200-DR-CI-1201	INTERSECTION AND SET OUT DETAILS SHEET 1	C05
304701854-STN-02-200-DR-CI-1202	INTERSECTION AND SET OUT DETAILS SHEET 2	C05
304701854-STN-02-200-DR-CI-1203	INTERSECTION AND SET OUT DETAILS SHEET 3	C05
304701584-STN-02-200-DR-CI-1220	LINEMARKING AND SIGNAGE PLAN	C05
DRAINAGE		
304701854-STN-02-200-DR-CI-1301	STORMWATER DRAINAGE LAYOUT PLAN	C05
304701854-STN-02-200-DR-CI-1305	STORMWATER GPT LAYOUT PLAN	C01
304701584-STN-02-200-DR-CI-1310	STORMWATER DRAINAGE LAYOUT PLAN - LONGITUDINAL SECTIONS SHEET 1	C05
304701584-STN-02-200-DR-CI-1311	STORMWATER DRAINAGE LAYOUT PLAN - LONGITUDINAL SECTIONS SHEET 2	C05
304701584-STN-02-200-DR-CI-1312	STORMWATER DRAINAGE LAYOUT PLAN - LONGITUDINAL SECTIONS SHEET 3	C03
304701584-STN-02-200-DR-CI-1370	STORMWATER DRAINAGE CATCHMENT PLAN	C05
304701584-STN-02-200-DR-CI-1380	STORMWATER DRAINAGE CALCULATIONS	C05
304701584-STN-02-200-DR-CI-1381	STORMWATER DRAINAGE CALCULATIONS	C05
304701584-STN-02-200-DR-CI-1390	STORMWATER DIVERSION DRAIN SHEET 1 OF 2	C03
304701584-STN-02-200-DR-CI-1391	STORMWATER DIVERSION DRAIN SHEET 1 OF 2	C01
SEWERAGE		
304701854-STN-02-200-DR-CI-1502	SEWERAGE PLAN SHEET 1 OF 2	C05
304701854-STN-02-200-DR-CI-1503	SEWERAGE PLAN SHEET 2 OF 2	C01
304701584-STN-02-200-DR-CI-1510	SEWERAGE LONGITUDINAL SECTIONS	C05
304701584-STN-02-200-DR-CI-1511	SEWERAGE LONGITUDINAL SECTIONS	C05
304701584-STN-02-200-DR-CI-1512	SEWERAGE LONGITUDINAL SECTIONS	C05
304701584-STN-02-200-DR-CI-1513	SEWERAGE LONGITUDINAL SECTIONS	C01
304701584-STN-02-200-DR-CI-1514	SEWERAGE LONGITUDINAL SECTIONS	C01
304701584-STN-02-200-DR-CI-1515	SEWERAGE LONGITUDINAL SECTIONS	C01
304701584-STN-02-200-DR-CI-1516	SEWERAGE LONGITUDINAL SECTIONS	C01
304701584-STN-02-200-DR-CI-1517	SEWERAGE LONGITUDINAL SECTIONS	C01
WATER RETICULATION		
304701854-STN-02-200-DR-CI-1602	WATER RETICULATION PLAN	C05

STANDARD DRAWINGS	
DRAWING No.	DESCRIPTION
FNQROC STANDARD DRAWINGS	
S1000	CONCRETE KERB & CHANNEL PROFILES & DIMENSIONS
S1004	TYPICAL SECTIONS FOR 4.5m VERGE
S1005	TYPICAL ROAD CROSS SECTIONS TYPE 1 & TYPE 2
S1010	PUBLIC UTILITIES ON ROAD VERGES
S1015	ACCESS CROSSOVERS
S1016	KERB RAMP
S1025	HANDRAIL / TUBULAR STEEL FENCE
S1035	PATHWAYS/BIKEWAYS
S1041	TRAFFIC CONTROL DEVICES
S1050	GRATED KERB INLET PIT PIPE DIA. LESS THAN 600mm
S1055	GRATED KERB INLET PIT PIPE DIA. GREATER THAN 600mm
S1060	KERB INLET GRATE AND FRAME
S1065	STORMWATER MANHOLES 1500 & 1500
S1070	FIELD INLET PITS
S1075	CONCRETE PIPE HEADWALL 375mm TO 675mm
S1085	CONCRETE HEADWALLS, WINGWALLS AND APRON
S1095	STORMWATER DRAINAGE FLUSHING POINTS OUTLET
S1110	CONCRETE DRIVEWAY FOR ALLOTMENT ACCESS
S2000	VALVE BOX INSTALLATION
S2005	HYDRANT BOX INSTALLATION
S2010	KERB AND ROAD MARKERS
S2015	THRUST BLOCK DETAILS
S2016	WATER RETICULATION BEDDING DETAILS
S2020	MAIN CONNECTION DETAILS
S2025	WATER SERVICE ROAD CROSSINGS LOW DENSITY RESIDENTIAL
S3000	SEWERAGE MANHOLES
S3005	PROPERTY CONNECTION BRANCHES
S3015	SEWER BEDDING AND TRENCH DETAIL
S4110	TRAFFIC ISLAND MEDIANS
S1040	STREET NAME SIGN

Plotted: 24-Feb-26 4:22:14 PM By: JACCOUR, FIONA
ORIGINAL SHEET - ISO A1 \\AUSD1-PFS001\SHARED_PROJECTS\304701584\ACCPROJECT\S1\STI_CIVIL\STAGE 2\DRAWINGS\SNT01584-STI-02-200-DR-CI-1000 COVER.DWG

1. GENERAL NOTES:

1.1. SURVEY PREPARED BY STANTEC AUSTRALIA TO MERIDIAN: MGA94 VIDE STATIC GNSS LEVELS: AHD VIDE PM586688 DATUM: GDA94 VIDE PM58688

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

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

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

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

1.6. 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 TO BE NOTIFIED.

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

1.8. 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.

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

1.10. 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.

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

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

1.13. PRIOR TO COMMENCEMENT OF WORK, A SIGN DETAILING THE PROJECT AND CONTAINING THE NAMES AND CONTACT NAMES 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.

1.14. 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.

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

1.16. 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.

1.17. 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.

1.18. 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.

1.19. 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.

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

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 'DIAL BEFORE YOU DIG' 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 NOTES

5.1. GENERAL

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

5.1.2. ALL EARTHWORKS, CLEARING ETC. SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT BY ETS GT 23-234-001R REV1 DATED OCTOBER 2024 AND GT23-234-002R REV 1 DATED MARCH 2025.

5.1.3. NOT WITHSTANDING THE LIMITS OF EARTHWORKS SHOWN ON THE DRAWINGS, THE ACTUAL LIMIT SHALL BE DETERMINED ON SITE BY THE SUPERINTENDENT, 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 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 - 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 AN ADEQUATE CUTOFF DRAINS ARE TO BE PLACED ON THE UPSTREAM SIDE OF ALL STOCKPILE SITES;

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.

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 (TGSI'S) 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 FNQROC STANDARD DRAWINGS S1015.

6.2.6. FOR DETAILS OF KERBS AND CHANNELS REFER TO FNQROC STANDARD DRAWING S1000.

6.2.7. ALL ALLOTMENTS NOT PROVIDED WITH ROOFWATER DRAINAGE PIPED CONNECTION SHALL HAVE TWO POWDER COATED ALUMINIUM KERB ADAPTORS, ONE ON EACH COMMON BOUNDARY OFFSET 0.5m AND IN ACCORDANCE WITH IPWEAQ STANDARD DRAWING. RS-081.

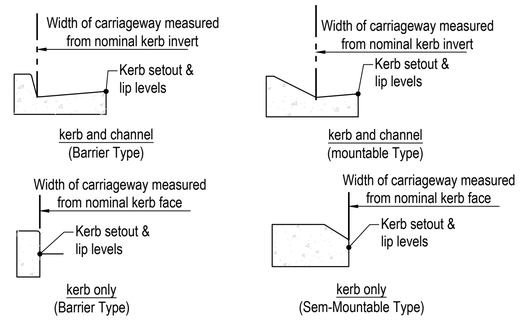
6.2.8. ALL KERBS TO BE CONSTRUCTED IN ACCORDANCE WITH FNQROC STANDARD DRAWINGS.

6.2.9. THE CONTRACTOR SHALL ENSURE THAT ALL KERB AND CHANNEL GRADES SHALL NOT FALL BELOW 0.5% AT ANY POINT IRRESPECTIVE OF ROAD CENTRE LINE GRADING SHOWN ON LONGITUDINAL SECTIONS.

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

6.2.11. SUBSOIL DRAINAGE SHALL BE CONTINUOUS WITH ADJOINING KERB AND CHANNEL WHERE CONCRETE INVERT IS CONSTRUCTED. REFER FNQROC STANDARD DRAWING S1095.

6.2.12. FOR KERB / KERB AND CHANNEL SETOUT REFER BELOW



7. PAVEMENT

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

- IN CUT AREAS - FNQROC 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".

Issued/Revision	By	Appd	YYYY.MM.DD
C05 REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04 OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03 ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02 PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07

Issue Status
S4
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Client/Project Logo
NEW PORT ESTATE
PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
GENERAL NOTES AND DETAILS SHEET 1 OF 3

Project No. 304701584
Scale at A1
Drawing No. 304701584-STN-02-200-DR-CI-1003
Revision C05

\\AUS03-FPS001\shared_projects\304701584\ACC_project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1003-1004.DWG, HOTEL
Plotted: Jacqui Kong, 30-Mar-26 8:34:37 PM

ORIGINAL SHEET - ISO A1

8.2. ALL ROAD SIGNS AND LINEMARKING AT SINGLE LANE ROUNDABOUTS TO BE AS PER FNQROC STANDARD DRAWING S1034 TYPICAL BICYCLE TREATMENT FOR SINGLE LANE ROUNDABOUTS.

8.3. ALL LINEMARKING TO BE WHITE UNLESS NOTED OTHERWISE;

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

8.5. DIMENSIONS TO LINEMARKING ARE MEASURED FROM THE NOMINAL KERB AND CHANELL INVERT AND OR FROM NOMINAL KERB FACE OF ISLANDS AND MEDIANS;

8.6. 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 FNQROC 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.

9. TRAFFIC MANAGEMENT

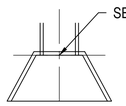
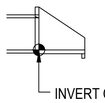
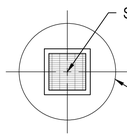
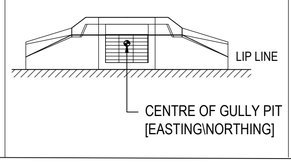
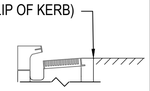
9.1. ANY WORKS UNDERTAKEN IN THE VICINITY OF PUBLIC ROADS MUST BE APPROPRIATELY SIGNED, LIT AND BARRICADED TO ENSURE THE SAFETY OF THE PEDESTRIAN AND VEHICULAR TRAFFIC IN THEIR VICINITY.

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.

STRUCTURE SETOUT POINTS

STRUCTURE	HORIZONTAL SETOUT ('SO')	VERTICAL SETOUT ('LP')
HEADWALL		
MAINTENANCE CHAMBER		FINISHED SURFACE LEVEL CHAMBER/PIT COVER
FIELD INLET		TOP OF GRATE OR COVER
GULLY PITS		VERTICAL SETOUT REFERENCE SHOWN ON LONG SECTION (TYPICAL LIP OF KERB) 

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.

10.2.2. FOR STORMWATER PIT SETOUT LOCATIONS REFER BELOW.

10.2.3. ALL GULLIES ARE TO BE LIP IN LINE GRATED GULLY UNLESS SHOWN OTHERWISE. REFER FNQROC STANDARD DRAWINGS FOR DETAILS.

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 TEH 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 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

> UP TO 600mm NOMINAL DIAMETER ARE TO BE RCP CLASS 3 UNLESS NOTED OTHERWISE.

> OVER 600mm NOMINAL DIAMETER 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 2 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 1.00 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);

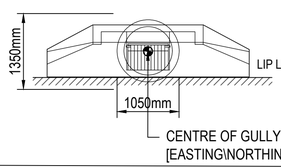
10.5.2. ROCK PROTECTION TO BE PROVIDED AROUND THE HEADWALL, WINGWALLS AND APRON AND WHERE APPLICABLE ABOVE THE HEADWALL WHERE THE HEADWALL IS LOCATED WITHIN AN OVERLAND FLOW PATH;

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;

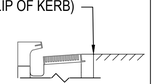
10.5.4. GEOTEXTILE MUST BE OF SUFFICIENT STRENGTH/DURABILITY TO WITHSTAND BREAKAGE FROM WATER FLOW, SEDIMENT BUILDUP, AND EXPOSURE TO SUNLIGHT;

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

CUSTOM GULLY PITS



VERTICAL SETOUT REFERENCE SHOWN ON LONG SECTION (TYPICAL LIP OF KERB)



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

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

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

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

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

10.5. 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 FNQROC, 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 BE GENERALLY BE CARRIED OUR 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.

14. ACID SULFATE SOILS

14.1 CONTRACTOR TO COMPLY WITH THE REQUIREMENTS OF GEOTECHNICAL REPORT GT 23-234-001R REV1 DATED OCTOBER 2024 INCLUDING ALL ALLOWANCE FOR TESTING, REPORTING, GEOTECHNICAL SUPERVISION, TREATMENT, AND FINAL CERTIFICATION ASSOCIATED WITH THE ACID SULPHATE SOILS.

SEWER:

1. GENERAL

1.1. THE CONTRACTOR SHALL ADVISE THE LOCAL AUTHORITY PRIOR TO UNDERTAKING ANY SEWERAGE RELATED WORKS.

1.2. SUBJECT TO THE CONFIRMATION BY THE LOCAL AUTHORITY, CONNECTION TO EXISTING SEWER MAINS AND MANHOLES SHALL BE CARRIED OUT IN ACCORDANCE WITH THE REQUIREMENTS OF THE LOCAL AUTHORITY. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE LOCAL AUTHORITY OF THE INTENTION TO CARRY OUT AND ARRANGE FOR THE TIMING OF SUCH WORKS.

1.3. WORKS MUST BE EXECUTED IN ACCORDANCE WITH THE FNQROC REGIONAL DEVELOPMENT MANUAL DESIGN, CONSTRUCTION STANDARDS AND SPECIFICATIONS.

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

1.5. HANDLING OF ASBESTOS CEMENT PIPES SHALL BE CARRIED OUT IN ACCORDANCE WITH WORK HEALTH AND SAFETY (WH&S) ACT2021, THE WH&S QUEENSLAND CODE OF PRACTICE AS A MINIMUM.

2. PIPELINE

2.1. UNLESS NOTED OTHERWISE ALL SEWER MAINS SHALL BE UNPLASTICISED PVC (PVC-U).

2.2. UNLESS NOTED OTHERWISE ALL ROAD CROSSINGS SHALL BE DUCTILE IRON.

2.3. BEDDING MATERIAL

2.3.1. THE CONTRACTOR SHALL ASSESS THE TRENCH CONDITIONS IN ACCORDANCE WITH STANDARD DRAWING S3015 AND NOTIFY THE SUPERINTENDENT OF THE ADOPTED BEDDING MATERIAL FOR EACH TRENCH.

3. MANHOLES

3.1 ALL MANHOLES SHALL BE CONVENTIONAL INSITU CAST CONCRETE IN ACCORDANCE WITH STANDARD DRAWING S3000 UNLESS OTHERWISE APPROVED IN WRITING BY THE LOCAL AUTHORITY.

3.1.1 MANHOLE LIDS TO BE CONSTRUCTED 50mm ABOVE GROUND LEVEL OR FLUSH WITH PATHWAYS, ROADWAYS AND PAVED SURFACES.

3.1.2 IF MANHOLES OR MAINTENANCE SHAFTS ARE FOUND TO BE WITHIN AN AREA OF CONCRETE SUCH AS FOOTPATHS THE SURROUND IS TO BE SET IN THE CONCRETE WITH A COMPRESSIBLE LAYER BETWEEN IT AND THE NEW CONCRETE TO ALLOW REMOVAL FOR MAINTENANCE.

3.1.3 A FLAT AREA OF 1.5m RADIUS AROUND THE MANHOLE COVERMUST BE PROVIDED WHERE MANHOLES ARE LOCATED IN BATTERS.

3.2 MANHOLE COVERS

3.2.1 ALL SHALLOW MANHOLES OF LESS THAN 1.4m DEEP SHALL HAVE RECTANGULAR COVERS.

3.2.2 UNLESS NOTED OTHERWISE ON THE PROJECT DRAWINGS THE MINIMUM CLASS OF MANHOLE COVER SHALL BE AS FOLLOWS

A. WITHIN PRIVATE PROPERTIES - CLASS B

B. ALL OTHER AREAS (PARKS, VERGES, ETC.) - CLASS C

C. ROADS, CAR PARKS, ETC. - CLASS D

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
S4
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Client/Project Logo
NEW PORT ESTATE
PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
GENERAL NOTES AND DETAILS SHEET 2 OF 3

Project No. 304701584
Scale at A1
Drawing No. 304701584-STN-02-200-DR-CI-1004
Revision C05

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ORIGINAL SHEET - ISO A1

4. TESTING AND INSPECTIONS

4.1 FOR SECTIONS OF THE SEWER THAT ARE GREATER THAN 3m DEEP, MANDATORY WITNESS INSPECTIONS OF THE EXCAVATION AND PIPE LAYING BUST BE UNDERTAKEN BY THE SUPERINTENDENT AND LOCAL AUTHORITY INSPECTOR. THE CONTRACTOR WILL BE RESPONSIBLE FOR SCHEDULING THE INSPECTIONS. THE INSPECTION AND TEST PLAN (ITP) MUST INCLUDE THESE INSPECTIONS.

4.2 ALL SEWERS SHALL HAVE CCTV SURVEY AND REPORTING COMPLETED IN ACCORDANCE WITH FNQROC.

4.3 ALL SEWERS SHALL BE TESTED IN ACCORDANCE WITH FNQROC REQUIREMENTS.

5. PRIVATE PROPERTY ACCESS

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

6. CONCRETE WORK

6.1 CONCRETE AND REINFORCEMENT SHALL COMPLY WITH THE DRAWINGS SPECIFICATIONS FOR CONCRETE AND FNQROC CONCRETE SPECIFICATIONS.

1. WATER GENERAL NOTES

1.1. WORKS MUST BE EXECUTED IN ACCORDANCE THE FNQROC REGIONAL DEVELOPMENT MANUAL DESIGN, CONSTRUCTION STANDARDS AND SPECIFICATIONS.

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

1.3. 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.

1.4. 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.

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

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

1.7. BENCH MARK AND LEVELS TO AHD.

2. SAFETY

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

3. PIPELINES

3.1. ROAD CROSSING SHALL BE MINIMUM 100mm DIAMETER.

3.2. ALL ROAD CROSSING SHALL BE CONSTRUCTED IN DUCTILE IRON CEMENT LINED PIPE.

3.3. COVER ON MAINS FROM PERMANENT LEVEL TO BE AS FOLLOWS UNLESS NOTED OTHERWISE

VERGE, PARKS ETC. - 600mm
UNDER KERBED ROADS - 800mm
UNDER UN-KERBED ROADS - 900mm

4. CONCRETE SURROUNDS

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.

4.2 ALL COVER BOXES AND SURROUNDS MUST BE REPLACED AT THE NEW LEVELS IN ACCORDANCE WITH FNQROC DEVELOPMENT MANUAL STANDARD DRAWING S2000.

5. THRUST & ANCHOR BLOCKS

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

5.2. CONCRETE MUST NOT SPILL OVER SOCKET JOINTS.

5.3. 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.

5.4. FOR TYPICAL DETAILS REFER FNQROC STANDARD DRAWING S2015.

6. PRIVATE PROPERTY ACCESS

6.1. 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.

7. TRENCH NOTES:

7.1 MINIMUM COVER ON MAINS FROM PERMANENT LEVEL SHALL BE IN ACCORDANCE TO FNQROC DESIGN MANUAL D6.

7.2 REFER FNQROC STANDARD DRAWING S2016 FOR BEDDING AND TRENCHING DETAILS.

SERVICE LOCATIONS

It is the responsibility of the Foreman to contact the relevant service authorities to ascertain the exact location of services prior to construction.

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 DBYD SERVICE LOCATIONS ON **1100** FOR DETAILS.

TELECOMMUNICATIONS SERVICE PROVIDERS

'yes' OPTUS Telstra visionstream NBNCo Limited

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

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

Issued/Revision	By	Appd	
C01 OPERATIONAL WORKS APPROVAL	JD	JD	2026/02/24

Issued/Revision — By — Appd — YYYY.MM.DD

Issue Status
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STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

Dwn.	Dsgn.	Chkd.	Appd.	
FMZ	JD	JD	JD	2026/02/XX

Dwn. — Dsgn. — Chkd. — Appd. — YYYY.MM.DD

Title
GENERAL NOTES AND DETAILS
SHEET 3 OF 3

Project No. 304701584
Scale at A1
Drawing No. 304701584-STN-02-200-DR-CI-1005
Revision C01

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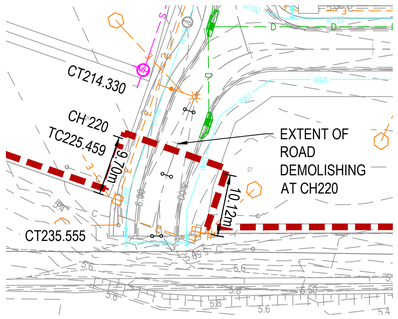
Plotted: Zaccour Riona Date: 24-Feb-26 3:33:14 PM

ORIGINAL SHEET - ISO A1



EXTENT OF ROAD RECONSTRUCTION AT CH220

13.5m OF EXISTING PAVEMENT TO BE DEMOLISHED AND RELINED AS PER DETAIL CI-1110 CONTRACTOR TO ENGAGE WITH RESIDENTS TO FACILITATE THE WORKS.

EXISTING DRIVEWAY TO BE RECONSTRUCTED AS PER ROAD REALIGNMENT. CONTRACTOR TO ENGAGE THE PROPERTY OWNER OF LOT 27 ON SP 322659 TO GAIN NECESSARY APPROVALS FOR ACCESS PRIOR TO WORKS.
CONTRACTOR TO ALLOW FOR ALL ASSOCIATED COSTS INCLUDING BUT NOT LIMITED TO DEMOLITION, TEMPORARY ACCESS ARRANGEMENTS, RECONSTRUCTION OF DRIVEWAY TO EXISTING FINISH AND REINSTATEMENT OF SURROUNDING VERGE/LOT TO PREEXISTING CONDITION.

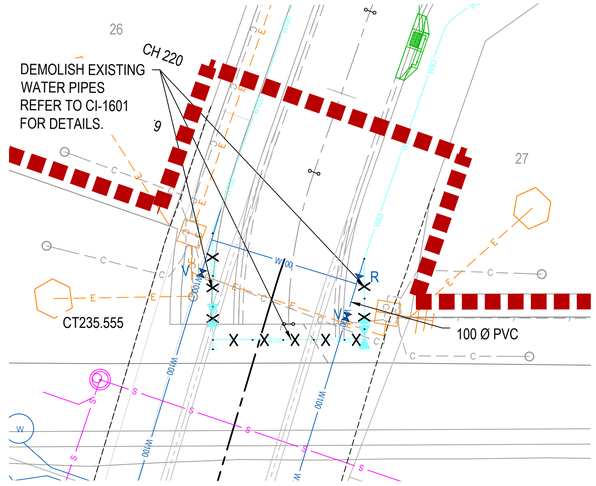
EXISTING FENCE TO BE DEMOLISHED AND REINSTATED AS PER CI-1060 ON LOTS 27, 28,29,30,31,32

2.4m OF EXISTING PAVEMENT TO BE DEMOLISHED AND RELINED AS PER CI-1110.

EXISTING STAGE 1

FUTURE STAGE

EXISTING SEWR MH AND PIPE TO BE DEMOLISHED. REFER TO CI -1301 FOR THE EXTENT.



EXISTING WATER DEMOLITION DETAILS AT ROAD 02

FUTURE STAGE

STOCKPILE AREA

ROAD

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

NOTE:
1. NO CLEARING IS TO COMMENCE UNTIL THE SUPERINTENDENT HAS CONFIRMED THAT ALL NECESSARY PERMITS AND APPROVALS ARE IN PLACE. THIS IS A HOLD POINT.
2. ENSURE ADEQUATE 'NO-GO' FENCING IS ESTABLISHED FOR ALL ENVIRONMENT AND HABITAT PROTECTION AREAS PRIOR TO COMMENCEMENT.

LEGEND

- AREA TO BE CLEARED
- STOCKPILE AREA
- EXISTING STORMWATER (D)
- EXISTING WATER (W)
- EXISTING SEWER (S)
- EXISTING ELECTRICAL (E)
- EXISTING LOT BOUNDARY
- EXISTING CONTOURS
- EXISTING NOMINAL KERB INVERT
- EXISTING BATTER
- DESIGN CONTOURS (0.5m INTERVAL, 1m LABEL)
- PROPOSED Ø100 PVC-M PN16 WATER MAIN (W100)
- PROPOSED Ø150 PVC-M PN16 WATER MAIN (W150)
- PROPOSED STOP VALVE (V)
- PROPOSED REDUCER (R)
- PROPOSED FIRE HYDRANT (FH)
- PROPOSED PROPERTY CONNECTION
- EXISTING VALVE
- EXISTING REDUCER
- EXISTING WATER PIPES TO BE DEMOLISHED

SCALE 1:1000 @A1
SCALE 1:500 @A1
SCALE 1:200 @A1

Issued/Revision		By	Appd	YYYY.MM.DD
C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
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STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
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Title
EXISTING FEATURES AND DEMOLITION PLAN

Project No. 304701584
Scale at A1 1:1000
Revision C05
Drawing No. 304701584-STN-02-200-DR-CI-1007

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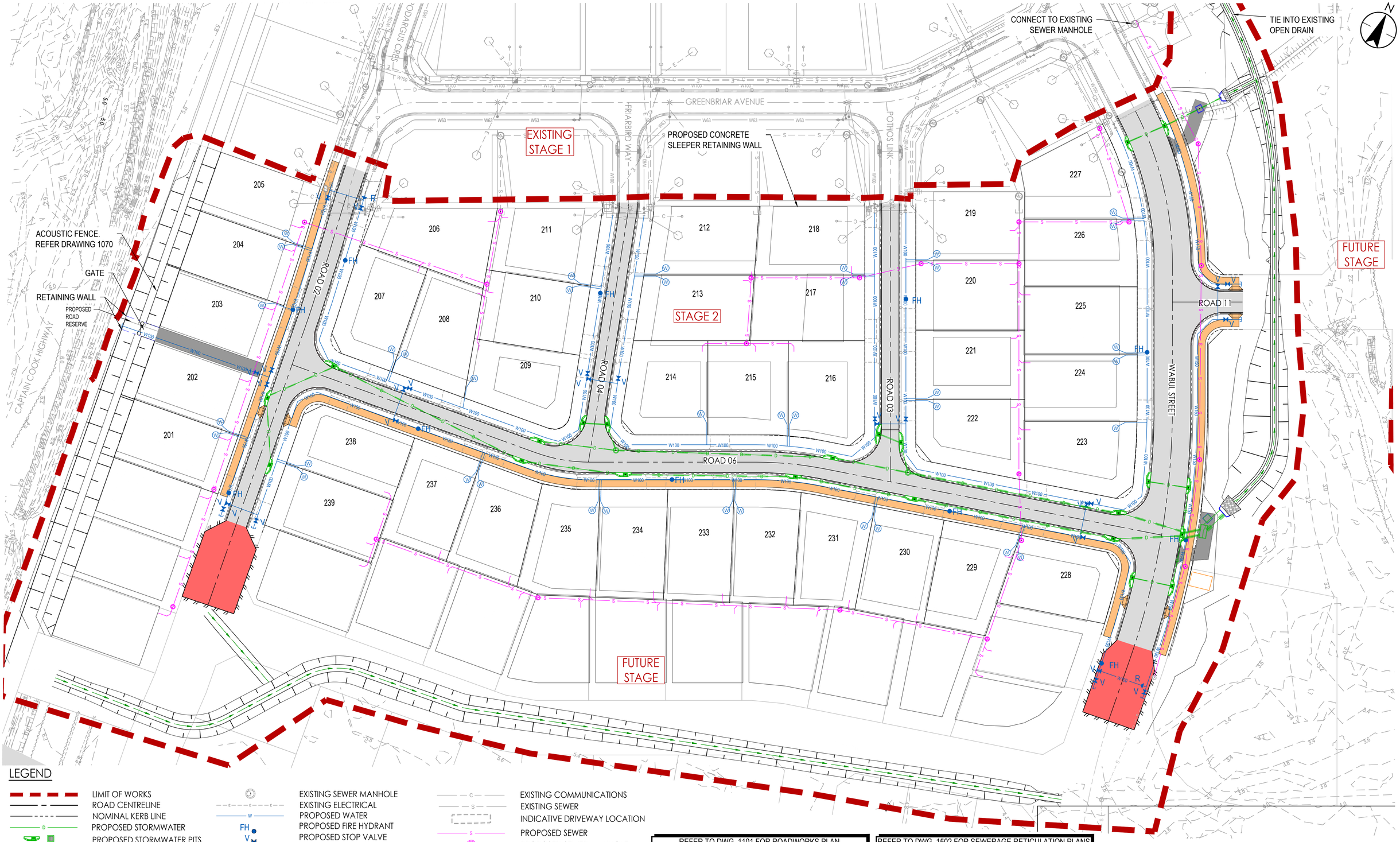
ORIGINAL SHEET - ISO A1



LEGEND

- LIMIT OF WORKS
- ROAD CENTRELINE
- NOMINAL KERB LINE
- PROPOSED STORMWATER
- PROPOSED STORMWATER PITS
- EXISTING STORMWATER
- EXISTING STORMWATER PITS
- PROPOSED PATHWAY
- EXISTING SEWER MANHOLE
- EXISTING ELECTRICAL
- PROPOSED WATER
- PROPOSED FIRE HYDRANT
- PROPOSED STOP VALVE
- PROPOSED REDUCER
- EXISTING WATER
- PROPOSED ROAD PAVEMENT
- EXISTING COMMUNICATIONS
- EXISTING SEWER
- INDICATIVE DRIVEWAY LOCATION
- PROPOSED SEWER
- PROPOSED SEWER MANHOLE
- PROPOSED SEWER FUTURE
- PROPOSED RETAINING WALL

REFER TO DWG. 1101 FOR ROADWORKS PLAN

REFER TO DWG. 1502 FOR SEWERAGE RETICULATION PLANS

REFER TO DWG. 1301 FOR STORMWATER LAYOUT PLANS

REFER TO DWG. 1602 FOR WATER RETICULATION PLANS

0 10 20 30 40 50m

SCALE 1:500 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
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STAGE 2 - CIVIL WORKS

CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title

OVERALL GENERAL ARRANGEMENT PLAN

Project No. 304701584

Scale at A1 1:500

Revision C05

Drawing No. 304701584-STN-02-200-DR-CI-1010

\\AU203.PPS01\Unshared_projects\304701584\ACC_project files\02_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1010 GNRL ARMT.dwg
Plotted: Zaccary Kinza Date: 24-Feb-26 3:36:51 PM
ORIGINAL SHEET - ISO A1

GENERAL

1. CONTRACTOR SHALL ENGAGE RPEQ TO PREPARE SITE, SEASON AND CONSTRUCTION METHODOLOGY SPECIFIC EROSION AND SEDIMENT CONTROL PLAN. CONTRACTORS RPEQ CERTIFIED PLANS ARE TO BE PROVIDED TO COUNCIL AS PART OF PRESTART PACKAGE.
2. CONTRACTOR SHALL ENGAGE RPEQ TO PREPARE SITE, SEASON AND CONSTRUCTION METHODOLOGY SPECIFIC EROSION AND SEDIMENT CONTROL PLAN. CONTRACTORS RPEQ CERTIFIED PLANS ARE TO BE PROVIDED TO COUNCIL AS PART OF PRESTART PACKAGE.
3. ALL TREATMENTS TO BE SUCCESSFULLY ESTABLISHED ON SITE.

EROSION AND SEDIMENT CONTROL CONSTRUCTION SEQUENCE

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 NOTES

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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NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
CONCEPT EROSION AND SEDIMENT CONTROL NOTES

Project No.
304701584

Scale at A1

Drawing No.
304701584-STN-02-200-DR-CI-1020

Revision
C05

\\AUS03-PPFS01\shared_projects\304701584\ACC project files\01. WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1020 EROS NOTE.dwg
Plotted: Director, Rory Date: 24 Feb 26 14:41 PM

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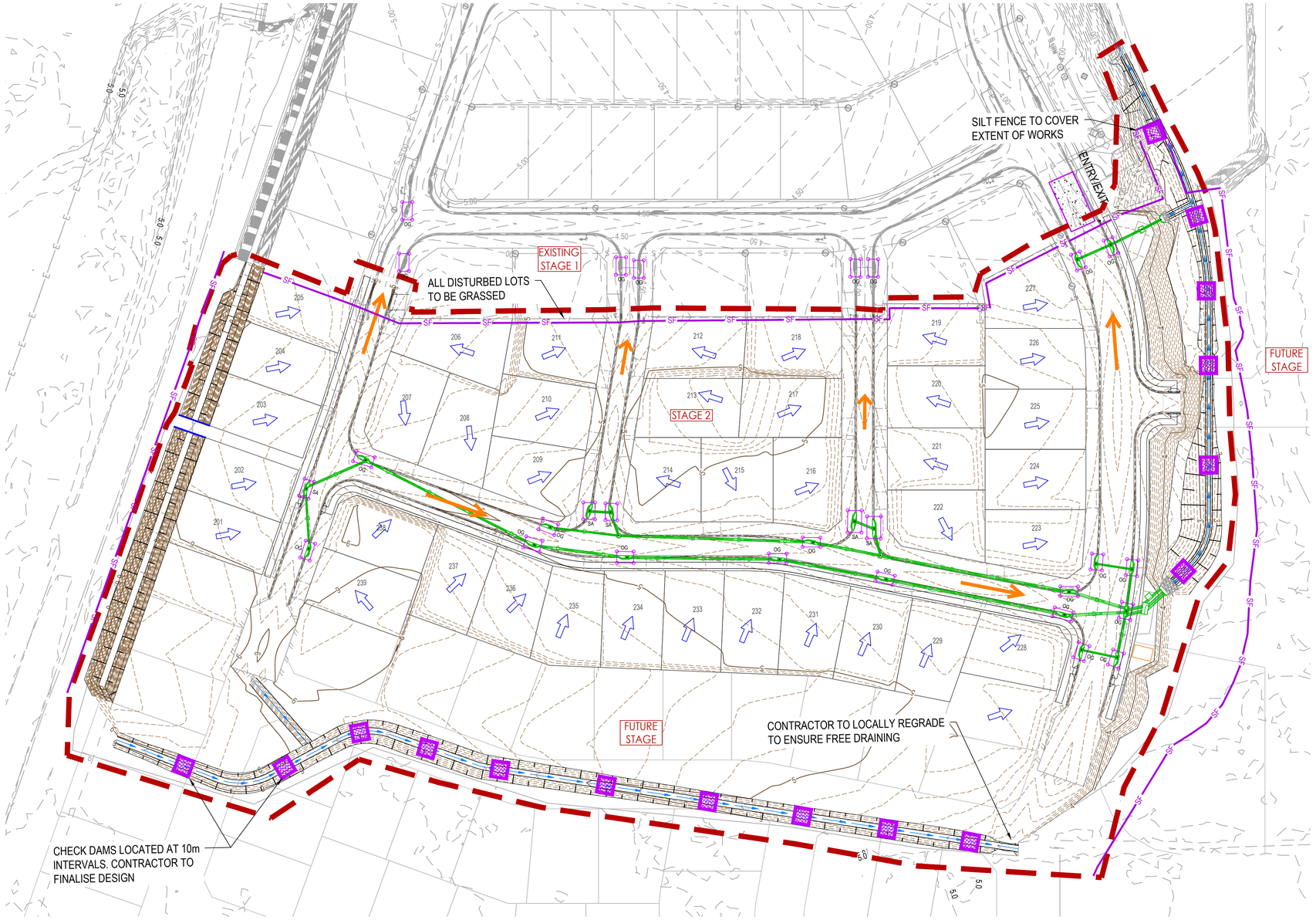

LEGEND

- 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
- OG — INLET PROTECTION (ON-GRADE)
- SA — INLET PROTECTION (SAG)
- ENTRY/EXIT — CONSTRUCTION ENTRY / TRUCK SHAKEDOWN FACILITY
- PROPOSED DRAINAGE PIT
- D — PROPOSED STORMWATER PIPE
- AREA TO BE TURFED
- FLOW — OVERLAND FLOW PATH
- ROAD FLOW DIRECTION
- CHECK DAM. INDICATIVE ONLY (SAND BAGS TO BE ARE USED WHERE CHANNELS ARE <0.5m DEPTH, ROCK TO BE USED WHERE CHANNELS >0.5m DEPTH).
- SF — SEDIMENT FENCE SPILL THROUGH WEIR. PROVIDE BATTER CHUTE TO ADJACENT DRAIN WHERE OUTLET GRADE EXCEEDS 1 IN 20 (5%)

REFER TO DWG. 1020 FOR CONCEPT EROSION AND SEDIMENT CONTROL NOTES.

REFER TO DWG. 1022 FOR CONCEPT EROSION AND SEDIMENT CONTROL DETAILS.

NOTE

1. EROSION AND SEDIMENT CONTROL TECHNIQUES SHOWN ON THIS DRAWING ARE CONCEPT ONLY. CONTRACTOR TO ENGAGE RPEQ AND PROVIDE CERTIFIED EROSION AND SEDIMENT CONTROL PLAN PRIOR TO CONSTRUCTION.
2. SEDIMENT TO BE CONTROLLED WITHIN THE SITE BOUNDARY. CONTRACTOR NOT TO BLOCK UP DOWNSTREAM INLET PITS.

0 15 30 45 60 75m
SCALE 1:750 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
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STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
CONCEPT EROSION AND SEDIMENT CONTROL PLAN

Project No. 304701584 | Scale at A1 1:750
Drawing No. 304701584-STN-02-200-DR-CI-1021 | Revision C05

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Plotted: Dec/Dec, Plotted By: Brodie Jones Last Saved By: BRODIE.JONES

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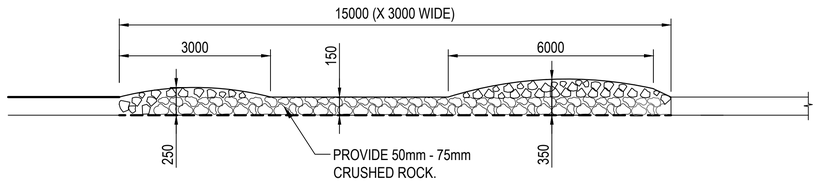
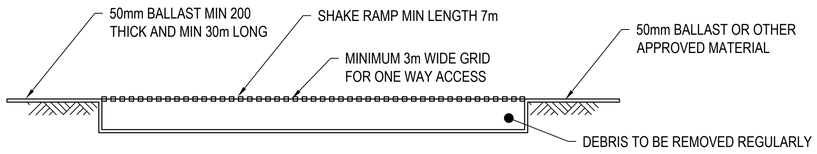


TRUCK SHAKE DOWN FACILITY SECTION (OPTION A)

N.T.S

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.



TRUCK SHAKE DOWN FACILITY SECTION (OPTION B)

N.T.S

NOTE:
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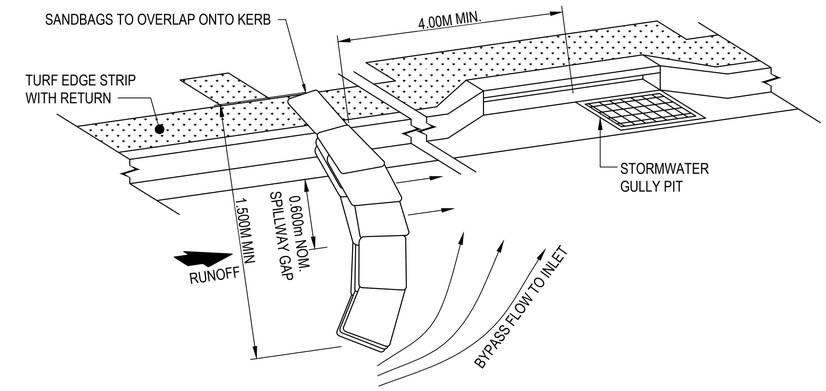
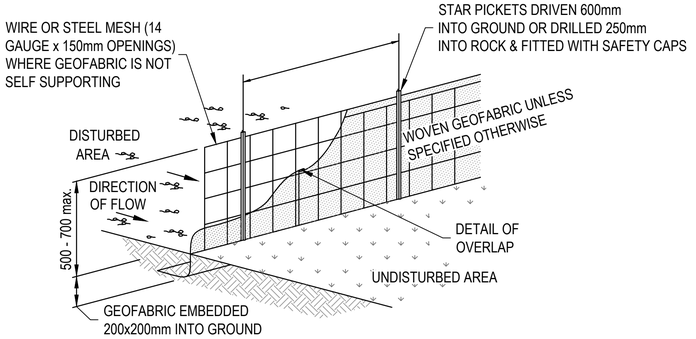


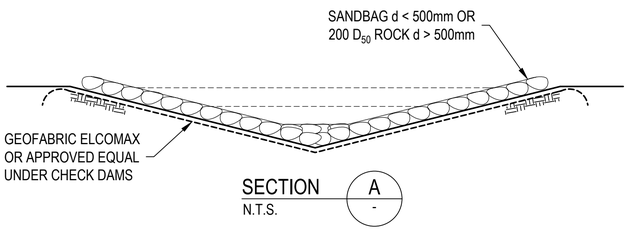
INLET PROTECTION DETAIL (ON-GRADE)

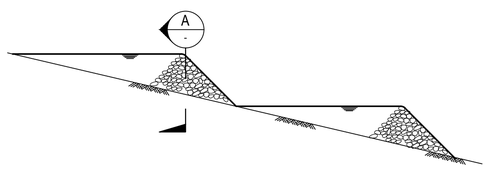
N.T.S.



SEDIMENT FILTER FENCE ISOMETRIC DETAIL

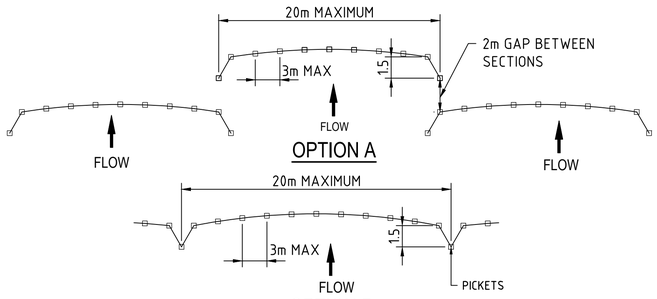
N.T.S.





CHECK DAM TYPICAL SECTION

N.T.S.



SEDIMENT FILTER FENCE CONTOUR LAYING OPTIONS

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 100mnn (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.

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
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STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
CONCEPT EROSION AND
SEDIMENT CONTROL DETAILS

Project No.
304701584

Scale at A1
AS SHOWN

Drawing No.
304701584-STN-02-200-DR-CI-1023

Revision
C05

\\AU2031-PPFSS01\shared_projects\304701584 ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1023 EROS.SETL.dwg
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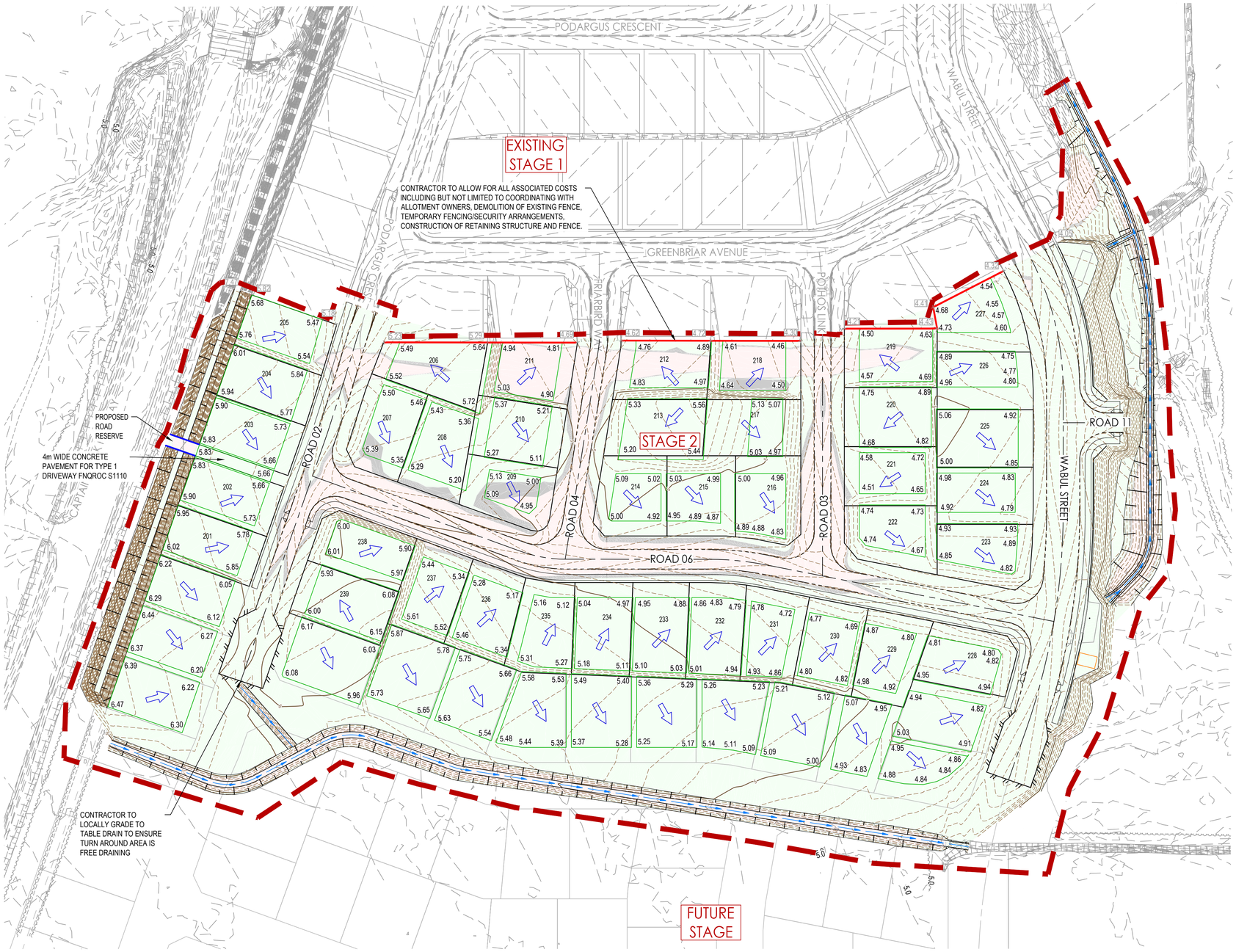
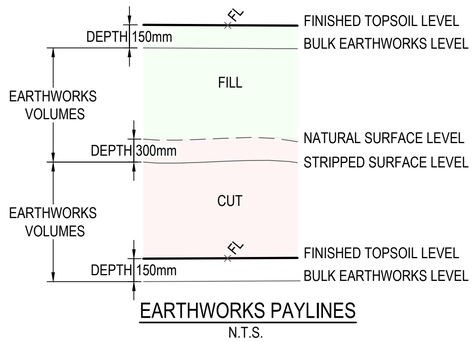


CUT AND FILL LEGEND

FILL CUT



EARTHWORKS PAYLINES

N.T.S.

EARTHWORKS VOLUMES

CUT VOLUMES ARE NEGATIVE
FILL VOLUMES ARE POSITIVE

TOTAL CUT	-1,326 m^3
TOTAL FILL	19,794 m^3
TOTAL BALANCE	18,468 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/UNSUITABLE GROUND REMOVAL.
5. EXCLUDES BIO FILTER MEDIA & ROCK ALLOWANCES.
6. VOLUME FROM STRIPPED EXISTING SURFACE TO BULK EARTHWORKS LEVEL.
7. EXCLUDES PAVEMENT DEPTH.
8. CONTRACTOR TO PROVIDE LEVEL 1 GEOTECHNICAL SUPERVISION FOR EARTHWORKS.
9. LEVELS ARE TO FINISHED TOPSOIL LEVEL.

NOTE

VOLUMES NOMINATED REFLECT THE DIFFERENCES BETWEEN STRIPPED SURFACE (ASSUMED 150mm TOPSOIL) & FINISHED SURFACES.

VOLUMES (ESTIMATED)

CUT AREA = 54,002m^2

TOPSOIL TO BE STRIPPED PRIOR TO PLACING CUT MATERIAL FROM STOCKPILE TO THE SUBDIVISION
(TOPSOIL VOLUME APPROXIMATELY 8,100m^3).

RETAIN EXISTING LEVELS WHERE CUT IS NOMINATED.

REFER TO DWG. 1070 TO 1072 FOR RETAINING WALL PLANS.

REFER TO DWG. 1320 TO 1326 FOR DRAIN PLANS AND DETAILS.

BATTER NOTE:

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

LEGEND

- EXTENT OF WORKS
- D EXISTING STORMWATER
- W EXISTING WATER
- S EXISTING SEWER
- PROPOSED LOT BOUNDARY
- 60.00 PROPOSED PAD LEVEL
- D PROPOSED STORMWATER
- W PROPOSED WATER
- S PROPOSED SEWER
- PROPOSED EASEMENT
- EXISTING CONTOURS (1.0m INTERVAL)
- DESIGN CONTOURS (0.25m INTERVAL)
- OVERLAND FLOW PATH
- PROPOSED BATTER
- EXISTING BATTER
- EXISTING OPEN DRAIN
- PROPOSED FOOTPATH
- PROPOSED FOOTPATH RAMP
- PROPOSED RETAINING WALL

NOTE

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWING 1001-CI-1002 TO 1004, GENERAL NOTES AND DETAILS.
2. SURPLUS TOPSOIL FROM SITE MUST BE DISPOSED OF AT A NOMINATED LOCATION OFF SITE. THE STOCKPILE OF SURPLUS MATERIAL ONSITE SHALL NOT BE PERMITTED WITHOUT SUPPORTING FLOOD MODELLING DEMONSTATING THAT STOCKPILE DOES NOT RESULT IN ADVERSE FLOODING, AND SUBJECT TO THE APPROVAL OF THE LOCAL AUTHORITY.

GENERAL NOTE

CONTRACTOR TO COMPLY WITH ETS GEOTECHNICAL REPORT ACID SULFATE SOIL MANAGEMENT PLAN GT23-234-002R REV 1 DATED MARCH 2025.

CONTRACTOR SHALL ENGAGE GEOTECHNICAL ENGINEER TO UNDERTAKE ADDITIONAL TESTING AND REPORTING TO CONFIRM IF ACID SULFATE SOILS ARE PRESENT IN EXISTING STOCKPILE, AND A SUITABLE TREATMENT IF DISCOVERED. CONTRACTOR SHALL PROVIDE REPORT TO SUPERINTENDENT PRIOR TO UNDERTAKING EARTHWORKS ON THE EXISTING STOCKPILE.

0 15 30 45 60 75m
SCALE 1:750 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
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STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
EARTHWORKS GRADING PLAN
SHEET 1 OF 2

Project No. 304701584
Scale at A1 1:750
Drawing No. 304701584-STN-02-200-DR-CI-1032
Revision C05

V:\AU\203\PPP\301\shared_projects\304701584\ACAD_project files\10_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1032.DWG GRAID.dwg
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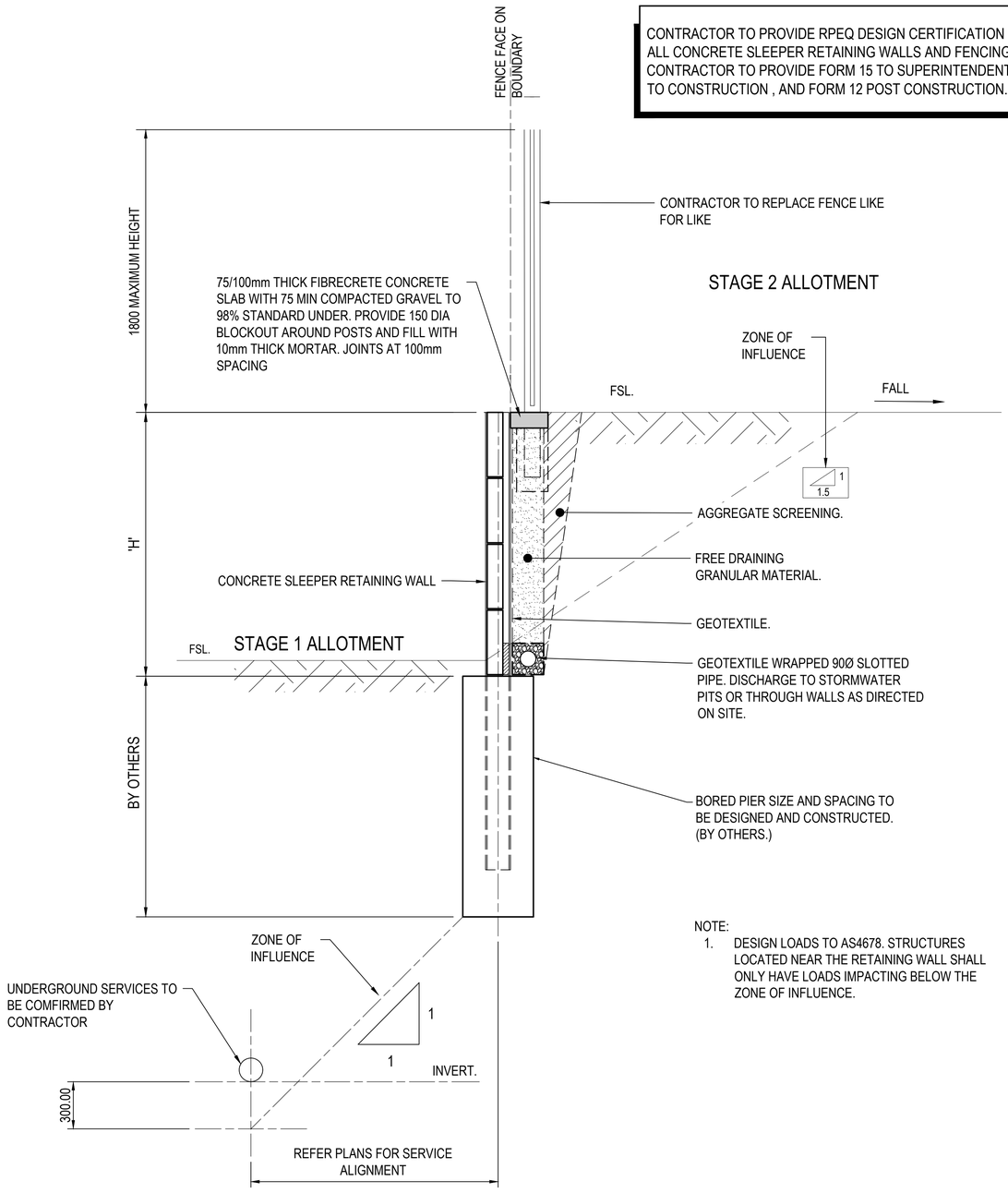
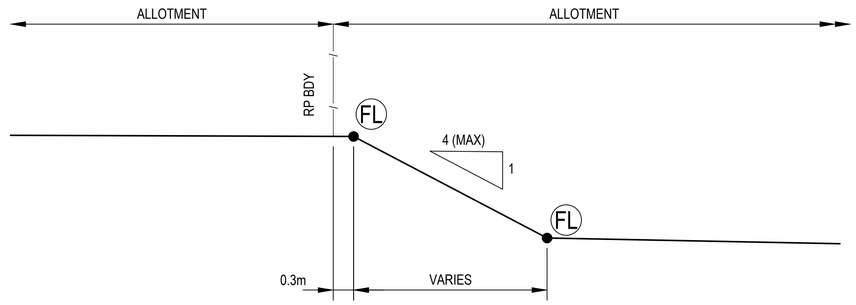
ORIGINAL SHEET - ISO A1

CONTRACTOR TO PROVIDE RPEQ DESIGN CERTIFICATION FOR ALL CONCRETE SLEEPER RETAINING WALLS AND FENCING. CONTRACTOR TO PROVIDE FORM 15 TO SUPERINTENDENT PRIOR TO CONSTRUCTION , AND FORM 12 POST CONSTRUCTION.

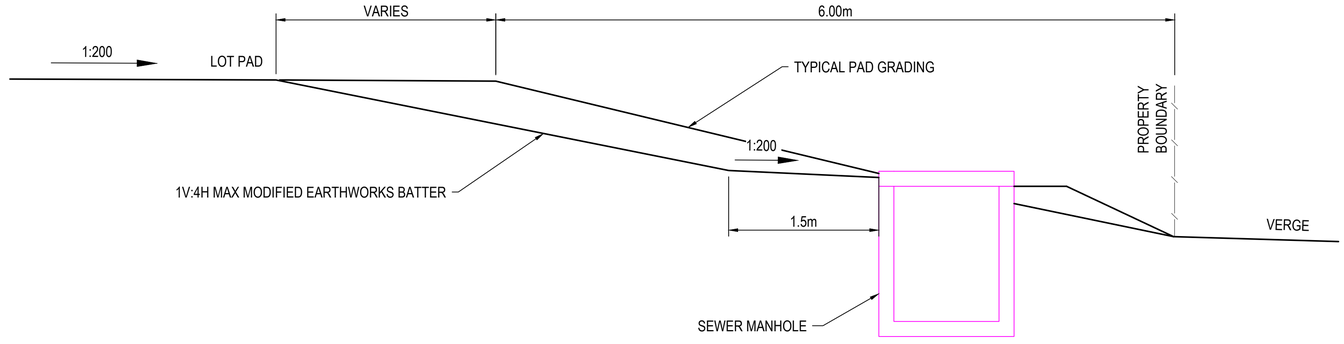


NOTE:
1. DESIGN LOADS TO AS4678. STRUCTURES LOCATED NEAR THE RETAINING WALL SHALL ONLY HAVE LOADS IMPACTING BELOW THE ZONE OF INFLUENCE.

CONCRETE SLEEPER RETAINING WALL
SCALE: N.T.S



TYPICAL BATTER BETWEEN LOTS
SCALE :N.T.S



EARTHWORKS AROUND SEWER MANHOLE
SCALE: N.T.S

Issued/Revision	By	Appd	YYYY.MM.DD
C05 REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04 OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03 ISSUED FOR INTERNAL REVIEW	LN	JD	2025/04/10

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STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
FENCING AND BATTER BETWEEN LOTS DETAIL

Project No. 304701584
Scale at A1 AS SHOWN
Drawing No. 304701584-STN-02-200-DR-CI-1060
Revision C05

\\AU203-FPFS01\Untrained_Projects\304701584\ACC project files\01_WIP_CIVIL\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1060 FENCE BATTER.dwg
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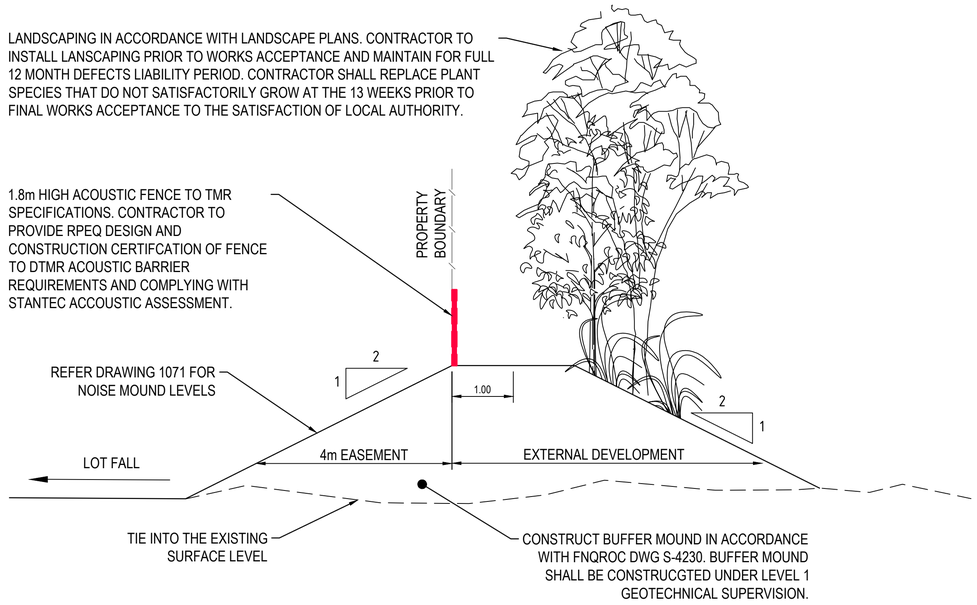
ORIGINAL SHEET - ISO A1

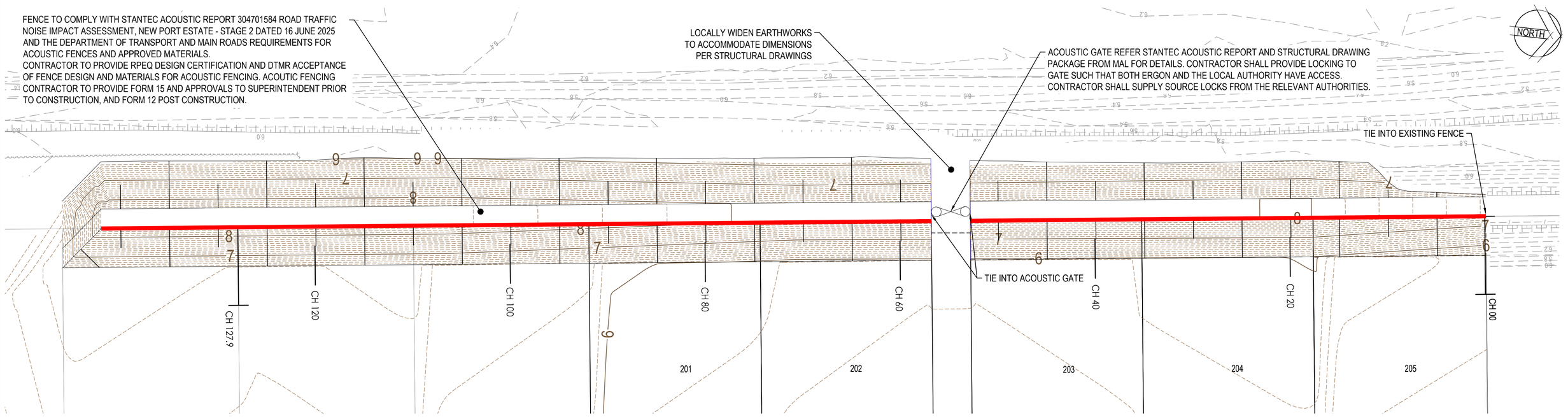


NOISE MOUND TYPICAL DETAIL

N.T.S.

KEYPLAN

SCALE 1:2500



SECTION A

SCALE 1: 200 H

0 1 2 3 4 5m
SCALE 1:50 @A1

0 5 10 15 20m
SCALE 1:200 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
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STAGE 2 - CIVIL WORKS

CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title

NOISE MOUND

Project No.
304701584

Scale at A1

Drawing No.
304701584-STN-02-200-DR-CI-1070

Revision
C05

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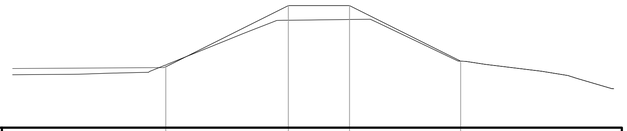


DATUM RL.4.0

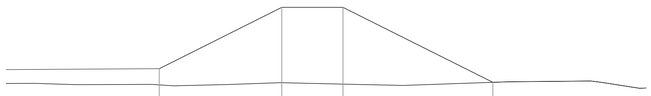
DESIGN LEVEL	5.986	7.986	7.986	6.171
EXISTING LEVEL	6.049	7.507	7.532	6.171
OFFSET	0.000	4.000	6.000	9.629

CH 30.000

DATUM RL.5.0

DESIGN LEVEL	5.902	7.902	7.902	5.821
EXISTING LEVEL	5.959	5.923	5.793	5.821
OFFSET	0.000	4.000	6.000	10.162

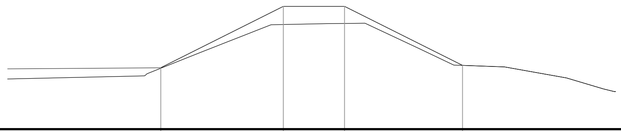
CH 70.000



DATUM RL.5.0

DESIGN LEVEL	6.442	8.442	8.442	5.996
EXISTING LEVEL	5.911	5.982	5.938	5.996
OFFSET	0.000	4.000	6.000	10.893

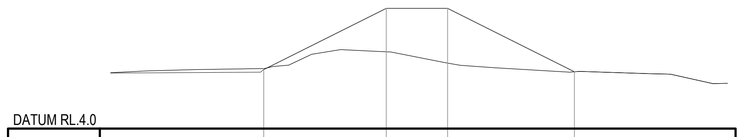
CH 110.000



DATUM RL.4.0

DESIGN LEVEL	6.007	8.007	8.007	6.081
EXISTING LEVEL	5.987	7.414	7.451	6.081
OFFSET	0.000	4.000	6.000	9.851

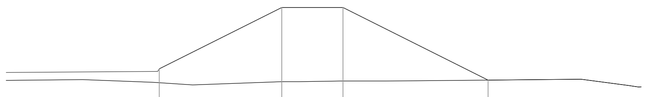
CH 20.000



DATUM RL.4.0

DESIGN LEVEL	5.923	7.923	7.923	5.852
EXISTING LEVEL	5.960	6.505	6.137	5.852
OFFSET	0.000	4.000	6.000	10.142

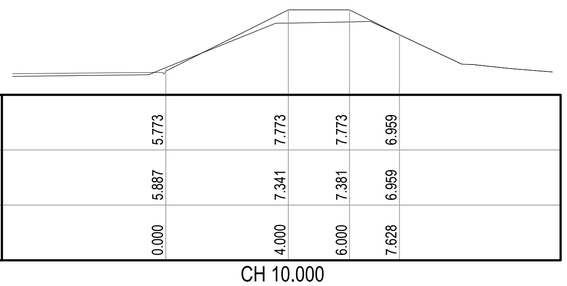
CH 60.000



DATUM RL.5.0

DESIGN LEVEL	6.342	8.342	8.342	5.975
EXISTING LEVEL	5.889	5.920	5.945	5.975
OFFSET	0.000	4.000	6.000	10.734

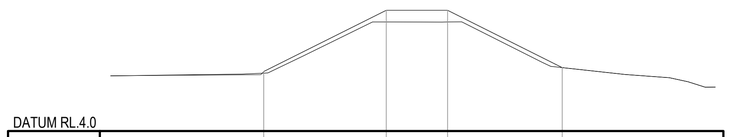
CH 100.000



DATUM RL.5.0

DESIGN LEVEL	5.773	7.773	7.773	6.959
EXISTING LEVEL	5.887	7.341	7.381	6.959
OFFSET	0.000	4.000	6.000	7.628

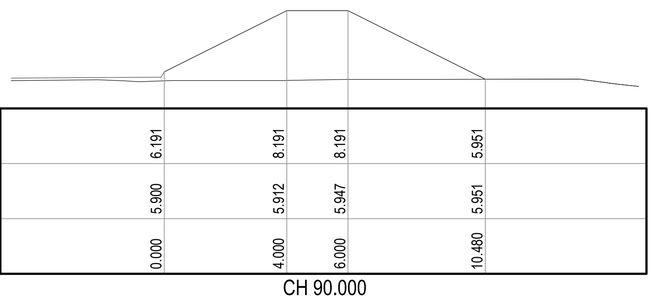
CH 10.000



DATUM RL.4.0

DESIGN LEVEL	5.944	7.944	7.944	6.073
EXISTING LEVEL	5.889	7.561	7.561	6.073
OFFSET	0.000	4.000	6.000	9.742

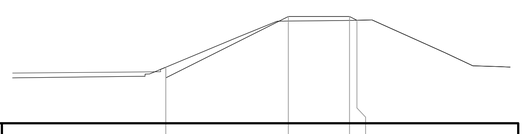
CH 50.000



DATUM RL.5.0

DESIGN LEVEL	6.191	8.191	8.191	5.951
EXISTING LEVEL	5.900	5.912	5.947	5.951
OFFSET	0.000	4.000	6.000	10.480

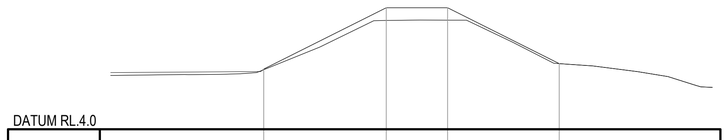
CH 90.000



DATUM RL.4.0

DESIGN LEVEL	5.484	7.484	7.484	7.362
EXISTING LEVEL	5.830	7.335	7.357	7.362
OFFSET	0.000	4.000	6.000	6.243

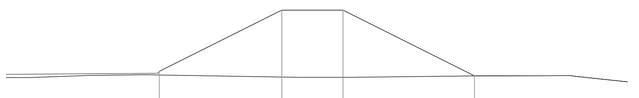
CH 0.000



DATUM RL.4.0

DESIGN LEVEL	5.965	7.965	7.965	6.142
EXISTING LEVEL	5.944	7.550	7.561	6.142
OFFSET	0.000	4.000	6.000	9.646

CH 40.000



DATUM RL.5.0

DESIGN LEVEL	6.040	8.040	8.040	5.895
EXISTING LEVEL	5.924	5.855	5.847	5.895
OFFSET	0.000	4.000	6.000	10.290

CH 80.000

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status

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NEW PORT ESTATE
PORT DOUGLAS

Client/Project

PORT DOUGLAS LAND DEV PTY LTD

NEW PORT ESTATE
STAGE 2 - CIVIL WORKS

CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title

NOISE MOUND SECTIONS
SHEET 1 OF 2

Project No.
304701584

Scale at A1

Drawing No.
304701584-STN-02-200-DR-CI-1071

Revision
C05

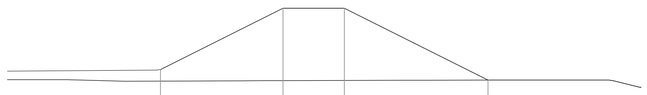
\\AU2033-PPFS01\Unxred_projects\304701584\ACIC project files\02. WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1071-NOISE.MND
Plotted: Zaccour, Fiona Date: 24-Feb-26 5:26:44 PM

ORIGINAL SHEET - ISO A1

DATUM RL.5.0

DESIGN LEVEL	6.465	6.465	6.465	6.152	
EXISTING LEVEL	6.112	6.112	6.126	6.152	
OFFSET	0.000	0.000	2.000	6.605	

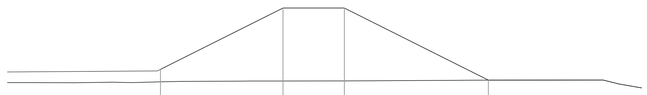
CH 146.000



DATUM RL.5.0

DESIGN LEVEL	6.461	8.461	8.461	6.116
EXISTING LEVEL	6.084	6.102	6.107	6.116
OFFSET	0.000	4.000	6.000	10.690

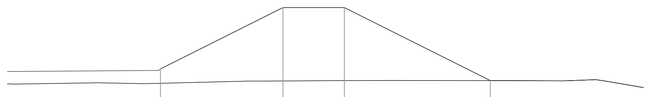
CH 140.000



DATUM RL.5.0

DESIGN LEVEL	6.455	8.455	8.455	6.102
EXISTING LEVEL	6.046	6.073	6.077	6.102
OFFSET	0.000	4.000	6.000	10.706

CH 130.000



DATUM RL.5.0

DESIGN LEVEL	6.448	8.448	8.448	6.066
EXISTING LEVEL	5.978	6.055	6.065	6.066
OFFSET	0.000	4.000	6.000	10.766

CH 120.000

\\AU0033-PPFS001\shared_projects\304701584\ACIC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1070-1071-NOISE.MND
Plotted: Zoccoli, Fiona Date: 24-Feb-26 5:51:00 PM

No.	Issued/Revision	By	Appd	YYYY.MM.DD
C01	OPERATIONAL WORKS APPROVAL	JD	JD	2026/02/24

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NEW PORT ESTATE
PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
NOISE MOUND SECTIONS
SHEET 2 OF 2

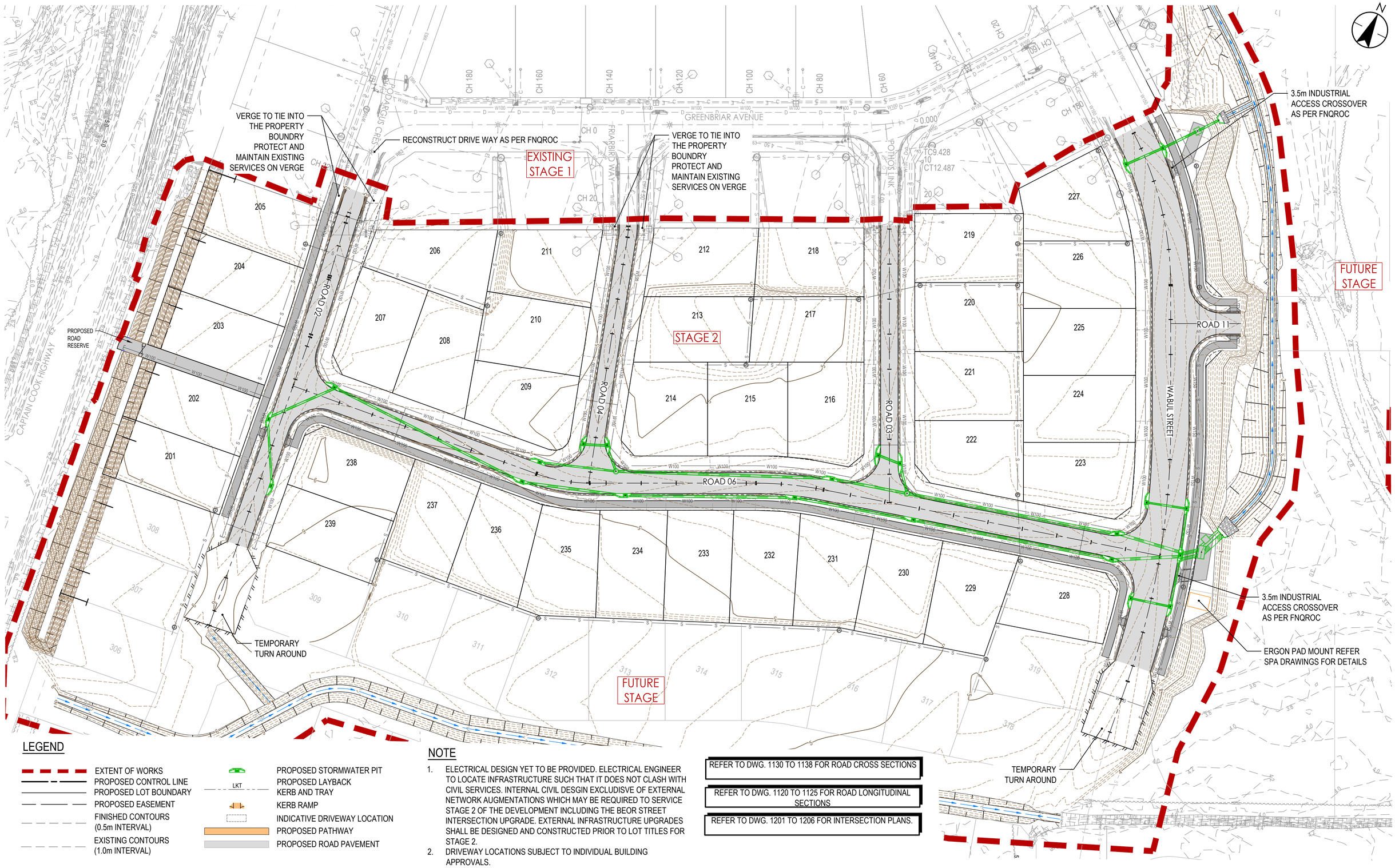
Project No.
304701584

Scale at A1

Drawing No.
304701584-STN-02-200-DR-CI-1072

Revision
C01

ORIGINAL SHEET - ISO A1



LEGEND

- EXTENT OF WORKS
- PROPOSED CONTROL LINE
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT
- FINISHED CONTOURS (0.5m INTERVAL)
- EXISTING CONTOURS (1.0m INTERVAL)
- PROPOSED STORMWATER PIT
- LKT — PROPOSED LAYBACK KERB AND TRAY
- KERB RAMP
- INDICATIVE DRIVEWAY LOCATION
- PROPOSED PATHWAY
- PROPOSED ROAD PAVEMENT

NOTE

1. ELECTRICAL DESIGN YET TO BE PROVIDED. ELECTRICAL ENGINEER TO LOCATE INFRASTRUCTURE SUCH THAT IT DOES NOT CLASH WITH CIVIL SERVICES. INTERNAL CIVIL DESGIN EXCLUDISVE OF EXTERNAL NETWORK AUGMENTATIONS WHICH MAY BE REQUIRED TO SERVICE STAGE 2 OF THE DEVELOPMENT INCLUDING THE BEOR STREET INTERSECTION UPGRADE. EXTERNAL INFRASTRUCTURE UPGRADES SHALL BE DESIGNED AND CONSTRUCTED PRIOR TO LOT TITLES FOR STAGE 2.
2. DRIVEWAY LOCATIONS SUBJECT TO INDIVIDUAL BUILDING APPROVALS.

REFER TO DWG. 1130 TO 1138 FOR ROAD CROSS SECTIONS

REFER TO DWG. 1120 TO 1125 FOR ROAD LONGITUDINAL SECTIONS

REFER TO DWG. 1201 TO 1206 FOR INTERSECTION PLANS.

0 10 20 30 40 50m

SCALE 1:500 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status

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Client/Project Logo

NEW PORT ESTATE
PORT DOUGLAS

Client/Project

PORT DOUGLAS LAND DEV PTY LTD

NEW PORT ESTATE
STAGE 2 - CIVIL WORKS

CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title

ROADWORKS PLAN

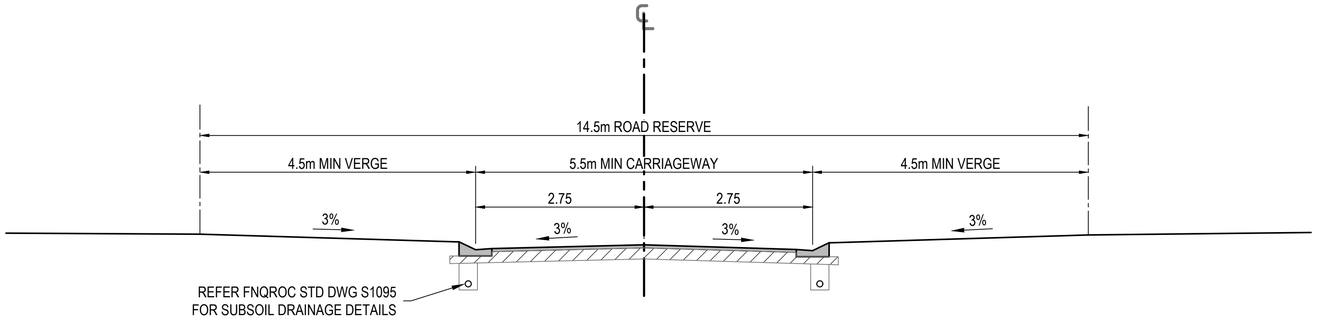
Project No. 304701584

Scale at A1 1:500

Drawing No. 304701584-STN-02-200-DR-CI-1101

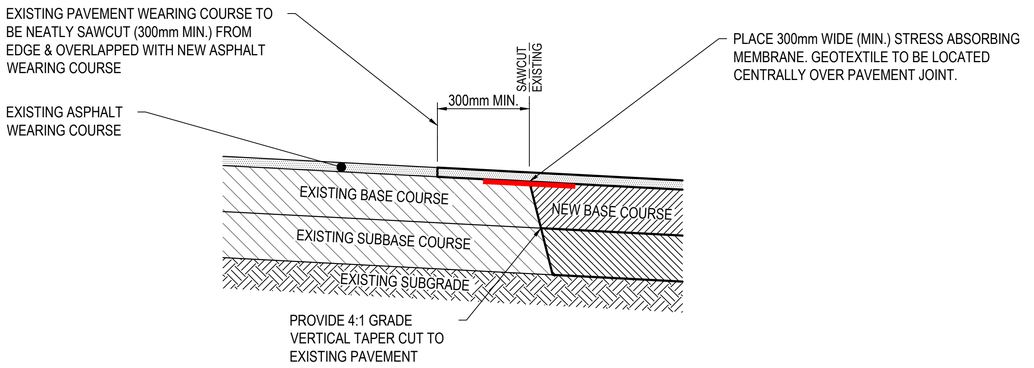
Revision C05

ORIGINAL SHEET - ISO A1



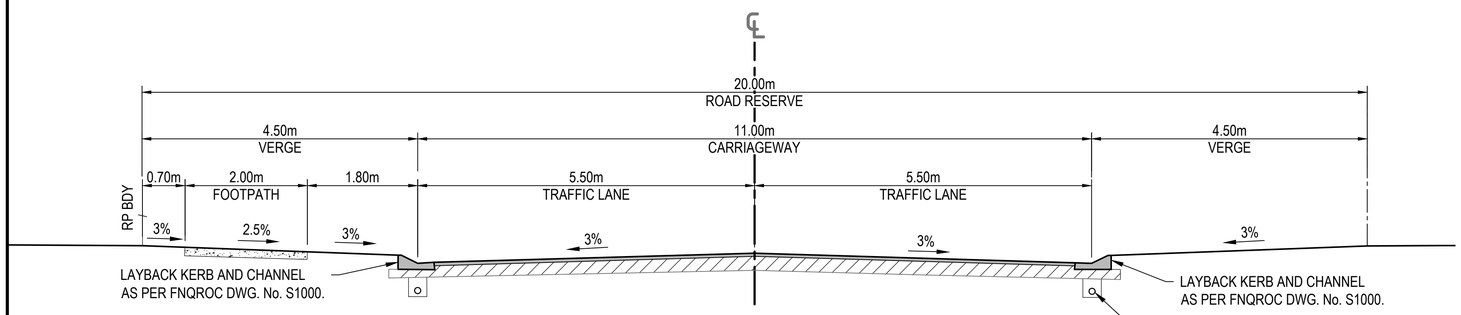
MODIFIED ACCESS PLACE FNQROC TYPE 1

SCALE 1:50
ROAD 03 CH 30 - CH 93
ROAD 04 CH 4.89 - CH 65.8



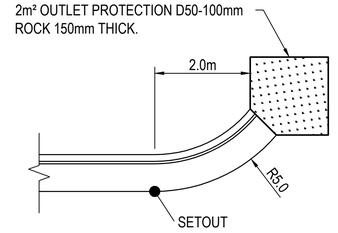
PAVEMENT JOINT DETAIL

NOT TO SCALE



WABUL STREET
MAJOR COLLECTOR FNQROC

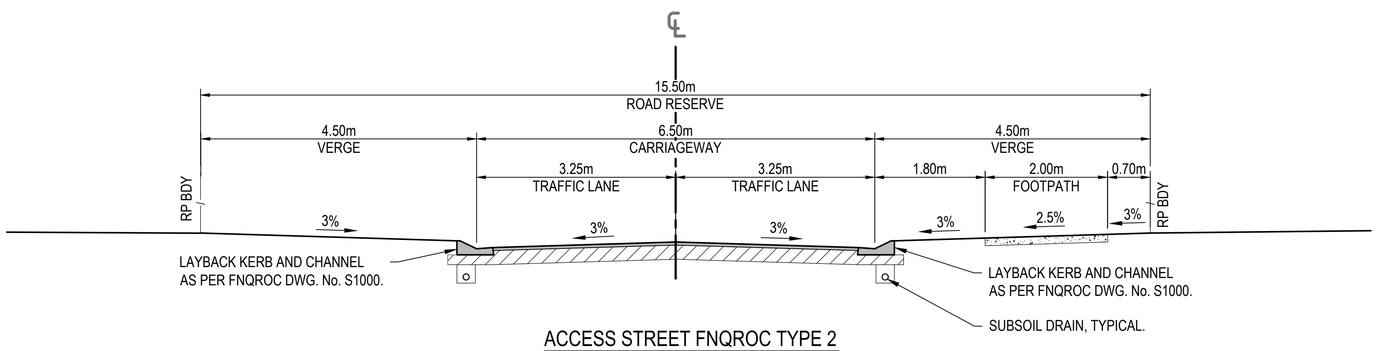
SCALE 1:50
ROAD 01 CH 194.43 - CH 364.38



TYPICAL KERB FLARE

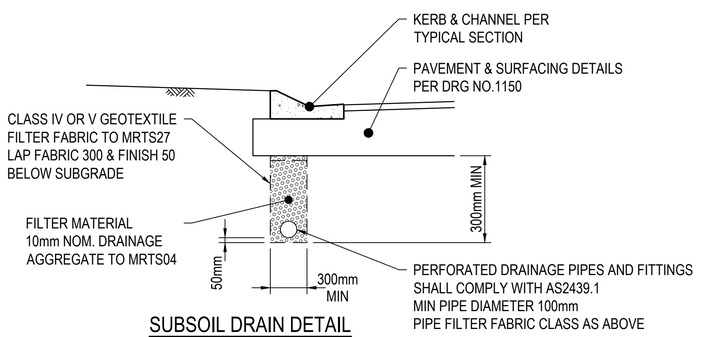
N.T.S.

CONTRACTOR TO PROVIDE KERB FLAIR
AT ENDS OF WABUL STREET AND ROAD 02



ACCESS STREET FNQROC TYPE 2

SCALE 1:50
ROAD 02 CH 0.00 - CH 107.8
ROAD 06 CH 0.00 - CH 238.8



SUBSOIL DRAIN DETAIL

SCALE 1:25

NOTE:
WABUL STREET SUBSOIL TO BE TYPED TO MRTS03 WITH 100mm TOP COVER. CONTRACTOR TO COMPACT WITH HAND HELD UNIT PER MRTS03 TABLE 22.3.1

0 0.5 1 1.5 2 2.5m
SCALE 1:25 @A1

0 1 2 3 4 5m
SCALE 1:50 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

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NEW PORT ESTATE
PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
ROADWORKS TYPICAL AND DETAILS

Project No.
304701584

Scale at A1
AS SHOWN

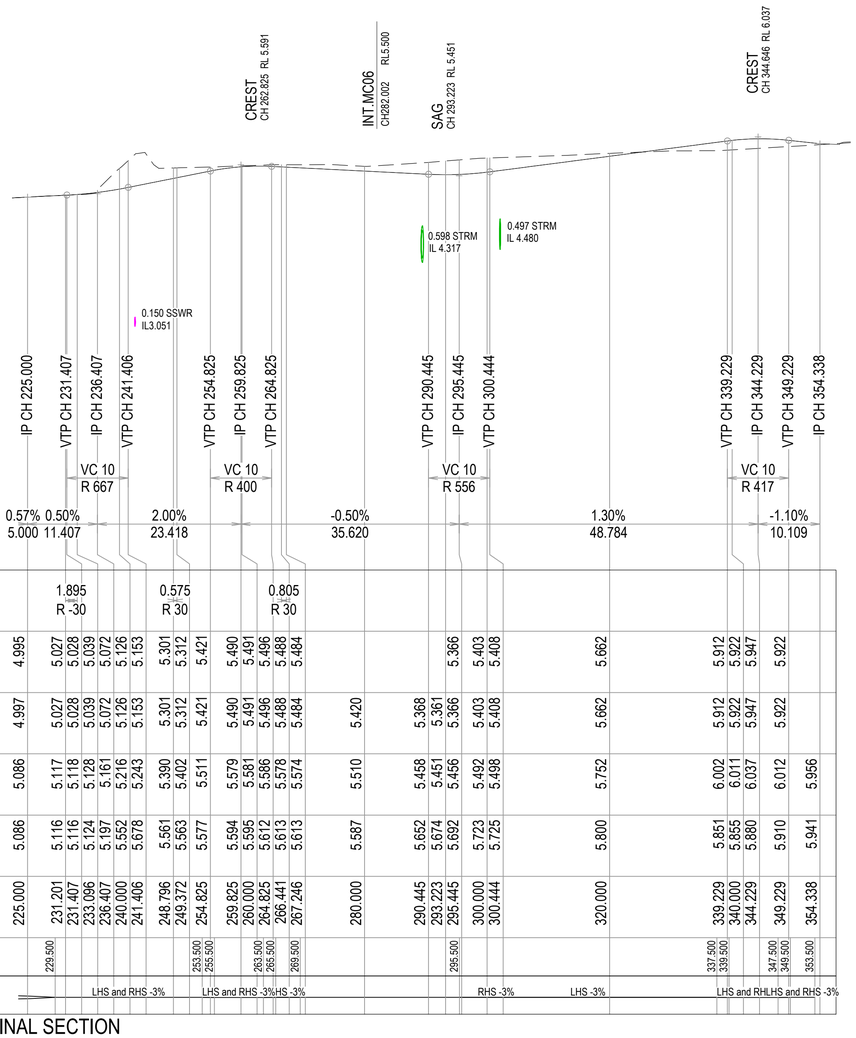
Drawing No.
304701584-STN-02-200-DR-CI-1110

Revision
C05

\\AU001-FPRSP1\shared_projects\304701584\ACC project files\01_WP1_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1110 ROAD DETL.dwg
Richard Zocco, Fiona Zarb - 24-Feb-26, 8:53:30 PM
ORIGINAL SHEET - ISO A1

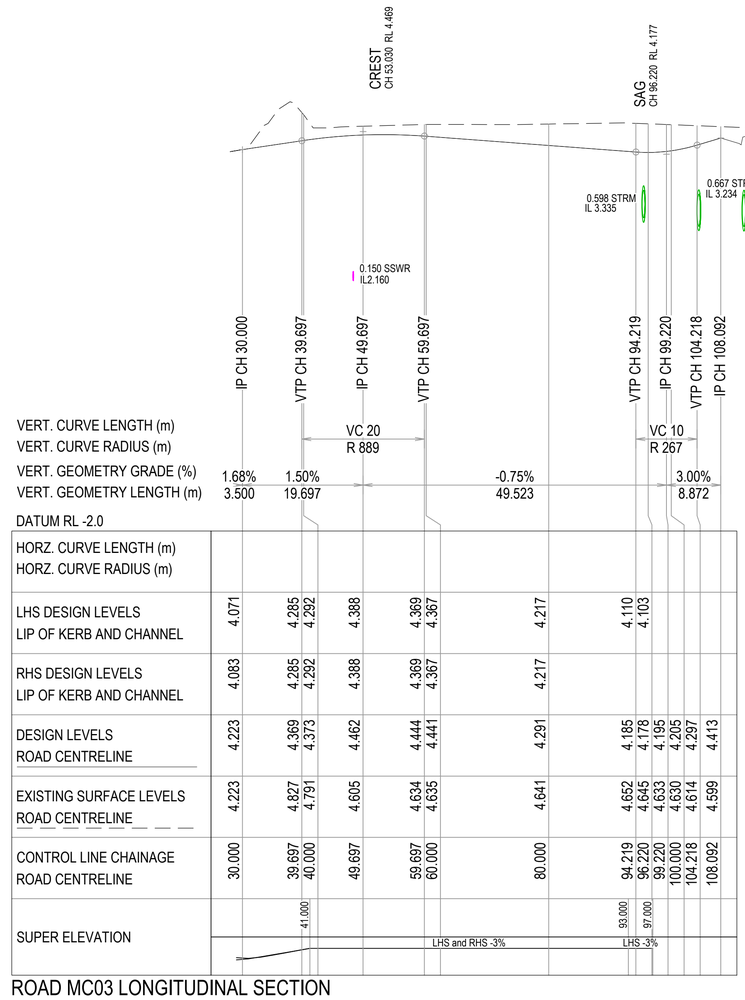
MC02 - SETOUT DATA								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	337113.187	8170537.963	4.087	216°39'29.65"	LINE		49.020
TC	49.020	337083.920	8170498.639	4.192	216°39'29.65"	ARC	35.000	16.648
CT	65.668	337071.234	8170488.101	4.240	243°54'41.49"	LINE		129.782
TC	195.450	336954.675	8170431.028	4.944	243°54'41.49"	ARC	-15.000	18.257
CT	213.707	336946.348	8170416.035	5.030	174°10'34.60"	LINE		17.494
TC	231.201	336948.124	8170398.630	5.117	174°10'34.60"	ARC	-30.000	1.895
CT	233.096	336948.375	8170396.753	5.128	170°33'28.66"	LINE		15.700
TC	248.796	336950.951	8170381.265	5.390	170°33'28.66"	ARC	30.000	0.575
CT	249.372	336951.040	8170380.697	5.402	171°39'24.61"	LINE		17.069
TC	266.441	336953.517	8170363.808	5.578	171°39'24.61"	ARC	30.000	0.805
CT	267.246	336953.623	8170363.010	5.574	173°11'41.44"	LINE		87.092
E	354.338	336963.943	8170276.532	5.956	173°11'41.44"			

MC03 - SETOUT DATA								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	337074.354	8170489.831	4.227	148°04'11.98"	LINE		9.428
TC	9.428	337079.340	8170481.830	4.061	148°04'11.98"	ARC	30.000	3.059
CT	12.487	337080.822	8170479.156	4.061	153°54'41.55"	LINE		95.606
E	108.092	337122.866	8170393.291	4.413	153°54'41.55"			



ROAD MC02 LONGITUDINAL SECTION

SCALE: H 1:500
V 1:50



ROAD MC03 LONGITUDINAL SECTION

SCALE: H 1:500
V 1:50

NOTE:
1. REFER TO DRAWING 1101 TO 1102 FOR ROAD WORKS PLAN.
2. REFER TO DRAWING 1130 TO 1138 FOR ROAD CROSS SECTIONS.

H: 0 10 20 30 40 50m
V: 0 1 2 3 4 5m
SCALE: H:1:500 V:1:50 @A1

Issued/Revision		By	Appd	YYYY.MM.DD
C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07

Issue Status
S4
SUITABLE FOR STAGE APPROVAL
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Coordinate System
MGA/YY-Zone
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.

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Client/Project Logo
NEW PORT ESTATE
PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
ROADWORKS CONTROL TABLE AND LONGITUDINAL SECTIONS SHEET 1 OF 4

Project No.
304701584

Scale at A1

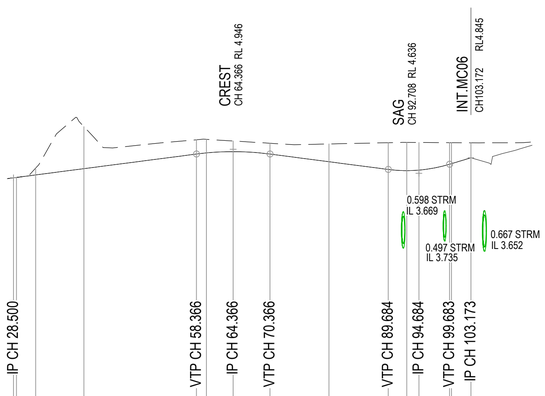
Drawing No.
304701584-STN-02-200-DR-CI-1120

Revision
C05

\\AU2033.PPRD01\shared_projects\304701584\ACC project files\01_WIP_CI\200_Shop Dr\Drawings\304701584TRN-02-200-DR-CI-1120.11202.ROAD.CI.dwg
Richard Boocock, Rioca, Date: 24-Feb-26 3:54:14 PM
ORIGINAL SHEET - ISO A1

MC04 - SETOUT DATA								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	337008.526	8170457.396	4.632	153°54'23.09"	LINE		28.990
TC	28.990	337021.276	8170431.361	4.525	153°54'23.09"	ARC	20.000	3.145
CT	32.135	337022.432	8170428.440	4.566	162°54'58.27"	LINE		71.038
E	103.173	337043.301	8170360.536	4.845	162°54'58.27"			

ALIGNMENT/ROADS/MC11->MC11 HORIZONTAL SEGMENTS							
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.LEN
S	0.000	337172.493	8170474.488	4.743	63°54'41.49"	LINE	308.130
E	308.130	337449.230	8170609.991	3.323	63°54'41.49"		



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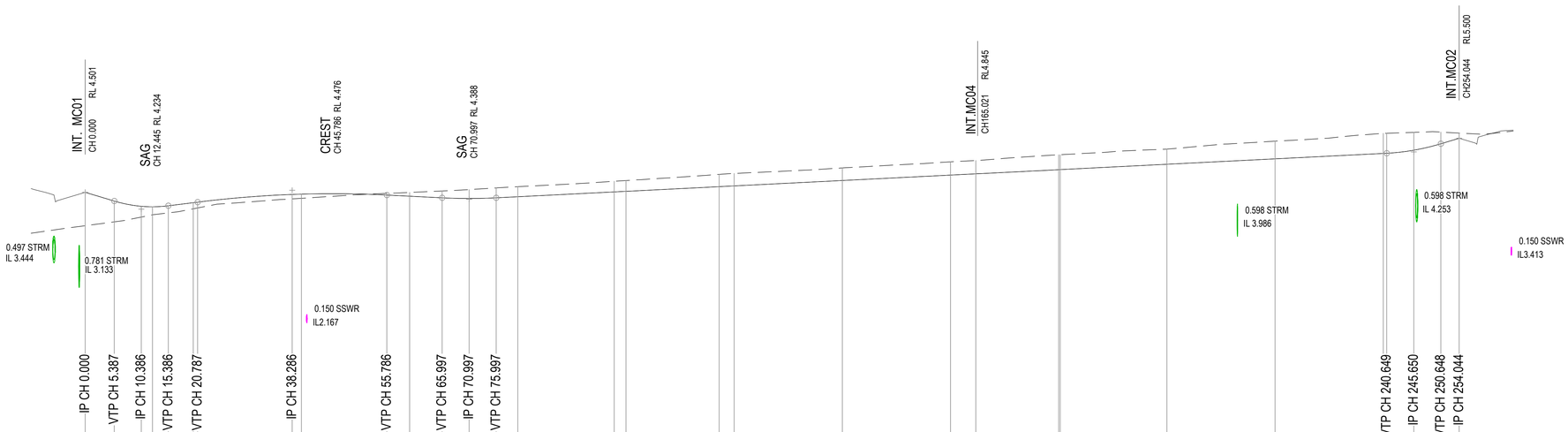
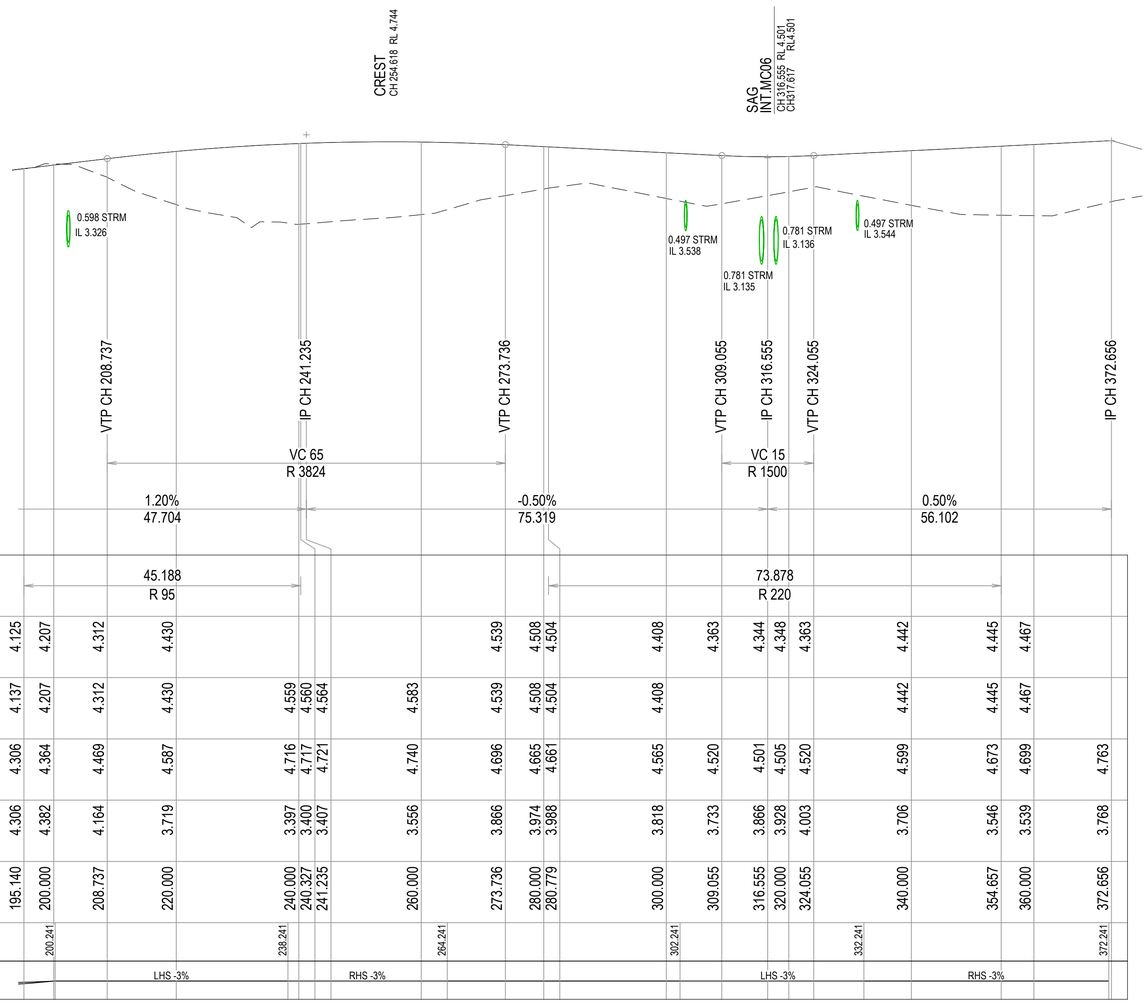
MC06 - SETOUT DATA								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	337198.873	8170413.615	4.501	255°01'46.95"	LINE		97.822
TC	97.822	337104.371	8170388.345	4.509	255°01'46.95"	ARC	-100.000	19.400
CT	117.222	337086.232	8170381.553	4.606	243°54'51.78"	LINE		47.459
TC	164.681	337043.607	8170360.685	4.843	243°54'51.78"	ARC	45.000	15.593
CT	180.274	337028.705	8170356.367	4.921	263°46'02.80"	LINE		73.770
E	254.044	336955.371	8170348.358	5.500	263°46'02.80"			



| | | | | | | | |

WABUL STREET - SETOUT DATA

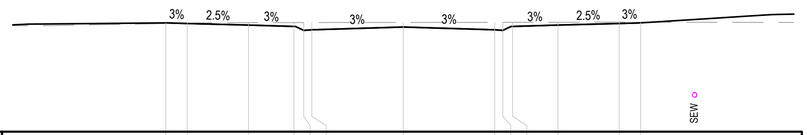
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	337027.151	8170672.714	3.593	153°54'44.48"	LINE		112.977
TC	112.977	337076.832	8170571.247	4.127	153°54'44.48"	ARC	-45.000	21.405
CT	134.382	337090.381	8170554.936	4.229	126°39'29.65"	LINE		60.758
TC	195.140	337139.121	8170518.662	4.306	126°39'29.65"	ARC	95.000	45.188
CT	240.327	337167.723	8170484.229	4.717	153°54'41.48"	LINE		40.451
TC	280.779	337185.512	8170447.898	4.661	153°54'41.48"	ARC	220.000	73.878
CT	354.657	337206.357	8170377.384	4.673	173°09'07.16"	LINE		18.000
E	372.656	337208.503	8170359.512	4.763	173°09'07.16"			



| | | |

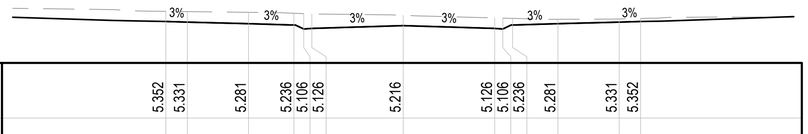
NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304701584-STN-02-200-DR-CI-001003 TO 001005, GENERAL NOTES AND DETAILS.
2. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304701584-STN-02-200-DR-CI-001201 TO 001203.



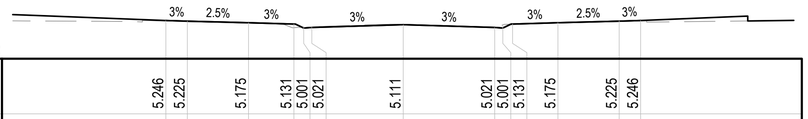
DATUM RL.2.0												
DESIGN LEVEL	5.550	5.529	5.479	5.435	5.305	5.325	5.414	5.325	5.305	5.435	5.479	5.529	5.550
EXISTING LEVEL	5.528	5.539	5.559	5.561	5.561	5.561	5.564	5.567	5.567	5.567	5.571	5.575	5.574
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 250.000



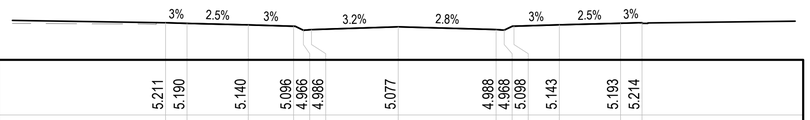
DATUM RL.4.0												
DESIGN LEVEL	5.352	5.331	5.281	5.236	5.106	5.126	5.216	5.126	5.106	5.236	5.281	5.331	5.352
EXISTING LEVEL	5.682	5.674	5.651	5.621	5.608	5.597	5.552	5.468	5.461	5.452	5.423	5.434	5.450
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 240.000



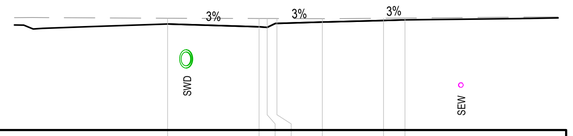
DATUM RL.4.0												
DESIGN LEVEL	5.246	5.225	5.175	5.131	5.001	5.021	5.111	5.021	5.001	5.131	5.175	5.225	5.246
EXISTING LEVEL	5.229	5.209	5.157	5.013	5.031	5.040	5.111	5.001	5.105	5.130	5.183	5.234	5.233
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 230.000



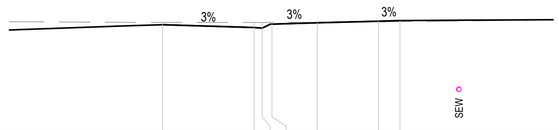
DATUM RL.4.0												
DESIGN LEVEL	5.211	5.190	5.140	5.096	4.966	4.986	5.077	4.988	4.968	5.098	5.143	5.193	5.214
EXISTING LEVEL	5.217	5.195	5.134	5.090	4.972	4.987	5.078	4.989	4.975	5.094	5.148	5.194	5.191
OFFSET	-7.597	-6.897	-4.897	-3.417	-3.097	-2.832	0.000	3.193	3.458	3.778	5.258	7.258	7.958

CH 223.500



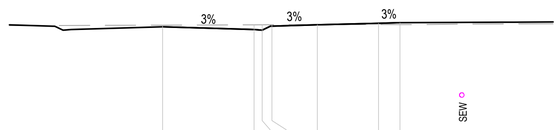
DATUM RL.2.0									
DESIGN LEVEL	5.460	5.370	5.350	5.480	5.525	5.575	5.596		
EXISTING LEVEL	5.649	5.641	5.640	5.640	5.636	5.649	5.654		
OFFSET	0.000	2.985	3.250	3.570	5.050	7.050	7.750		

CH 290.000



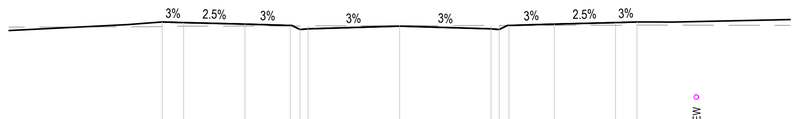
DATUM RL.2.0									
DESIGN LEVEL	5.510	5.420	5.400	5.530	5.575	5.625	5.646		
EXISTING LEVEL	5.587	5.584	5.584	5.583	5.582	5.603	5.611		
OFFSET	0.000	2.985	3.250	3.570	5.050	7.050	7.750		

CH 280.000



DATUM RL.2.0									
DESIGN LEVEL	5.560	5.470	5.450	5.580	5.625	5.675	5.696		
EXISTING LEVEL	5.614	5.624	5.625	5.626	5.631	5.634	5.633		
OFFSET	0.000	2.985	3.250	3.570	5.050	7.050	7.750		

CH 270.000



DATUM RL.2.0												
DESIGN LEVEL	5.717	5.696	5.646	5.601	5.471	5.491	5.581	5.491	5.471	5.601	5.646	5.696	5.717
EXISTING LEVEL	5.568	5.579	5.584	5.587	5.588	5.588	5.595	5.602	5.603	5.603	5.607	5.611	5.613
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 260.000

ROAD MC02 CROSS SECTIONS

SCALE 1:1000

0 2.5 5 7.5 10 12.5m

SCALE 1:125 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status

S4
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Coordinate System
MGA/YY-Zone
Datum
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Client/Project Logo

NEW PORT ESTATE
PORT DOUGLAS

Client/Project

PORT DOUGLAS LAND DEV PTY LTD

NEW PORT ESTATE
STAGE 2 - CIVIL WORKS

CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title

ROADWORKS CROSS SECTIONS
SHEET 1 OF 13

Project No.
304701584

Scale at A1

Drawing No.
304701584-STN-02-200-DR-CI-1130

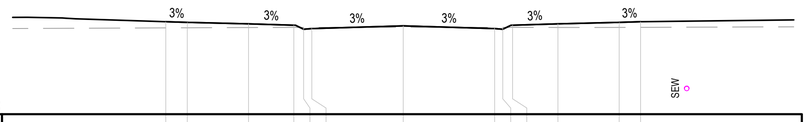
Revision
C05

\\AUS021-FPS001\shared_projects\304701584-ACC-project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1130-116 ROAD SECT.dwg
Plotted: Jacqui Kong, Date: 24-Feb-26 3:53:53 PM

ORIGINAL SHEET - ISO A1

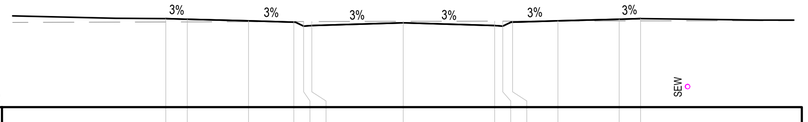
NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304701584-STN-02-200-DR-CI-001003 TO 001005, GENERAL NOTES AND DETAILS.
2. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304701584-STN-02-200-DR-CI-001201 TO 001203.



DATUM RL.3.0												
DESIGN LEVEL	6.018	5.997	5.947	5.902	5.772	5.792	5.882	5.792	5.772	5.902	5.947	5.997	6.018
EXISTING LEVEL	5.816	5.819	5.827	5.831	5.832	5.833	5.839	5.834	5.833	5.833	5.830	5.832	5.834
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 330.000

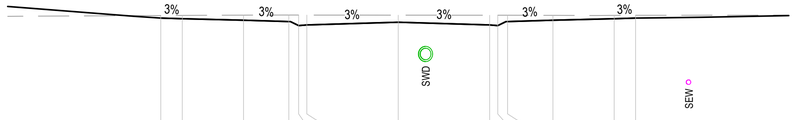


DATUM RL.3.0												
DESIGN LEVEL	5.888	5.867	5.817	5.772	5.642	5.662	5.752	5.662	5.642	5.772	5.817	5.867	5.888
EXISTING LEVEL	5.779	5.781	5.786	5.792	5.793	5.794	5.800	5.806	5.807	5.807	5.810	5.813	5.814
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 320.000

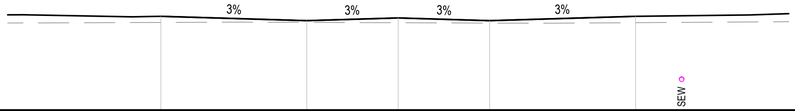
DATUM RL.3.0												
DESIGN LEVEL	5.758	5.737	5.687	5.642	5.512	5.532	5.622	5.532	5.512	5.642	5.687	5.737	5.758
EXISTING LEVEL	5.748	5.750	5.755	5.759	5.760	5.759	5.757	5.757	5.758	5.758	5.761	5.765	5.765
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 310.000



DATUM RL.2.0												
DESIGN LEVEL	5.628	5.607	5.557	5.513	5.383	5.403	5.492	5.403	5.383	5.513	5.557	5.607	5.628
EXISTING LEVEL	5.710	5.714	5.723	5.727	5.726	5.726	5.723	5.721	5.720	5.720	5.716	5.716	5.718
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 300.000



DATUM RL.3.0					
DESIGN LEVEL	6.065	5.922	6.011	5.922	6.065
EXISTING LEVEL	5.864	5.866	5.855	5.844	5.857
OFFSET	-7.750	-2.985	0.000	2.985	7.750

CH 340.000

ROAD MC02 CROSS SECTIONS

SCALE 1:1000

0 2.5 5 7.5 10 12.5m

SCALE 1:125 @A1

Issued/Revision		By	Appd	YYYY.MM.DD
C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07

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Client/Project Logo

NEW PORT ESTATE
PORT DOUGLAS

Client/Project

PORT DOUGLAS LAND DEV PTY LTD

NEW PORT ESTATE
STAGE 2 - CIVIL WORKS

CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title

ROADWORKS CROSS SECTIONS
SHEET 2 OF 13

Project No. 304701584

Scale at A1

Drawing No. 304701584-STN-02-200-DR-CI-1131

Revision C05

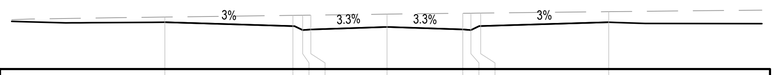
\\AU2031-PPFS01\Intranet_projects\304701584\ACC project files\01_WIP_CIV\200_Shagga Z\Drawings\304701584-STN-02-200-DR-CI-1130-1134.RCAD.SECT.dwg
Plotted: Broccon, Rhona Date: 24-Feb-26 3:54:03 PM
ORIGINAL SHEET - ISO A1

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304701584-STN-02-200-DR-CI-001003 TO 001005, GENERAL NOTES AND DETAILS.
2. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304701584-STN-02-200-DR-CI-001201 TO 001203.

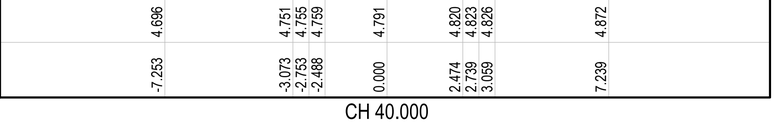
DATUM RL.3.0																	
DESIGN LEVEL	4.624			4.499	4.369	4.389	4.463	4.389	4.369	4.499			4.624				
EXISTING LEVEL	4.574			4.593	4.594	4.595	4.606	4.617	4.618	4.619			4.637				
OFFSET	-7.250			-3.070	-2.750	-2.485	0.000	2.485	2.750	3.070			7.250				

CH 50.000



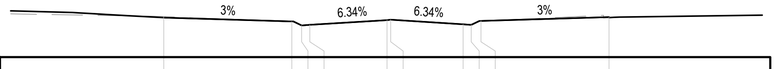
DATUM RL.3.0																	
DESIGN LEVEL	4.527			4.402	4.272	4.292	4.373	4.292	4.272	4.402			4.527				
EXISTING LEVEL	4.696			4.751	4.755	4.759	4.791	4.820	4.823	4.826			4.872				
OFFSET	-7.253			-3.073	-2.753	-2.488	0.000	2.474	2.739	3.059			7.239				

CH 40.000



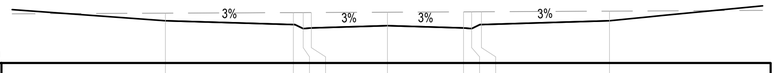
DATUM RL.3.0																	
DESIGN LEVEL	4.306			4.181	4.051	4.071	4.223	4.083	4.063	4.193			4.318				
EXISTING LEVEL	4.350			4.173	4.056	4.071	4.223	4.109	4.112	4.203			4.377				
OFFSET	-7.287			-3.107	-2.787	-2.522	0.000	2.459	2.724	3.044			7.224				

CH 30.000



DATUM RL.3.0																	
DESIGN LEVEL	4.290			4.164	4.034	4.054	4.206	4.071	4.051	4.181			4.307				
EXISTING LEVEL	4.320			4.151	4.035	4.049	4.206	4.071	4.057	4.179			4.289				
OFFSET	-7.287			-3.107	-2.787	-2.522	0.000	2.483	2.748	3.068			7.248				

CH 29.000

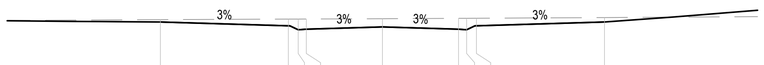


DATUM RL.3.0																	
DESIGN LEVEL	4.377			4.252	4.122	4.142	4.216	4.142	4.122	4.252			4.377				
EXISTING LEVEL	4.625			4.643	4.644	4.645	4.657	4.668	4.669	4.671			4.691				
OFFSET	-7.250			-3.070	-2.750	-2.485	0.000	2.485	2.750	3.070			7.250				

CH 90.000

DATUM RL.3.0																	
DESIGN LEVEL	4.452			4.327	4.197	4.217	4.291	4.217	4.197	4.327			4.452				
EXISTING LEVEL	4.611			4.627	4.629	4.630	4.641	4.653	4.654	4.656			4.677				
OFFSET	-7.250			-3.070	-2.750	-2.485	0.000	2.485	2.750	3.070			7.250				

CH 80.000



DATUM RL.3.0																	
DESIGN LEVEL	4.527			4.402	4.272	4.292	4.366	4.292	4.272	4.402			4.527				
EXISTING LEVEL	4.604			4.621	4.622	4.623	4.633	4.646	4.648	4.649			4.671				
OFFSET	-7.250			-3.070	-2.750	-2.485	0.000	2.485	2.750	3.070			7.250				

CH 70.000

DATUM RL.3.0																	
DESIGN LEVEL	4.602			4.477	4.347	4.367	4.441	4.367	4.347	4.477			4.602				
EXISTING LEVEL	4.595			4.618	4.620	4.621	4.635	4.649	4.651	4.653			4.678				
OFFSET	-7.250			-3.070	-2.750	-2.485	0.000	2.485	2.750	3.070			7.250				

CH 60.000

ROAD MC03 CROSS SECTIONS

SCALE 1:1000

0 2.5 5 7.5 10 12.5m

SCALE 1:125 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/XX
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/04/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status

S4
SUITABLE FOR STAGE APPROVAL

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Coordinate System
MGA/YY-Zone
Datum
mAHD

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Client/Project Logo

NEW PORT ESTATE
PORT DOUGLAS

Client/Project

PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS

CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/XX
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title

ROADWORKS CROSS SECTIONS
SHEET 3 OF 13

Project No.
304701584

Scale at A1

Drawing No.
304701584-STN-02-200-DR-CI-1132

Revision
C05

\\AU003-FPRS01\Unhard_projects\304701584\ACC project files\01_WIP_CV\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1193-116.ROAD.SECT_.dwg
Plotted: Dzocova Riana Date: 24-Feb-26 9:36:13 PM

ORIGINAL SHEET - ISO A1

NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304701584-STN-02-200-DR-CI-001003 TO 001005, GENERAL NOTES AND DETAILS.
2. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304701584-STN-02-200-DR-CI-001201 TO 001203.

DATUM RL.4.0

DESIGN LEVEL	5.086			4.960	4.830	4.850	4.925	4.850	4.830	4.960	5.086			
EXISTING LEVEL	5.092			5.124	5.126	5.128	5.147	5.166	5.168	5.170	5.192			
OFFSET	-7.250			-3.070	-2.750	-2.485	0.000	2.485	2.750	3.070	7.250			

CH 60.000

DATUM RL.4.0

DESIGN LEVEL	4.959			4.833	4.703	4.723	4.798	4.723	4.703	4.833	4.959			
EXISTING LEVEL	5.018			5.043	5.045	5.047	5.062	5.077	5.079	5.081	5.106			
OFFSET	-7.250			-3.070	-2.750	-2.485	0.000	2.485	2.750	3.070	7.250			

CH 50.000

DATUM RL.4.0

DESIGN LEVEL	4.829			4.703	4.573	4.593	4.668	4.593	4.573	4.703	4.829			
EXISTING LEVEL	5.180			5.280	5.288	5.295	5.354	5.414	5.420	5.428	5.554			
OFFSET	-7.250			-3.070	-2.750	-2.485	0.000	2.485	2.750	3.070	7.250			

CH 40.000

DATUM RL.3.0

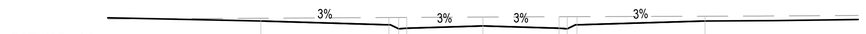
DESIGN LEVEL	4.680			4.555	4.425	4.445	4.538	4.449	4.429	4.559	4.685			
EXISTING LEVEL	4.721			4.566	4.456	4.472	4.536	4.452	4.469	4.562	4.721			
OFFSET	-7.274			-3.094	-2.774	-2.509	0.000	2.510	2.775	3.095	7.275			

CH 30.000

DATUM RL.3.0

DESIGN LEVEL	4.659			4.533	4.403	4.423	4.518	4.428	4.408	4.538	4.663			
EXISTING LEVEL	4.606			4.526	4.410	4.424	4.518	4.428	4.417	4.530	4.699			
OFFSET	-7.277			-3.097	-2.777	-2.512	0.000	2.513	2.778	3.098	7.278			

CH 28.500



DATUM RL.4.0

DESIGN LEVEL	4.942			4.817	4.687	4.707	4.781	4.707	4.687	4.817	4.942			
EXISTING LEVEL	5.032			5.056	5.057	5.059	5.071	5.082	5.082	5.083	5.097			
OFFSET	-7.250			-3.070	-2.750	-2.485	0.000	2.485	2.750	3.070	7.250			

CH 80.000

DATUM RL.4.0

DESIGN LEVEL	5.072			4.947	4.817	4.837	4.911	4.837	4.817	4.947	5.072			
EXISTING LEVEL	5.033			5.062	5.064	5.066	5.085	5.104	5.106	5.108	5.130			
OFFSET	-7.250			-3.070	-2.750	-2.485	0.000	2.485	2.750	3.070	7.250			

CH 70.000

ROAD MC04 CROSS SECTIONS

SCALE 1:1000

0 2.5 5 7.5 10 12.5m

SCALE 1:125 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status

S4
SUITABLE FOR STAGE APPROVAL

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Coordinate System
MGA/YY-Zone
Datum
mAHD

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Client/Project Logo

NEW PORT ESTATE
PORT DOUGLAS

Client/Project

PORT DOUGLAS LAND DEV PTY LTD

NEW PORT ESTATE
STAGE 2 - CIVIL WORKS

CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/XX
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title

ROADWORKS CROSS SECTIONS
SHEET 4 OF 13

Project No. 304701584

Scale at A1

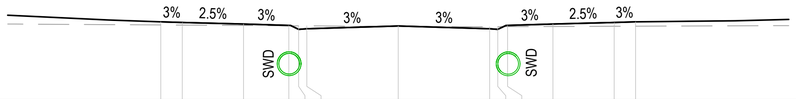
Drawing No. 304701584-STN-02-200-DR-CI-1133

Revision C05

\\AU203-PPFSS01.shared_projects\304701584\ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1133.tc RDAD-SECT.dwg
Plotted: Stoccour, Riona Date: 24-Feb-26 3:54:48 PM

ORIGINAL SHEET - ISO A1

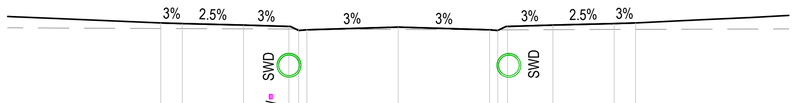
NOTE:
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304701584-STN-02-200-DR-CI-001003 TO 001005, GENERAL NOTES AND DETAILS.
2. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304701584-STN-02-200-DR-CI-001201 TO 001203.



DATUM RL.2.0

DESIGN LEVEL	4.607	4.586	4.536	4.492	4.362	4.382	4.472	4.382	4.362	4.492	4.536	4.586	4.607
EXISTING LEVEL	4.506	4.501	4.489	4.479	4.477	4.476	4.457	4.450	4.451	4.452	4.456	4.463	4.466
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

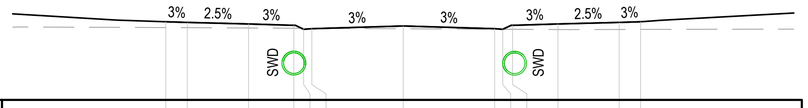
CH 50.000



DATUM RL.1.0

DESIGN LEVEL	4.604	4.583	4.533	4.488	4.358	4.378	4.468	4.378	4.358	4.488	4.533	4.583	4.604
EXISTING LEVEL	4.421	4.418	4.410	4.405	4.404	4.402	4.391	4.379	4.378	4.377	4.383	4.391	4.394
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

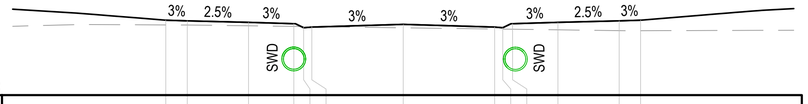
CH 40.000



DATUM RL.2.0

DESIGN LEVEL	4.550	4.529	4.479	4.434	4.304	4.324	4.414	4.324	4.304	4.434	4.479	4.529	4.550
EXISTING LEVEL	4.361	4.357	4.347	4.340	4.338	4.337	4.322	4.307	4.306	4.304	4.297	4.298	4.300
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

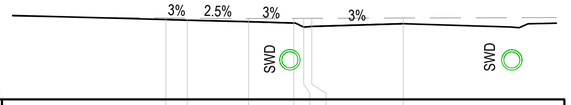
CH 30.000



DATUM RL.2.0

DESIGN LEVEL	4.446	4.425	4.375	4.330	4.200	4.220	4.310	4.220	4.200	4.330	4.375	4.425	4.446
EXISTING LEVEL	4.292	4.288	4.263	4.244	4.240	4.236	4.197	4.158	4.155	4.150	4.131	4.105	4.102
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 20.000



DATUM RL.2.0

DESIGN LEVEL	4.606	4.585	4.535	4.490	4.360	4.380	4.470				
EXISTING LEVEL	4.656	4.650	4.640	4.644	4.645	4.646	4.656				
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000				

CH 90.000

DATUM RL.2.0

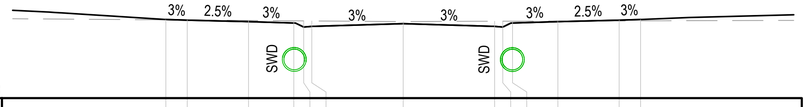
DESIGN LEVEL	4.556	4.535	4.485	4.440	4.310	4.330	4.420				
EXISTING LEVEL	4.626	4.620	4.603	4.595	4.596	4.597	4.606				
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000				

CH 80.000

DATUM RL.2.0

DESIGN LEVEL	4.524	4.503	4.453	4.408	4.278	4.298	4.388				
EXISTING LEVEL	4.594	4.587	4.568	4.553	4.550	4.548	4.545				
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000				

CH 70.000



DATUM RL.2.0

DESIGN LEVEL	4.566	4.545	4.495	4.450	4.320	4.340	4.430	4.340	4.320	4.450	4.495	4.545	4.566
EXISTING LEVEL	4.554	4.549	4.535	4.524	4.521	4.520	4.500	4.510	4.510	4.511	4.515	4.521	4.523
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 60.000

ROAD MC06 CROSS SECTIONS
SCALE 1:1000

0 2.5 5 7.5 10 12.5m
SCALE 1:125 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
S4
SUITABLE FOR STAGE APPROVAL

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Coordinate System
MGA/YY-Zone
Datum
mAHD

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Client/Project Logo
NEW PORT ESTATE
PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/XX
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
ROADWORKS CROSS SECTIONS
SHEET 5 OF 13

Project No.
304701584

Scale at A1

Drawing No.
304701584-STN-02-200-DR-CI-1134

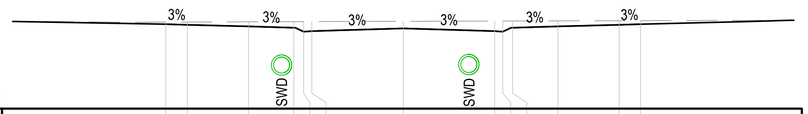
Revision
C05

\\AU203-PPFSS01.stantec.pri\projects\304701584\ACTC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1131to1134-ROAD-SECT.dwg
Plotted: Stacey, Rona Date: 24-Feb-26 3:57:04 PM
ORIGINAL SHEET - ISO A1

NOTE:
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304701584-STN-02-200-DR-CI-001003 TO 001005, GENERAL NOTES AND DETAILS.
2. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304701584-STN-02-200-DR-CI-001201 TO 001203.

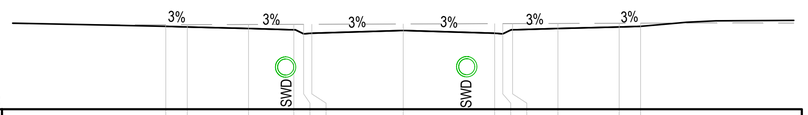
DATUM RL.2.0													
DESIGN LEVEL	4.806	4.785	4.735	4.690	4.560	4.580	4.670	4.580	4.560	4.690	4.735	4.785	4.806
EXISTING LEVEL	4.875	4.877	4.882	4.886	4.887	4.888	4.896	4.904	4.905	4.906	4.910	4.915	4.917
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 130.000



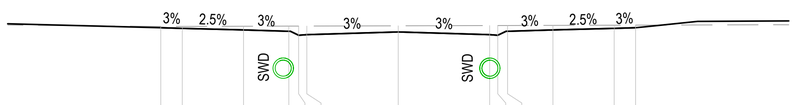
DATUM RL.2.0													
DESIGN LEVEL	4.756	4.735	4.685	4.640	4.510	4.530	4.620	4.530	4.510	4.640	4.685	4.735	4.756
EXISTING LEVEL	4.824	4.827	4.834	4.839	4.841	4.842	4.850	4.858	4.859	4.860	4.864	4.870	4.872
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 120.000



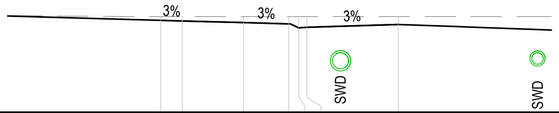
DATUM RL.2.0													
DESIGN LEVEL	4.706	4.685	4.635	4.590	4.460	4.480	4.570	4.480	4.460	4.590	4.635	4.685	4.706
EXISTING LEVEL	4.757	4.760	4.766	4.771	4.772	4.773	4.783	4.793	4.794	4.795	4.800	4.806	4.809
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 110.000



DATUM RL.2.0													
DESIGN LEVEL	4.656	4.635	4.585	4.540	4.410	4.430	4.520	4.430	4.410	4.540	4.585	4.635	4.656
EXISTING LEVEL	4.698	4.699	4.705	4.709	4.710	4.711	4.719	4.728	4.728	4.729	4.734	4.739	4.741
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 100.000

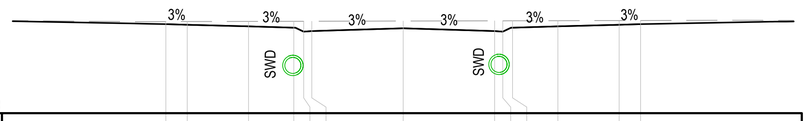


DATUM RL.2.0													
DESIGN LEVEL	5.006	4.985	4.935	4.890	4.760	4.780	4.870						
EXISTING LEVEL	5.129	5.129	5.129	5.129	5.129	5.129	5.129						
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000						

CH 170.000

DATUM RL.2.0													
DESIGN LEVEL	4.956	4.935	4.885	4.840	4.710	4.730	4.820						
EXISTING LEVEL	5.050	5.051	5.055	5.058	5.058	5.059	5.065						
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000						

CH 160.000



DATUM RL.2.0													
DESIGN LEVEL	4.906	4.885	4.835	4.790	4.660	4.680	4.770	4.680	4.660	4.790	4.835	4.885	4.906
EXISTING LEVEL	4.989	4.991	4.995	4.999	5.000	5.000	5.008	5.015	5.015	5.016	5.019	5.023	5.025
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 150.000

DATUM RL.2.0													
DESIGN LEVEL	4.856	4.835	4.785	4.740	4.610	4.630	4.720	4.630	4.610	4.740	4.785	4.835	4.856
EXISTING LEVEL	4.932	4.934	4.939	4.943	4.943	4.944	4.952	4.959	4.960	4.961	4.964	4.969	4.971
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 140.000

ROAD MC06 CROSS SECTIONS
SCALE 1:1000

0 2.5 5 7.5 10 12.5m
SCALE 1:125 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
S4
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Coordinate System
MGA/YY-Zone
Datum
mAHD

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Client/Project Logo
NEW PORT ESTATE
PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/XX
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
ROADWORKS CROSS SECTIONS SHEET 6 OF 13

Project No.
304701584

Scale at A1

Drawing No.
304701584-STN-02-200-DR-CI-1135

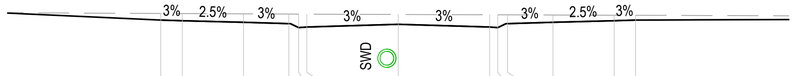
Revision
C05

\\AU003-FPS001\shared_projects\304701584\ACC project files\02_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1135-116.ROADSECT.dwg
Plotted: Jacqui Kong, Date: 24-Feb-26 3:57:29 PM

ORIGINAL SHEET - ISO A1

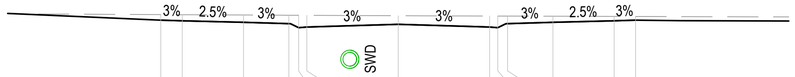
NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304701584-STN-02-200-DR-CI-001003 TO 001005, GENERAL NOTES AND DETAILS.
2. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304701584-STN-02-200-DR-CI-001201 TO 001203.



DATUM RL.3.0														
DESIGN LEVEL	5.206	5.185	5.135	5.090	4.960	4.980	5.070	4.980	4.960	5.090	5.135	5.185	5.206
EXISTING LEVEL	5.423	5.419	5.410	5.404	5.402	5.401	5.389	5.379	5.378	5.377	5.372	5.366	5.364
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 210.000

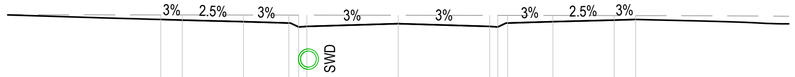


DATUM RL.3.0														
DESIGN LEVEL	5.156	5.135	5.085	5.040	4.910	4.930	5.020	4.930	4.910	5.040	5.085	5.135	5.156
EXISTING LEVEL	5.338	5.334	5.324	5.317	5.316	5.314	5.300	5.290	5.289	5.289	5.284	5.278	5.276
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 200.000

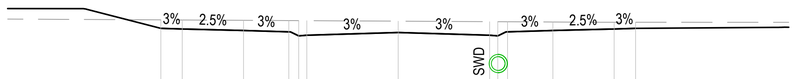
DATUM RL.2.0														
DESIGN LEVEL	5.106	5.085	5.035	4.990	4.860	4.880	4.970	4.880	4.860	4.990	5.035	5.085	5.106
EXISTING LEVEL	5.276	5.274	5.268	5.263	5.262	5.261	5.252	5.243	5.243	5.242	5.240	5.234	5.231
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 190.000



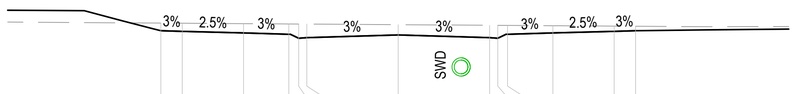
DATUM RL.2.0														
DESIGN LEVEL	5.056	5.035	4.985	4.940	4.810	4.830	4.920	4.830	4.810	4.940	4.985	5.035	5.056
EXISTING LEVEL	5.205	5.204	5.201	5.199	5.199	5.198	5.194	5.190	5.190	5.189	5.187	5.185	5.183
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 180.000



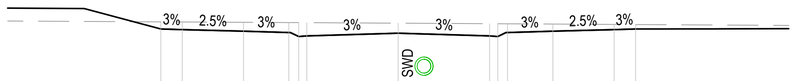
DATUM RL.3.0														
DESIGN LEVEL	5.356	5.335	5.285	5.240	5.110	5.130	5.220	5.130	5.110	5.240	5.285	5.335	5.356
EXISTING LEVEL	5.632	5.628	5.617	5.609	5.608	5.606	5.590	5.574	5.572	5.571	5.563	5.554	5.554
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 240.000



DATUM RL.3.0														
DESIGN LEVEL	5.306	5.285	5.235	5.190	5.060	5.080	5.170	5.080	5.060	5.190	5.235	5.285	5.306
EXISTING LEVEL	5.556	5.551	5.538	5.528	5.526	5.524	5.504	5.484	5.483	5.481	5.471	5.458	5.453
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 230.000



DATUM RL.3.0														
DESIGN LEVEL	5.256	5.235	5.185	5.140	5.010	5.030	5.120	5.030	5.010	5.140	5.185	5.235	5.256
EXISTING LEVEL	5.489	5.485	5.476	5.467	5.465	5.464	5.446	5.429	5.428	5.426	5.417	5.406	5.402
OFFSET	-7.750	-7.050	-5.050	-3.570	-3.250	-2.985	0.000	2.985	3.250	3.570	5.050	7.050	7.750

CH 220.000

ROAD MC06 CROSS SECTIONS

SCALE 1:1000

0 2.5 5 7.5 10 12.5m

SCALE 1:125 @A1

Issued/Revision	By	Appd	YYYY.MM.DD
C05 REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04 OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03 ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02 PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07

Issue Status

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Coordinate System
MGA/YY-Zone
Datum
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PORT DOUGLAS

Client/Project

PORT DOUGLAS LAND DEV PTY LTD

NEW PORT ESTATE
STAGE 2 - CIVIL WORKS

CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/XX
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title

ROADWORKS CROSS SECTIONS
SHEET 7 OF 13

Project No. 304701584

Scale at A1

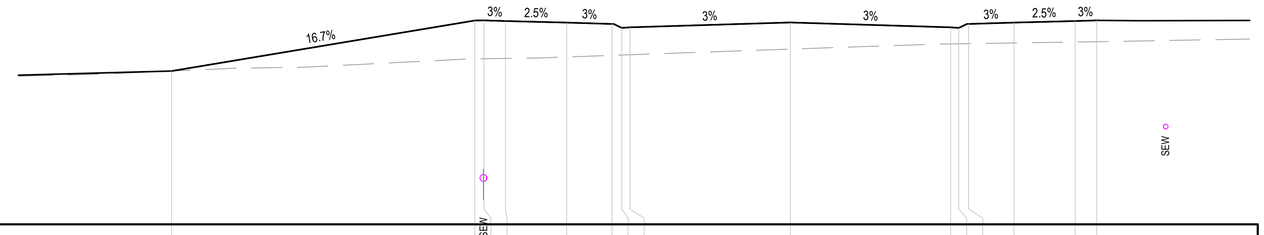
Drawing No. 304701584-STN-02-200-DR-CI-1136

Revision C05

\\AU2031-PPFSS01\shared_projects\304701584\ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1136.RO4D-SECT.dwg
Plotted: 26/02/2026 Plotted By: Rivas, Dorie
ORIGINAL SHEET - ISO A1

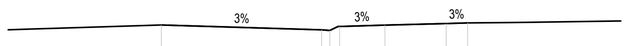
NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304701584-STN-02-200-DR-CI-001003 TO 001005, GENERAL NOTES AND DETAILS.
2. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304701584-STN-02-200-DR-CI-001201 TO 001203.



| | | |

NOTE:
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304701584-STN-02-200-DR-CI-001003 TO 001005, GENERAL NOTES AND DETAILS.
2. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304701584-STN-02-200-DR-CI-001201 TO 001203.



DATUM RL.2.0												
DESIGN LEVEL	4.740		4.583	4.563	4.693	4.738		4.788	4.809			
EXISTING LEVEL	3.556		3.702	3.709	3.718	3.759		3.815	3.834			
OFFSET	0.000		5.235	5.500	5.820	7.300		9.300	10.000			

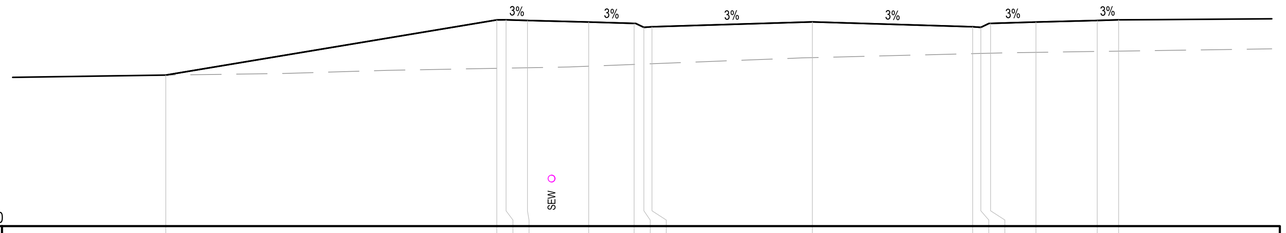
CH 260.000

DATUM RL.2.0												
DESIGN LEVEL	4.741		4.584	4.564	4.694	4.739		4.789	4.810			
EXISTING LEVEL	3.476		3.621	3.628	3.637	3.678		3.734	3.754			
OFFSET	0.000		5.235	5.500	5.820	7.300		9.300	10.000			

CH 250.000

DATUM RL.2.0												
DESIGN LEVEL	4.716		4.559	4.539	4.669	4.714		4.764	4.785			
EXISTING LEVEL	3.397		3.565	3.574	3.585	3.634		3.672	3.685			
OFFSET	0.000		5.235	5.500	5.820	7.300		9.300	10.000			

CH 240.000



DATUM RL.-2.0														
DESIGN LEVEL	2.929		4.730	4.733	4.712	4.662	4.618	4.488	4.508	4.665	4.508	4.488	4.662	4.712	4.733
EXISTING LEVEL	2.929		3.151	3.156	3.169	3.220	3.277	3.290	3.300	3.500	3.630	3.636	3.672	3.701	3.712
OFFSET	-21.107		-10.300	-10.000	-9.300	-7.300	-5.820	-5.500	-5.235	0.000	5.235	5.500	7.300	9.300	10.000

CH 230.000

WABUL STREET CROSS SECTIONS
SCALE 1:1000

0 2.5 5 7.5 10 12.5m
SCALE 1:125 @A1

C01	OPERATIONAL WORKS APPROVAL	JD	JD	2026/02/24
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
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MGA/YY-Zone
Datum
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PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/XX
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

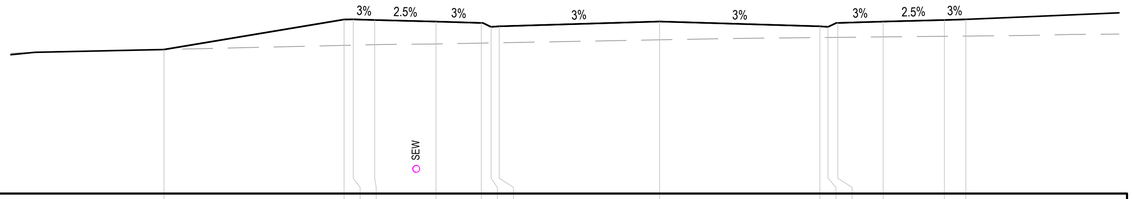
Title
ROADWORKS CROSS SECTIONS
SHEET 9 OF 13

Project No. 304701584
Scale at A1
Drawing No. 304701584-STN-02-200-DR-CI-1138
Revision C01

\\AU203-PPFS01\shared_projects\304701584\ACC project files\01_WIP_CV-200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1138.RDAS-SECT.dwg
Plotted: Siocour Riona Date: 24-Feb-26 3:58:23 PM
ORIGINAL SHEET - ISO A1

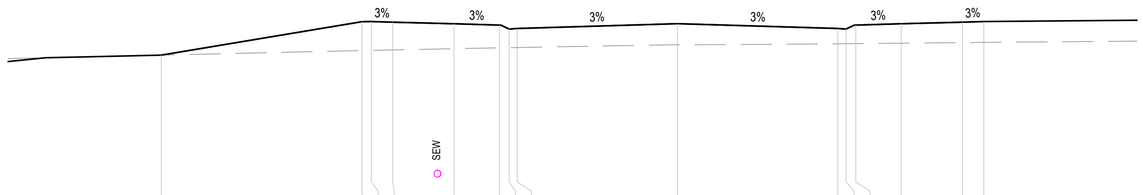
NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304701584-STN-02-200-DR-CI-001003 TO 001005, GENERAL NOTES AND DETAILS.
2. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304701584-STN-02-200-DR-CI-001201 TO 001203.



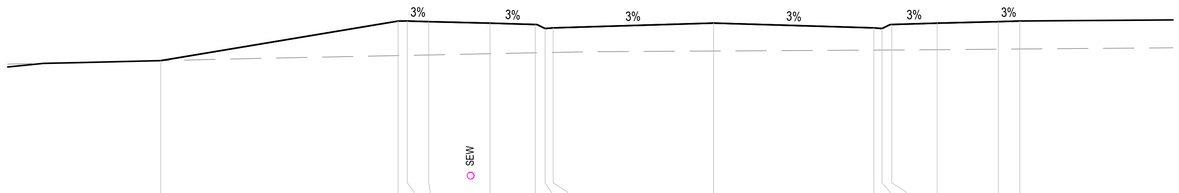
DATUM RL.-1.0														
DESIGN LEVEL	3.701	4.680	4.683	4.662	4.612	4.568	4.438	4.458	4.615	4.458	4.438	4.568	4.612	4.662	4.683
EXISTING LEVEL	3.701	3.836	3.843	3.859	3.882	3.909	3.915	3.920	4.017	4.091	4.094	4.097	4.112	4.132	4.139
OFFSET	-16.179	-10.300	-10.000	-9.300	-7.300	-5.820	-5.500	-5.235	0.000	5.235	5.500	5.820	7.300	9.300	10.000

CH 290.000



DATUM RL.-1.0														
DESIGN LEVEL	3.638	4.730	4.733	4.712	4.662	4.618	4.488	4.508	4.665	4.508	4.488	4.618	4.662	4.712	4.733
EXISTING LEVEL	3.638	3.787	3.793	3.807	3.848	3.876	3.882	3.886	3.974	4.008	4.011	4.014	4.028	4.047	4.053
OFFSET	-16.857	-10.300	-10.000	-9.300	-7.300	-5.820	-5.500	-5.235	0.000	5.235	5.500	5.820	7.300	9.300	10.000

CH 280.000



DATUM RL.-1.0														
DESIGN LEVEL	3.488	4.779	4.782	4.761	4.711	4.666	4.536	4.556	4.713	4.556	4.536	4.666	4.711	4.761	4.782
EXISTING LEVEL	3.488	3.653	3.659	3.673	3.713	3.743	3.749	3.755	3.801	3.831	3.832	3.834	3.845	3.861	3.867
OFFSET	-18.045	-10.300	-10.000	-9.300	-7.300	-5.820	-5.500	-5.235	0.000	5.235	5.500	5.820	7.300	9.300	10.000

CH 270.000

WABUL STREET CROSS SECTIONS

SCALE 1:1000

0 2.5 5 7.5 10 12.5m

SCALE 1:125 @A1

C01	OPERATIONAL WORKS APPROVAL	JD	JD	2026/02/24
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status

S4
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MGA/YY-Zone
Datum
mAHD

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Client/Project Logo

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PORT DOUGLAS

Client/Project

PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS

CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/XX
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title

ROADWORKS CROSS SECTIONS
SHEET 10 OF 13

Project No. 304701584

Scale at A1

Drawing No. 304701584-STN-02-200-DR-CI-1139

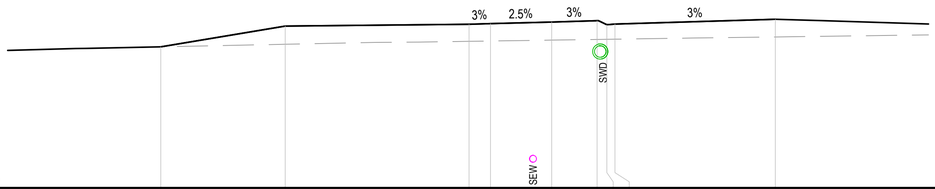
Revision C01

\\AU003-FPFS01\Unhard_projects\304701584\ACC project files\01_WIP_CV\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1139-116.ROAD.SECT_.dwg
Plotted: Dzocova Riana, Date: 24 Feb 26 3:26:44 PM

ORIGINAL SHEET - ISO A1

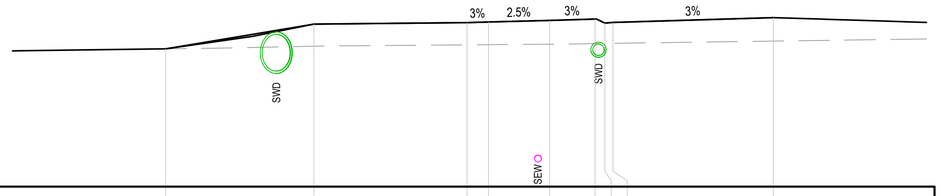
NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304701584-STN-02-200-DR-CI-001003 TO 001005, GENERAL NOTES AND DETAILS.
2. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304701584-STN-02-200-DR-CI-001201 TO 001203.



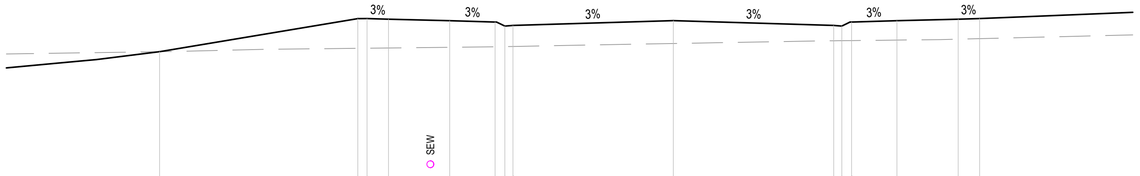
DATUM RL.-1.0													
DESIGN LEVEL	3.606	4.282	4.342	4.363	4.413	4.458	4.328	4.348	4.505				
EXISTING LEVEL	3.606	3.689	3.785	3.795	3.825	3.846	3.851	3.855	3.928				
OFFSET	-20.061	-16.000	-10.000	-9.300	-7.300	-5.820	-5.500	-5.235	0.000				

CH 320.000



DATUM RL.-1.0													
DESIGN LEVEL	3.497	4.303	4.353	4.374	4.424	4.468	4.338	4.358	4.515				
EXISTING LEVEL	3.497	3.583	3.626	3.631	3.647	3.666	3.671	3.676	3.750				
OFFSET	-19.837	-15.000	-10.000	-9.300	-7.300	-5.820	-5.500	-5.235	0.000				

CH 310.000



DATUM RL.-1.0													
DESIGN LEVEL	3.551	4.630	4.633	4.612	4.562	4.518	4.388	4.408	4.565	4.408	4.388	4.518	4.562	4.612	4.633
EXISTING LEVEL	3.551	3.661	3.665	3.672	3.694	3.710	3.716	3.721	3.818	3.907	3.910	3.914	3.930	3.960	3.977
OFFSET	-16.774	-10.300	-10.000	-9.300	-7.300	-5.820	-5.500	-5.235	0.000	5.235	5.500	5.820	7.300	9.300	10.000

CH 300.000

WABUL STREET CROSS SECTIONS

SCALE 1:1000

0 2.5 5 7.5 10 12.5m

SCALE 1:125 @A1

C01	OPERATIONAL WORKS APPROVAL	JD	JD	2026/02/24
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status

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NEW PORT ESTATE
PORT DOUGLAS

Client/Project

PORT DOUGLAS LAND DEV PTY LTD

NEW PORT ESTATE
STAGE 2 - CIVIL WORKS

CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/XX
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title

ROADWORKS CROSS SECTIONS
SHEET 11 OF 13

Project No.
304701584

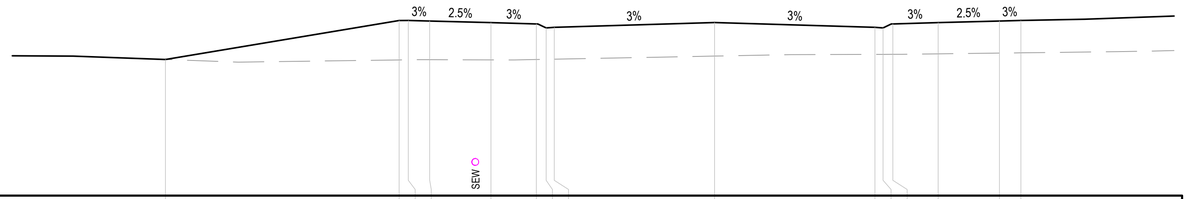
Scale at A1

Drawing No.
304701584-STN-02-200-DR-CI-1140

Revision
C01

\\AU203-PPFS01\shared_projects\304701584\ACTIVE project files\01_WIP_CV\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1139 to 1144_ROAD-SECT.dwg
Plotted: Siocour, Riona Date: 24-Feb-26 3:57:58 PM
ORIGINAL SHEET - ISO A1

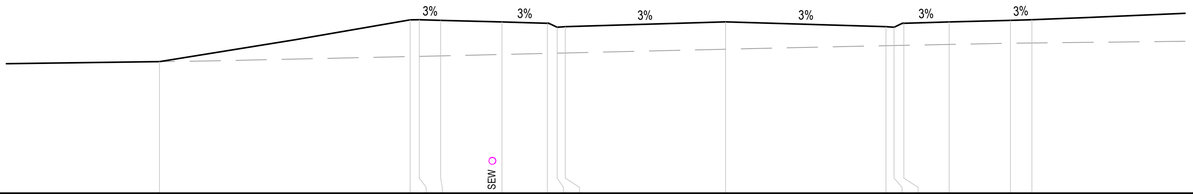
NOTE:
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304701584-STN-02-200-DR-CI-001003 TO 001005, GENERAL NOTES AND DETAILS.
2. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304701584-STN-02-200-DR-CI-001201 TO 001203.



DATUM RL.-1.0

DESIGN LEVEL	3.444	4.715	4.718	4.697	4.647	4.602	4.472	4.492	4.649	4.492	4.472	4.602	4.647	4.697	4.718
EXISTING LEVEL	3.444	3.428	3.432	3.435	3.430	3.442	3.448	3.453	3.554	3.610	3.610	3.611	3.627	3.651	3.660
OFFSET	-17.928	-10.300	-10.000	-9.300	-7.300	-5.820	-5.500	-5.235	0.000	5.235	5.500	5.820	7.300	9.300	10.000

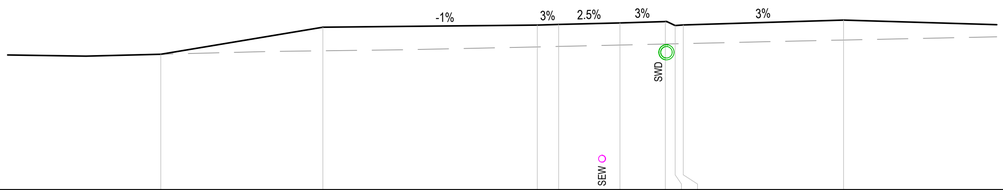
CH 350.000



DATUM RL.-1.0

DESIGN LEVEL	3.301	4.665	4.668	4.647	4.597	4.552	4.422	4.442	4.599	4.442	4.422	4.552	4.597	4.647	4.668
EXISTING LEVEL	3.301	3.466	3.473	3.488	3.535	3.569	3.577	3.583	3.706	3.821	3.827	3.833	3.862	3.902	3.909
OFFSET	-18.480	-10.300	-10.000	-9.300	-7.300	-5.820	-5.500	-5.235	0.000	5.235	5.500	5.820	7.300	9.300	10.000

CH 340.000



DATUM RL.-1.0

DESIGN LEVEL	3.435	4.317	4.387	4.408	4.458	4.502	4.372	4.392	4.549
EXISTING LEVEL	3.435	3.548	3.674	3.690	3.735	3.769	3.776	3.782	3.899
OFFSET	-22.290	-17.000	-10.000	-9.300	-7.300	-5.820	-5.500	-5.235	0.000

CH 330.000

WABUL STREET CROSS SECTIONS
SCALE 1:1000

0 2.5 5 7.5 10 12.5m
SCALE 1:125 @A1

C01	OPERATIONAL WORKS APPROVAL	JD	JD	2026/02/24
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
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PORT DOUGLAS

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PORT DOUGLAS LAND DEV PTY LTD
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STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/XX
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

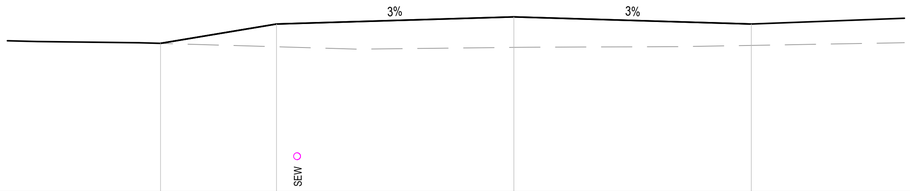
Title
ROADWORKS CROSS SECTIONS
SHEET 12 OF 13

Project No. 304701584
Scale at A1
Drawing No. 304701584-STN-02-200-DR-CI-1140
Revision C01

\\AUS033-PPFS01\shared_projects\304701584\ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1130-1134 ROAD SECT.dwg
Plotted: Bocoux, Rona Date: 24-Feb-26 4:00:52 PM
ORIGINAL SHEET - ISO A1

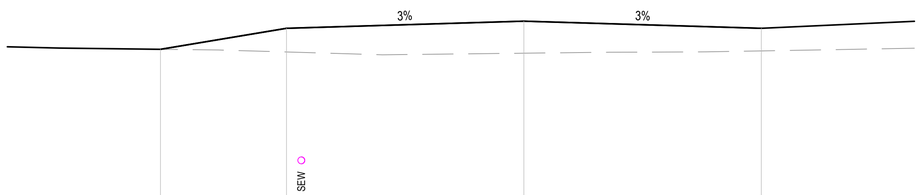
NOTE:

1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH DRAWINGS 304701584-STN-02-200-DR-CI-001003 TO 001005, GENERAL NOTES AND DETAILS.
2. FOR SETOUT INFORMATION AND DETAILS REFER TO INTERSECTION PLANS 304701584-STN-02-200-DR-CI-001201 TO 001203.



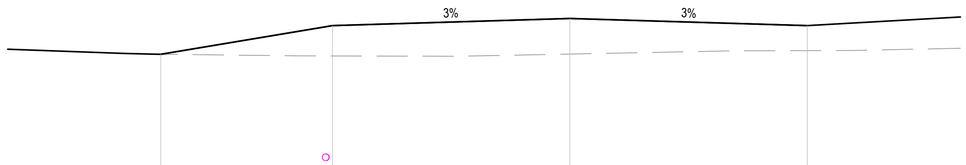
DATUM RL.-1.0				
DESIGN LEVEL	3.899	4.530	4.763	4.530
EXISTING LEVEL	3.899	3.788	3.768	3.833
OFFSET	-11.536	-7.750	0.000	7.750

CH 372.656



DATUM RL.-1.0				
DESIGN LEVEL	3.831	4.517	4.749	4.517
EXISTING LEVEL	3.831	3.744	3.704	3.779
OFFSET	-11.863	-7.750	0.000	7.750

CH 370.000



DATUM RL.-1.0				
DESIGN LEVEL	3.533	4.467	4.699	4.467
EXISTING LEVEL	3.533	3.478	3.539	3.651
OFFSET	-13.354	-7.750	0.000	7.750

CH 360.000

WABUL STREET CROSS SECTIONS

SCALE 1:1000

0 2.5 5 7.5 10 12.5m

SCALE 1:125 @A1

C01	OPERATIONAL WORKS APPROVAL	JD	JD	2026/02/24
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status

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NEW PORT ESTATE
PORT DOUGLAS

Client/Project

PORT DOUGLAS LAND DEV PTY LTD

NEW PORT ESTATE
STAGE 2 - CIVIL WORKS

CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/XX
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title

ROADWORKS CROSS SECTIONS
SHEET 13 OF 13

Project No.
304701584

Scale at A1

Drawing No.
304701584-STN-02-200-DR-CI-1140

Revision
C01

\\AU001-FPS001\shared_projects\304701584\ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1139-1156 ROAD-SECT.dwg
Plotted: Zaccour, Fiona Date: 24-Feb-26 4:01:36 PM

ORIGINAL SHEET - ISO A1

LEGEND

- EXTENT OF WORKS
- PROPOSED LOT BOUNDARY
- PROPOSED CONTROL LINE
- LKC — PROPOSED LAYBACK KERB AND CHANNEL
- KERB RAMP
- INDICATIVE DRIVEWAY LOCATION
- PROPOSED STORMWATER PIT
- PROPOSED PATHWAY AS PER FNQROC S1035

EXISTING STAGE 1

PARTIAL DEMOLITION OF EXISTING PAVEMENT. NEW PAVEMENT TO TIE NEATLY INTO EXISTING PAVEMENT. REFER DRAWING 1110 FOR PAVEMENT JOINT DETAILS.

TYPE 1 COMMERCIAL AND INDUSTRIAL CONCRETE DRIVEWAY TO FNQROC S1110

STAGE 2

FUTURE STAGE

50mm ASPHALT THICKNESS, REFER NOTE 2 AND 3.

PROPOSED ROAD RESERVE

:R STRUCTURAL BUND CROSSING

GREENBRIAR AVENUE

FRAIRBIRD WAY

PITHOSCHNK

CAPTAIN COOK HIGHWAY

ROAD 02

ROAD 04

ROAD 03

ROAD 06

ROAD 11

WABUL STREET

CH 14.648

CH 15.922

CH 16.351

CH 14.553

CH 14.842

205 204 203 202 201 206 211 207 210 208 209 212 218 213 217 214 215 216 219 227 226 220 225 221 224 222 223 238 237 239 236 235 234 233 232 231 230 229 228

FUTURE STAGE

REFER TO DWG. 1101 TO 1102 FOR ROADWORKS PLAN.

PAVEMENT LEGEND

TYPE A
ESA = $5x10^4$

30mm CRC10. REFER NOTE 2 AND 3

150mm BASE (TYPE 2, SUBTYPE 2.1, CBR≥60)

170mm SUBBASE (TYPE 2, SUBTYPE 2.3, CBR≥45)

ASSUMED CBR 3 SUBGRADE

TYPE B
ESA = $1x10^5$

30mm CRC10. REFER NOTE 2 AND 3

150mm BASE (TYPE 2, SUBTYPE 2.1, CBR≥60)

210mm SUBBASE (TYPE 2, SUBTYPE 2.3, CBR≥45)

ASSUMED CBR 3 SUBGRADE

TYPE C
ESA = $1x10^6$

50mm AC14

150mm BASE (TYPE 2, SUBTYPE 2.1, CBR≥60)

150mm SUBBASE (TYPE 2, SUBTYPE 2.3, CBR≥45)

190mm SUBBASE (TYPE 2, SUBTYPE 2.5, CBR≥15)

ASSUMED CBR 3 SUBGRADE

TYPE D
ESA = $1x10^6$

30mm CRC10

150mm BASE (TYPE 2, SUBTYPE 2.1, CBR≥60)

NOTE

1. DRIVEWAY LOCATIONS SUBJECT TO INDIVIDUAL BUILDING APPROVALS.
2. AC THICKNESS TO BE INCREASED TO 50mm AT CUL-DE-SACS, INTERSECTIONS AND ROUNDABOUTS IN ACCORDANCE WITH FNQROC DEVELOPMENT MANUAL - DESIGN MANUAL D3 ROAD PAVEMENTS.
3. WHERE AC THICKNESS IS INCREASED TO 50mm, 20mm SHALL BE REMOVED FROM BASE COURSE THICKNESS TO MAINTAIN CONSTANT PAVEMENT THICKNESS AND SURFACE LEVEL.

0 10 20 30 40 50m

SCALE 1:500 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	BW	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

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PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

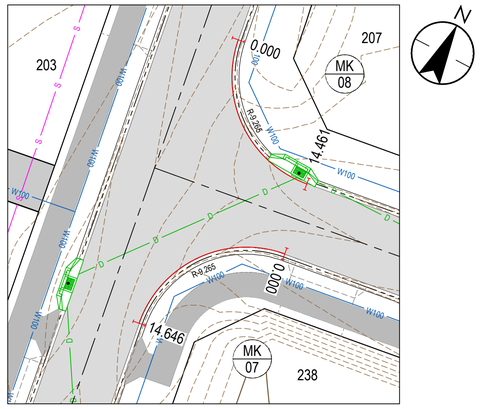
FMZ	LN	MB	BW	2025.06.17
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
PAVEMENT PLAN

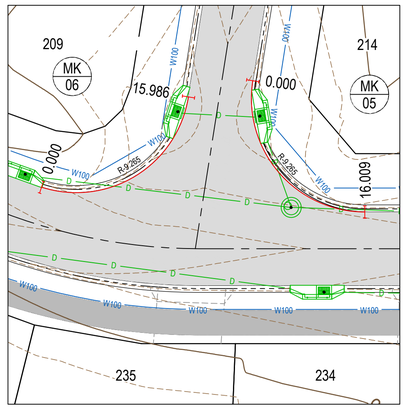
Project No. 304701584
Scale at A1 1:500
Drawing No. 304701584-STN-02-200-DR-CI-1150
Revision C05

\\AUS031-FPS001\shared_projects\304701584-ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1150 ROAD PAVT.dwg
Plotted: bacosur, Fiona, Date: 24-Feb-26 4:20:07 PM

ORIGINAL SHEET - ISO A1



KERB RETURN MK07 AND MK08
SCALE 1:250



KERB RETURN MK05 AND MK06
SCALE 1:250

KERB RETURN MK08 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	336956.898	8170360.755	5.471	83°46'02.80"	ARC	-9.265	14.461
E	14.461	336967.104	8170352.642	5.142	83°46'02.80"			

KERB RETURN MK07 HORIZONTAL POINTS

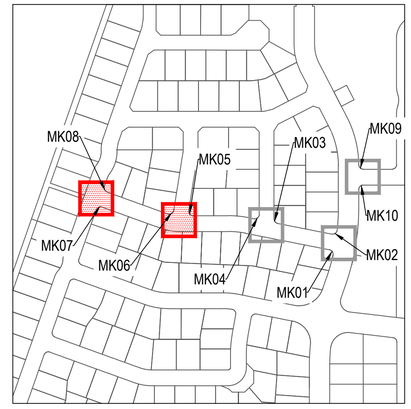
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	336967.995	8170346.734	5.140	173°11'41.44"	ARC	-9.265	14.646
E	14.646	336959.801	8170336.426	5.362	173°11'41.44"			

KERB RETURN MK06 HORIZONTAL POINTS

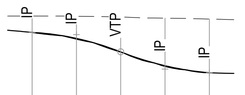
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	337029.829	8170359.518	4.824	342°54'58.27"	ARC	-9.265	15.986
E	15.986	337037.360	8170371.409	4.567	342°54'58.27"			

KERB RETURN MK05 HORIZONTAL POINTS

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	337041.486	8170374.900	4.591	63°54'51.78"	ARC	-9.265	16.009
E	16.009	337054.417	8170369.301	4.686	63°54'51.78"			

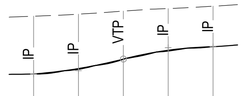


KEYPLAN
SCALE 1:3000



VERT. CURVE LENGTH (m)		VC 7.2		VC 7.2	
VERT. CURVE RADIUS (m)		R 213		R 235	
VERT. GEOMETRY GRADE (%)		-0.5%	-3.9%	-0.8%	
VERT. GEOMETRY LENGTH (m)		3.615	7.230	3.615	
DATUM RL 3.0					
HORZ. CURVE LENGTH (m)		14.461			
HORZ. CURVE RADIUS (m)		R -9.3			
DESIGN LEVELS (ALONG KERB LIP)	5.471	5.422	5.312	5.199	5.142
CONTROL LINE CHAINAGE (ALONG KERB LIP)	0.000	3.615	7.230	10.846	14.461

ROAD MK 02-06 LONGITUDINAL SECTION
SCALE: H 1:250
V 1:25

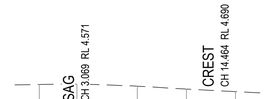


VERT. CURVE LENGTH (m)		VC 7.3		VC 7.3	
VERT. CURVE RADIUS (m)		R 407		R 312	
VERT. GEOMETRY GRADE (%)		0.8%	2.6%	0.2%	
VERT. GEOMETRY LENGTH (m)		3.662	7.323	3.662	
DATUM RL 3.0					
HORZ. CURVE LENGTH (m)		14.646			
HORZ. CURVE RADIUS (m)		R -9.3			
DESIGN LEVELS (ALONG KERB LIP)	5.140	5.184	5.261	5.333	5.362
CONTROL LINE CHAINAGE (ALONG KERB LIP)	0.000	3.662	7.323	10.985	14.646

ROAD MK 06-02 LONGITUDINAL SECTION
SCALE: H 1:250
V 1:25

VERT. CURVE LENGTH (m)		VC 8		VC 8		
VERT. CURVE RADIUS (m)		R 283		R 198		
VERT. GEOMETRY GRADE (%)		-0.5%	-3.3%	0.7%		
VERT. GEOMETRY LENGTH (m)		3.997	7.993	3.997		
DATUM RL 3.0						
HORZ. CURVE LENGTH (m)		15.986				
HORZ. CURVE RADIUS (m)		R -9.3				
DESIGN LEVELS (ALONG KERB LIP)	4.824	4.776	4.671	4.579	4.562	4.567
CONTROL LINE CHAINAGE (ALONG KERB LIP)	0.000	3.997	7.993	11.990	14.563	15.986

ROAD MK 06-04 LONGITUDINAL SECTION
SCALE: H 1:250
V 1:25



VERT. CURVE LENGTH (m)		VC 8		VC 8		
VERT. CURVE RADIUS (m)		R 236		R 309		
VERT. GEOMETRY GRADE (%)		-1.3%	2.1%	-0.5%		
VERT. GEOMETRY LENGTH (m)		4.002	8.005	4.002		
DATUM RL 3.0						
HORZ. CURVE LENGTH (m)		16.009				
HORZ. CURVE RADIUS (m)		R -9.3				
DESIGN LEVELS (ALONG KERB LIP)	4.591	4.571	4.623	4.680	4.686	
CONTROL LINE CHAINAGE (ALONG KERB LIP)	0.000	3.069	4.002	8.005	12.007	16.009

ROAD MK 04-06 LONGITUDINAL SECTION
SCALE: H 1:250
V 1:25

NOTE

1. DRIVEWAY LOCATIONS SUBJECT TO INDIVIDUAL BUILDING APPROVALS.

LEGEND

- EXISTING CONTOURS (1.0m INTERVAL)
- PROPOSED LOT BOUNDARY
- PROPOSED ROAD CENTRELINE
- PROPOSED LAYBACK KERB AND TRAY
- KERB RAMP
- PROPOSED PATHWAY
- PROPOSED ROAD PAVEMENT
- INDICATIVE DRIVEWAY LOCATION

H: 0 5 10 15 20 25m
V: 0 0.5 1 1.5 2 2.5m
SCALE: H:1:250 V:1:25 @A1

Issued/Revision	By	Appd	YYYY.MM.DD
C05 REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04 OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03 ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02 PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07

Issue Status
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PORT DOUGLAS

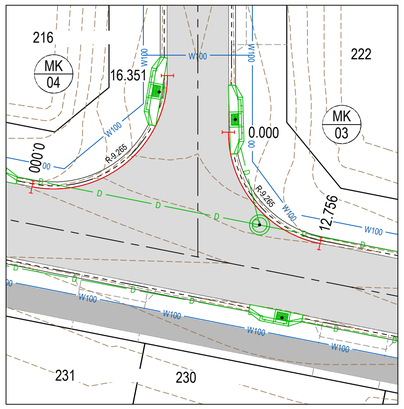
Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

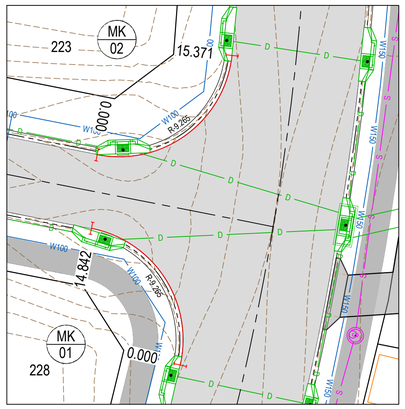
Title
INTERSECTION AND SETOUT DETAILS SHEET 1 OF 3

Project No. 304701584
Scale at A1
Drawing No. 304701584-STN-02-200-DR-CI-1201
Revision C05

\\AU001-FPFS01\shared_projects\304701584\ACC project files\01_WIP_CI_200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1201-INTERSECTION DETL.dwg
Plotted: Zaccour, Ilona 24 Feb 24 4:52:50 PM
ORIGINAL SHEET - ISO A1



ROAD 06 AND ROAD 03 INTERSECTION
SCALE 1:250



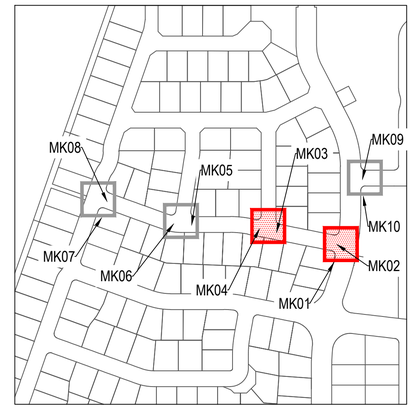
ROAD 06 AND 01 WABUL ST INTERSECTION
SCALE 1:250

KERB RETURN MK04 HORIZONTAL POINTS								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	337108.201	8170392.459	4.396	333°54'41.55"	ARC	-9.265	16.351
E	16.351	337114.129	8170405.484	4.117	333°54'41.55"			

KERB RETURN MK03 HORIZONTAL POINTS								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	337120.623	8170403.522	4.108	75°01'46.95"	ARC	-9.265	12.756
E	12.756	337131.337	8170398.646	4.276	75°01'46.95"			

KERB RETURN MK02 HORIZONTAL POINTS								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	337183.397	8170412.566	4.028	339°58'34.33"	ARC	-9.265	15.371
E	15.371	337189.709	8170424.689	4.388	339°58'34.33"			

KERB RETURN MK01 HORIZONTAL POINTS								
PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	337197.029	8170400.143	4.394	255°01'46.95"	ARC	-9.265	14.842
E	14.842	337185.615	8170406.980	4.034	255°01'46.95"			



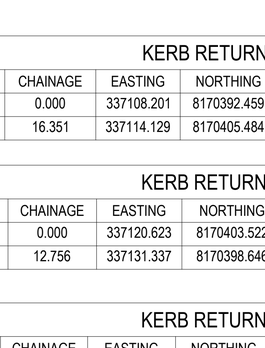
KEYPLAN
SCALE 1:3000

VERT. CURVE LENGTH (m)	VC 8.2		VC 8.2			
VERT. CURVE RADIUS (m)	R 270		R 191			
VERT. GEOMETRY GRADE (%)	-0.5%	-3.5%	0.8%			
VERT. GEOMETRY LENGTH (m)	4.088	8.176	4.088			
DATUM RL 2.0						
HORZ. CURVE LENGTH (m)	16.351					
HORZ. CURVE RADIUS (m)	R -9.3					
DESIGN LEVELS (ALONG KERB LIP)	4.396	4.344	4.231	4.130	4.112	4.117
CONTROL LINE CHAINAGE (ALONG KERB LIP)	0.000	4.088	8.176	12.263	14.920	16.351

KERB RETURN MK04 LONGITUDINAL SECTION
SCALE: H 1:250
V 1:25

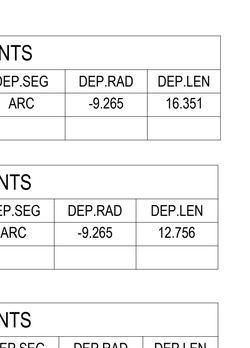
VERT. CURVE LENGTH (m)	VC 6.4		VC 6.4			
VERT. CURVE RADIUS (m)	R 331		R 208			
VERT. GEOMETRY GRADE (%)	0.6%	2.6%	-0.5%			
VERT. GEOMETRY LENGTH (m)	3.189	6.378	3.189			
DATUM RL 2.0						
HORZ. CURVE LENGTH (m)	12.756					
HORZ. CURVE RADIUS (m)	R -9.3					
DESIGN LEVELS (ALONG KERB LIP)	4.108	4.144	4.210	4.268	4.276	
CONTROL LINE CHAINAGE (ALONG KERB LIP)	0.000	3.189	6.378	9.567	12.756	

KERB RETURN MK03 LONGITUDINAL SECTION
SCALE: H 1:250
V 1:25



VERT. CURVE LENGTH (m)	VC 7.7		VC 7.7			
VERT. CURVE RADIUS (m)	R 232		R 216			
VERT. GEOMETRY GRADE (%)	0.7%	4.1%	0.5%			
VERT. GEOMETRY LENGTH (m)	3.843	7.685	3.843			
DATUM RL 2.0						
HORZ. CURVE LENGTH (m)	15.371					
HORZ. CURVE RADIUS (m)	R -9.3					
DESIGN LEVELS (ALONG KERB LIP)	4.028	4.089	4.213	4.334	4.388	
CONTROL LINE CHAINAGE (ALONG KERB LIP)	0.000	3.843	7.685	11.528	15.371	

KERB RETURN ROAD MK06 LONGITUDINAL SECTION
SCALE: H 1:250
V 1:25



VERT. CURVE LENGTH (m)	VC 7.4		VC 7.4			
VERT. CURVE RADIUS (m)	R 206		R 238			
VERT. GEOMETRY GRADE (%)	-0.5%	-4.1%	-1.0%			
VERT. GEOMETRY LENGTH (m)	3.710	7.421	3.710			
DATUM RL 2.0						
HORZ. CURVE LENGTH (m)	14.842					
HORZ. CURVE RADIUS (m)	R -9.3					
DESIGN LEVELS (ALONG KERB LIP)	4.394	4.342	4.223	4.100	4.034	
CONTROL LINE CHAINAGE (ALONG KERB LIP)	0.000	3.710	7.421	11.131	14.842	

KERB RETURN MK01 LONGITUDINAL SECTION
SCALE: H 1:250
V 1:25

NOTE

1. DRIVEWAY LOCATIONS SUBJECT TO INDIVIDUAL BUILDING APPROVALS.

LEGEND

- EXISTING CONTOURS (1.0m INTERVAL)
- PROPOSED LOT BOUNDARY
- PROPOSED ROAD CENTRELINE
- PROPOSED LAYBACK KERB AND TRAY
- KERB RAMP
- PROPOSED PATHWAY
- PROPOSED ROAD PAVEMENT
- INDICATIVE DRIVEWAY LOCATION

H: 0 5 10 15 20 25m
V: 0 0.5 1 1.5 2 2.5m
SCALE: H:1:250 V:1:25 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

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NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
INTERSECTION AND SETOUT DETAILS SHEET 2 OF 3

Project No. 304701584
Scale at A1
Drawing No. 304701584-STN-02-200-DR-CI-1202
Revision C05

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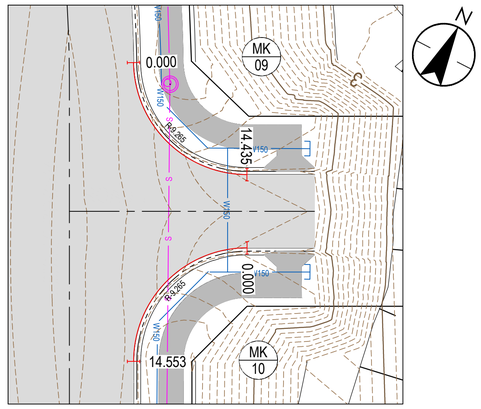
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W150
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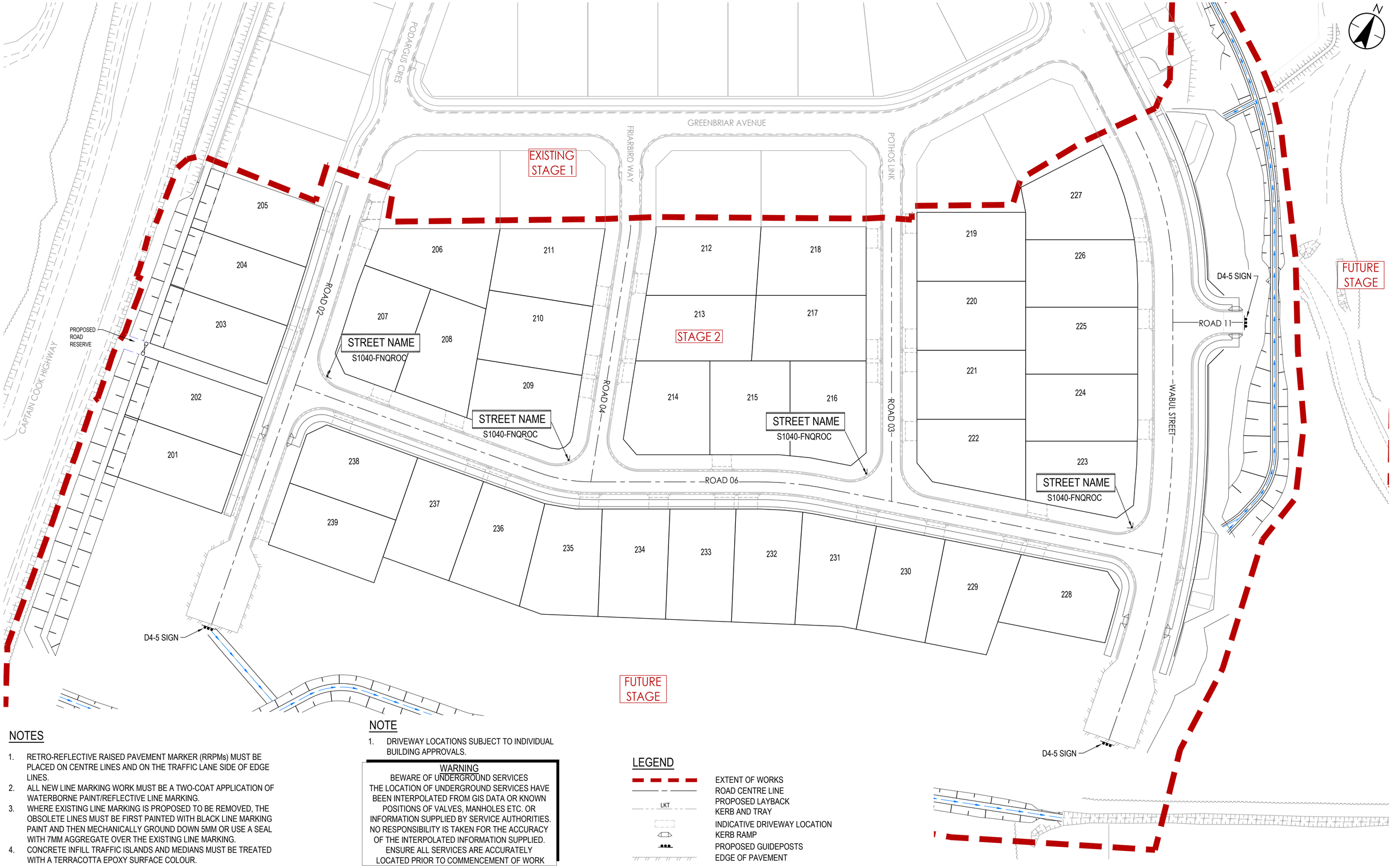

NOTES

1. RETRO-REFLECTIVE RAISED PAVEMENT MARKER (RRPMs) MUST BE PLACED ON CENTRE LINES AND ON THE TRAFFIC LANE SIDE OF EDGE LINES.
2. ALL NEW LINE MARKING WORK MUST BE A TWO-COAT APPLICATION OF WATERBORNE PAINT/REFLECTIVE LINE MARKING.
3. WHERE EXISTING LINE MARKING IS PROPOSED TO BE REMOVED, THE OBSOLETE LINES MUST BE FIRST PAINTED WITH BLACK LINE MARKING PAINT AND THEN MECHANICALLY GROUND DOWN 5MM OR USE A SEAL WITH 7MM AGGREGATE OVER THE EXISTING LINE MARKING.
4. CONCRETE INFILL TRAFFIC ISLANDS AND MEDIANS MUST BE TREATED WITH A TERRACOTTA EPOXY SURFACE COLOUR.

NOTE

1. DRIVEWAY LOCATIONS SUBJECT TO INDIVIDUAL BUILDING APPROVALS.

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

LEGEND

- EXTENT OF WORKS
- ROAD CENTRE LINE
- LKT — PROPOSED LAYBACK KERB AND TRAY
- INDICATIVE DRIVEWAY LOCATION
- KERB RAMP
- PROPOSED GUIDEPOSTS
- EDGE OF PAVEMENT

0 10 20 30 40 50m
SCALE 1:500 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

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NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
LINEMARKING AND SIGNAGE PLAN

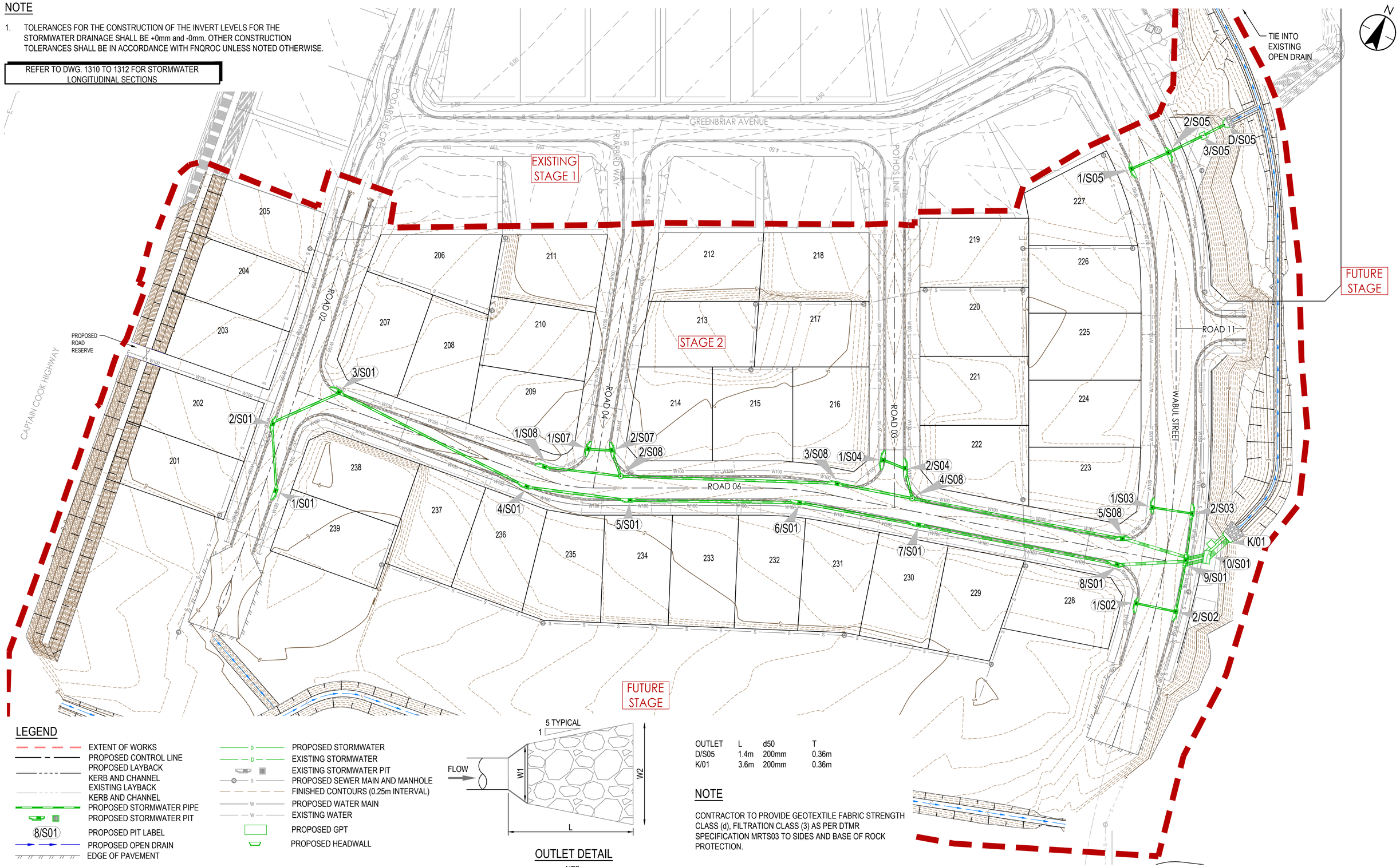
Project No. 304701584
Scale at A1 1:500
Drawing No. 304701584-STN-02-200-DR-CI-1220
Revision C05

\\AU031-PFSS01\shared_projects\304701584-ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1220 LINEMARKING AND SIGNAGE PLAN.dwg
Plotted: Zaccour, Fiona Date: 24-Feb-26 4:49:02 PM
ORIGINAL SHEET - ISO A1

NOTE

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.

REFER TO DWG. 1310 TO 1312 FOR STORMWATER LONGITUDINAL SECTIONS



LEGEND

- EXTENT OF WORKS
- PROPOSED CONTROL LINE
- PROPOSED LAYBACK KERB AND CHANNEL
- EXISTING LAYBACK KERB AND CHANNEL
- PROPOSED STORMWATER PIPE
- PROPOSED STORMWATER PIT
- 8/S01 PROPOSED PIT LABEL
- PROPOSED OPEN DRAIN
- EDGE OF PAVEMENT
- PROPOSED STORMWATER
- EXISTING STORMWATER
- EXISTING STORMWATER PIT
- PROPOSED SEWER MAIN AND MANHOLE
- FINISHED CONTOURS (0.25m INTERVAL)
- PROPOSED WATER MAIN
- EXISTING WATER
- PROPOSED GPT
- PROPOSED HEADWALL

OUTLET DETAIL

NTS

OUTLET	L	d50	T
D/S05	1.4m	200mm	0.36m
K/01	3.6m	200mm	0.36m

NOTE

CONTRACTOR TO PROVIDE GEOTEXTILE FABRIC STRENGTH CLASS (d), FILTRATION CLASS (3) AS PER DTMR SPECIFICATION MRTS03 TO SIDES AND BASE OF ROCK PROTECTION.

0 10 20 30 40 50m

SCALE 1:500 @A1

Issued/Revision	By	Appd	YYYY.MM.DD
C05 REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04 OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03 ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02 PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07

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STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

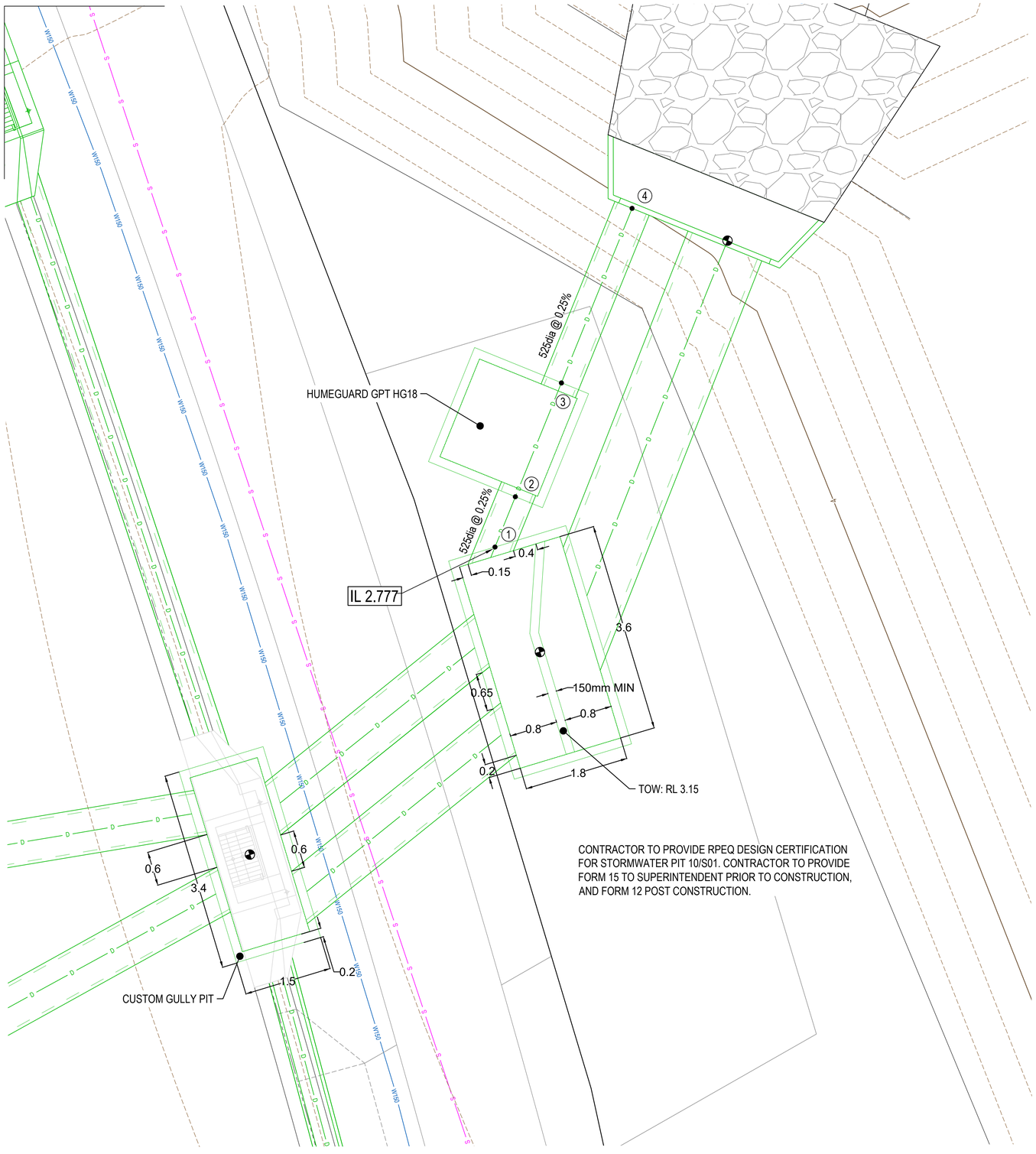
FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
STORMWATER DRAINAGE LAYOUT PLAN

Project No. 304701584
Scale at A1 1:500
Drawing No. 304701584-STN-02-200-DR-CI-1301
Revision C05

\\AUS031-FPS001\Shared_projects\304701584-ACC-project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1301.STRM-PLAN.dwg
@dtec,bbcrow,fpang,tbyrne,jdavis,24-02-26 PM

ORIGINAL SHEET - ISO A1



CONTRACTOR TO PROVIDE RPEQ DESIGN CERTIFICATION FOR STORMWATER PIT 10/S01. CONTRACTOR TO PROVIDE FORM 15 TO SUPERINTENDENT PRIOR TO CONSTRUCTION, AND FORM 12 POST CONSTRUCTION.

SETOUT POINTS

PT No.	EASTING	NORTHING	RL.
1	337208.312	8170421.558	
2	337208.659	8170422.417	
3	337209.447	8170424.363	
4	337210.653	8170427.341	

LEGEND

- PROPSOED STORMWATER
- PROPOSED WATER MAIN
- PROPOSED SEWER
- PROPERTY BOUNDARY
- PROPOSED GPT
- PROPOSED HEADWALL
- BATTER
- DESIGN CONTOURS
- PROPOSED STORMWATER PIT

NOTE

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.

REFER TO DRAWING No. 304701584-STN-02-200-DR-CI- 01310 - 01312 FOR STORMWATER LONGITUDINAL SECTIONS

0 0.5 1 2 3m
SCALE 1:30 @A1

C01	ISSUED FOR OPERATIONAL WORKS	JD	JD	2026/02/24
Issued/Revision		By	Appd	YYYY.MM.DD

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PORT DOUGLAS

Client/Project
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NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
STORMWATER GPT LAYOUT PLAN

Project No. 304701584
Scale at A1 1:30
Drawing No. 304701584-STN-02-200-DR-CI-1305
Revision C01

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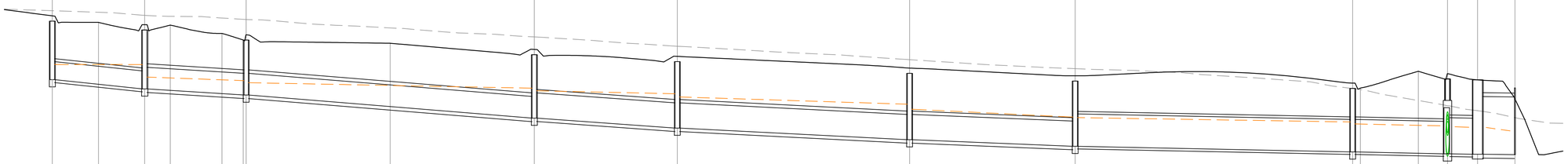

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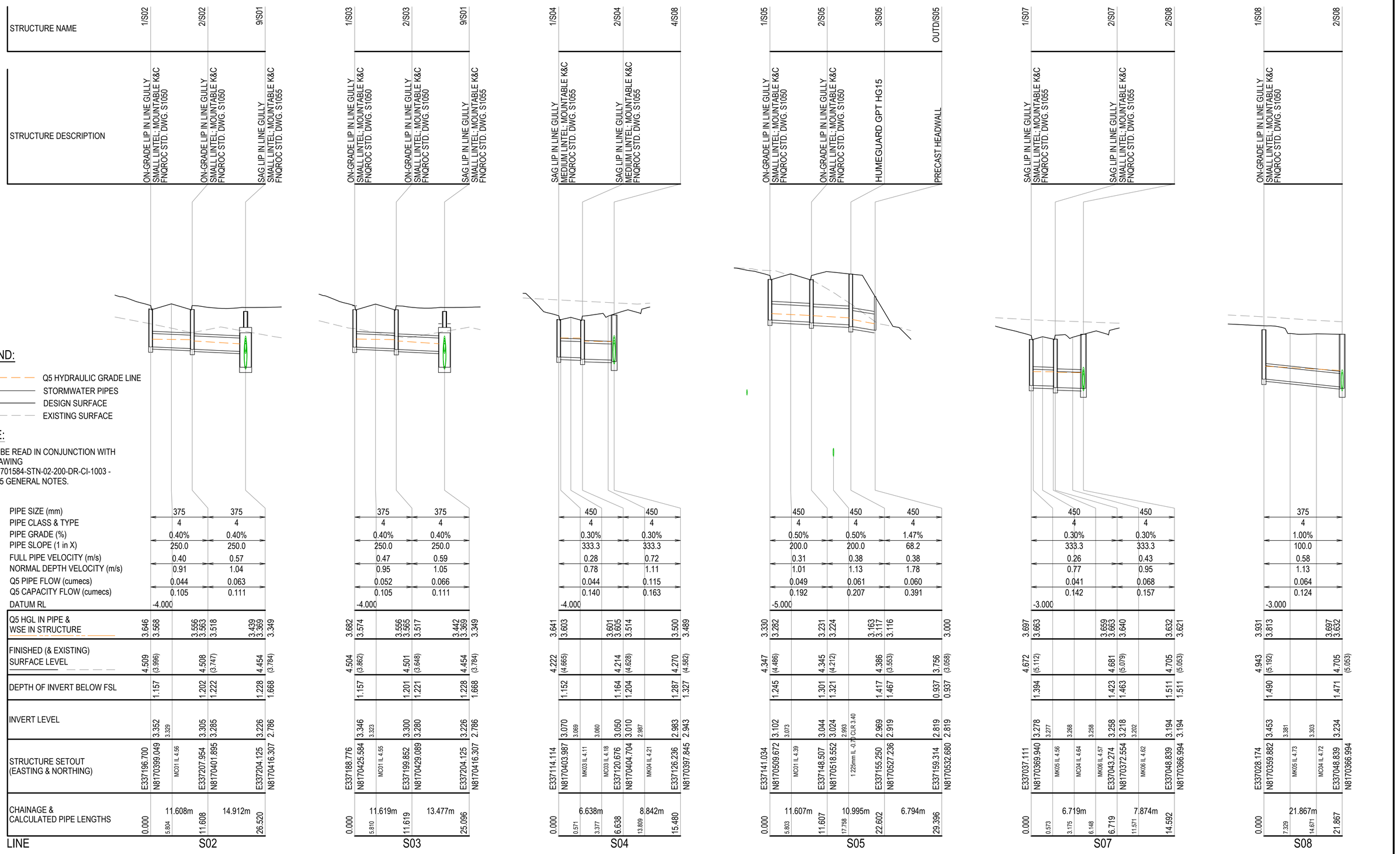

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
S4
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Coordinate System
MGA/YY-Zone
Datum
mAHD

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Client/Project Logo
NEW PORT ESTATE
PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

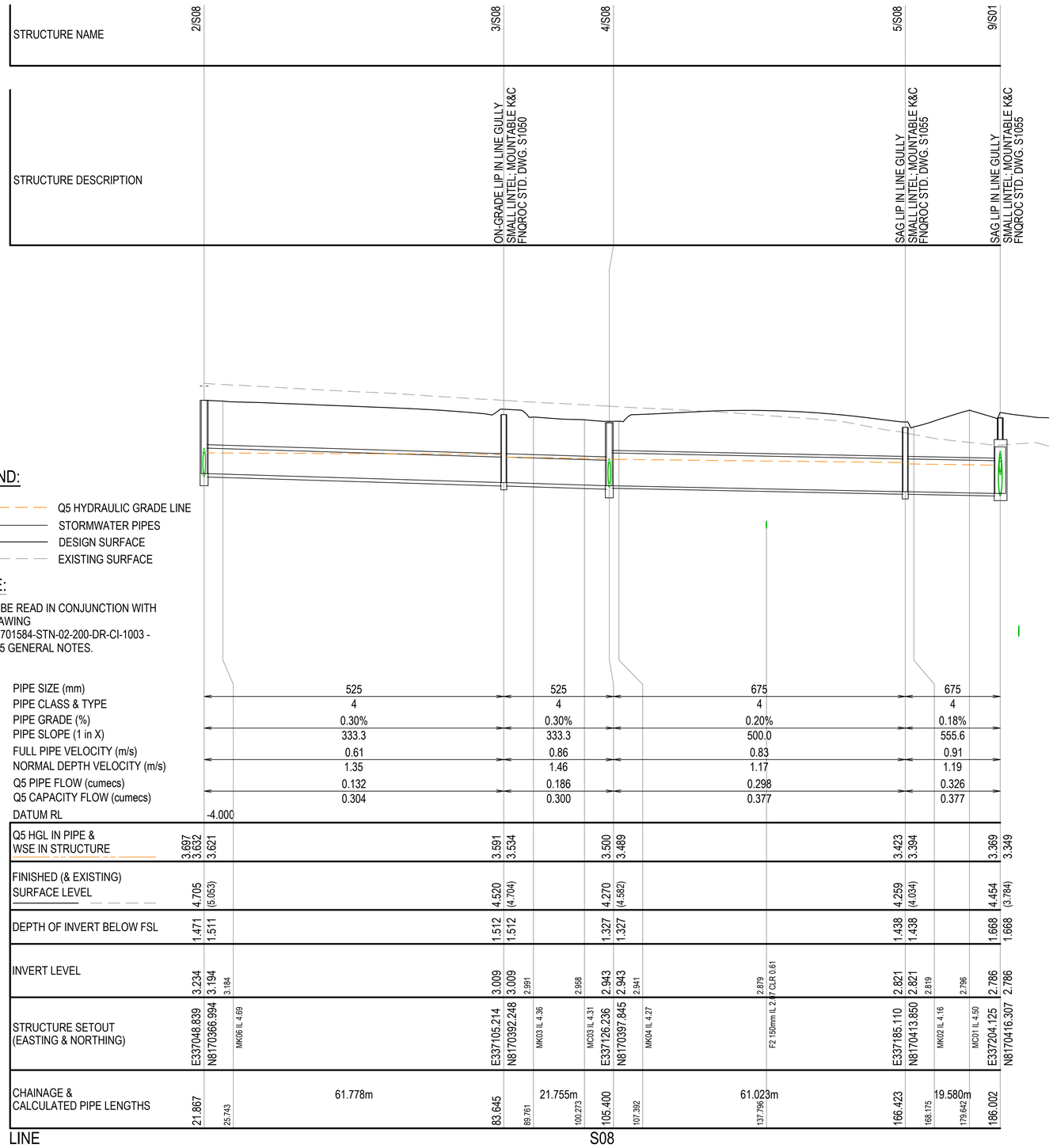
FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
STORMWATER DRAINAGE LONGITUDINAL SECTIONS

Project No. 304701584
Scale at A1
Drawing No. 304701584-STN-02-200-DR-CI-1311
Revision C05

\\AU203.PPSS01.shared_projects\304701584\ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1310-1312_STRM-LONG_A1.dwg Plotted: 26/02/2026 Plotted By: Jaccour, Rona Date: 24-Feb-26 4:07:18 PM

ORIGINAL SHEET - ISO A1



LEGEND:

- Q5 HYDRAULIC GRADE LINE
- STORMWATER PIPES
- DESIGN SURFACE
- EXISTING SURFACE

NOTE:

1. TO BE READ IN CONJUNCTION WITH DRAWING 304701584-STN-02-200-DR-CI-1003 - 1005 GENERAL NOTES.

C03	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/01/24
C02	OPERATIONAL WORKS APPROVAL	LN	MB	2025/10/17
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status

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Coordinate System
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Datum
mAHD

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PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	LN	MB	MB	2025.06.17
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
STORMWATER DRAINAGE LONGITUDINAL SECTIONS

Project No. 304701584
Scale at A1
Drawing No. 304701584-STN-02-200-DR-CI-1312
Revision C03

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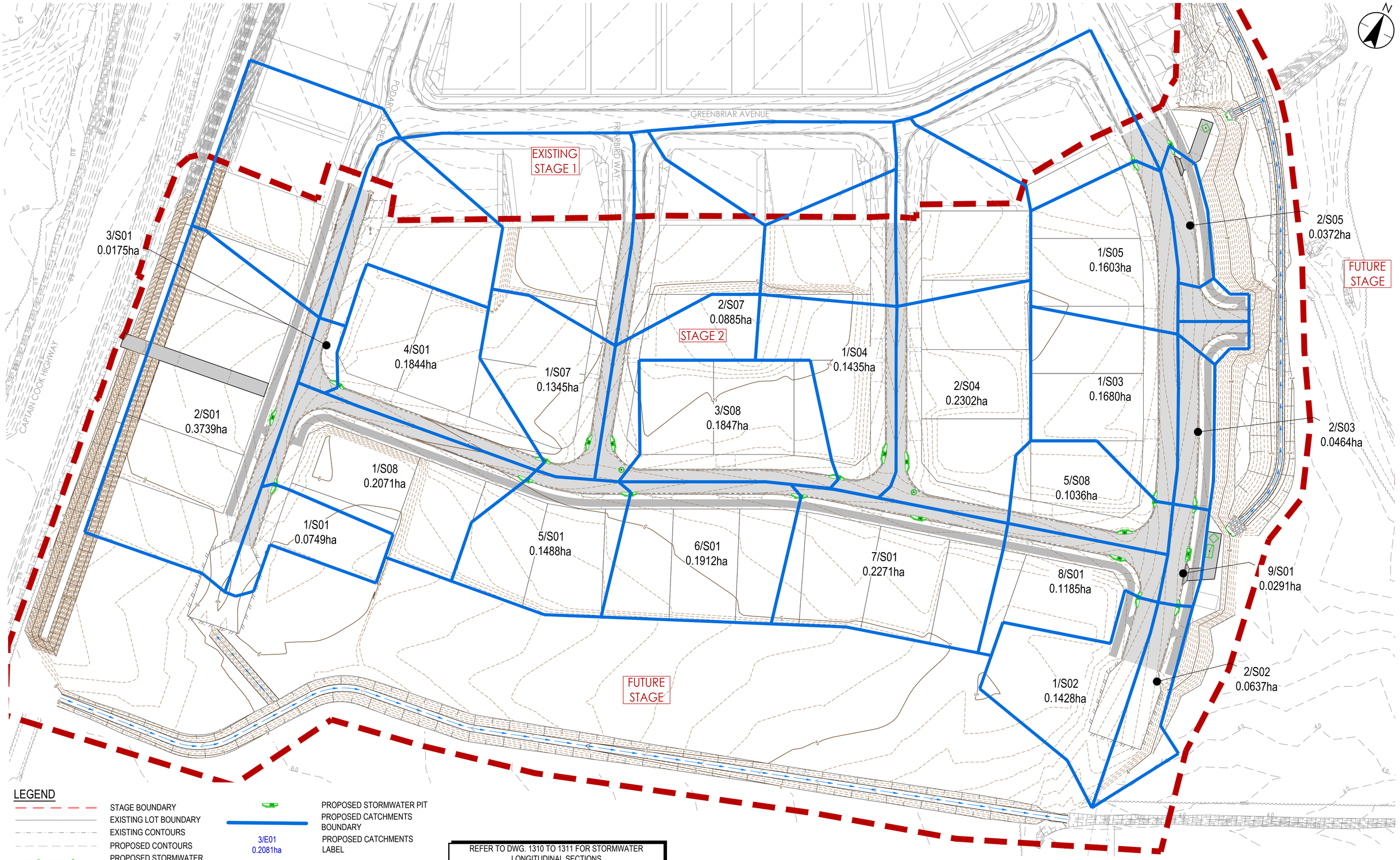
ORIGINAL SHEET - ISO A1



LEGEND

- STAGE BOUNDARY
- EXISTING LOT BOUNDARY
- EXISTING CONTOURS
- PROPOSED CONTOURS
- PROPOSED STORMWATER
- PROPOSED STORMWATER PIT
- PROPOSED CATCHMENTS BOUNDARY
- 3/E01 0.2081ha — PROPOSED CATCHMENTS LABEL
- EXISTING CATCHMENT AREA

REFER TO DWG. 1310 TO 1311 FOR STORMWATER LONGITUDINAL SECTIONS

0 10 20 30 40 50m
SCALE 1:500 @A1

	Issued/Revision	By	Appd	YYYY.MM.DD
C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07

Issue Status
S4
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Coordinate System
MGA/YY-Zone
Datum
mAHD

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Client/Project Logo

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
STORMWATER DRAINAGE CATCHMENT PLAN

Project No. 304701584
Scale at A1 1:500
Drawing No. 304701584-STN-02-200-DR-CI-1370
Revision C05

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Richard Bosman, Kevin Stone, 24 Feb 26 at 2:01:17 PM
ORIGINAL SHEET - ISO A1

LOCATION			TIME		SUB-CATCHMENT RUNOFF					INLET DESIGN												DRAIN DESIGN														HEAD LOSSES										PART FULL		DESIGN LEVELS									
DESIGN ARI	STRUCTURE No	DS STRUCTURE No.	SUB-CATCHMENTS CONTRIBUTING	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											
				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 Restrictions)	CAPACITY VELOCITY (No Downstream restrictions)	TIME OF FLOW IN REACH (t = L/<Assumed pipe velocity>)	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	m	
Q5	1/S01	2/S01	; 1/S01	15.0	138.4	75	0.80	0.075	0.060	23	23	1.30	3.00	176	1.59	0.056	0.62	0.03	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C	23	0 0	1/byp1	15.00	138.4	0.060	23	23	19.21	1.00	375	3	0.21	1.59	9.6	Ku,Kw>0 - Missouri/Hare Charts	G2	1.06	0.002	9.700	0.021		0.021	0.01	0.00	0.092	1.10	4.33	4.14	4.658	4.655	4.679	5.55	0.87	1/S01
Q5	2/S01	3/S01	1/S01; 2/S01	15.0	138.4	75	0.80	0.374	0.299	115	115	0.17	3.00	217		0.053			SAG LIP IN LINE GULLY - 2.4m LINTEL; MOUNTABLE K&C	115	0 0	1/byp1	15.16	137.9	0.359	137	137	21.11	0.60	450	3	0.86	1.39	10.6	Ku,Kw>0 - Missouri/Hare Charts	G2/T8/T10	1.58	0.038	6.841	0.260	6.89	0.262	0.37	0.11	0.257	1.46	4.14	4.01	4.395	4.316	4.657	5.36	0.70	2/S01
Q5	3/S01	4/S01	1/S01; 2/S01; 3/S01	15.0	138.4	75	0.80	0.017	0.014	5	5	1.96	2.71	210	0.82	0.036	0.46	0.02	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C	5	0 0	1/S08	15.34	137.4	0.373	142	142	59.98	0.80	450	3	0.89	1.60	30.0	Ku,Kw>0 - Missouri/Hare Charts	T5/T8	1.10	0.041	1.059	0.043	1.09	0.044	0.20	0.19	0.240	1.65	4.01	3.53	4.273	4.153	4.317	5.15	0.83	3/S01
Q5	4/S01	5/S01	1/S01; 2/S01; 3/S01; 4/S01	15.0	138.4	75	0.80	0.184	0.147	57	57	0.50	3.00	109	2.71	0.088	0.54	0.05	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C	57	0 0	5/S01	15.84	136.0	0.520	196	196	29.74	0.70	525	4	0.91	1.66	14.9	Ku,Kw>0 - Missouri/Hare Charts	T1/T2	1.19	0.042	1.283	0.054		0.054	0.21	0.06	0.277	1.70	3.53	3.32	4.099	4.037	4.153	4.85	0.69	4/S01
Q5	5/S01	6/S01	1/S01; 2/S01; 3/S01; 4/S01; 5/S01	15.0	138.4	75	0.80	0.149	0.119	46	46	0.50	3.00	109	2.49	0.082	0.51	0.04	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C	46	0 0	6/S01	16.08	135.3	0.639	240	240	48.36	0.50	525	4	1.11	1.41	24.2	Ku,Kw>0 - Missouri/Hare Charts	T1/T2	1.36	0.063	1.072	0.067		0.067	0.31	0.15	0.352	1.56	3.32	3.08	3.970	3.819	4.037	4.70	0.67	5/S01
Q5	6/S01	7/S01	1/S01; 2/S01; 3/S01; 4/S01; 5/S01; 6/S01	15.0	138.4	75	0.80	0.191	0.153	59	59	0.49	3.00	111	2.73	0.088	0.55	0.05	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C	59	0 0	7/S01	16.49	134.1	0.791	295	295	34.45	0.40	525	4	1.36	1.26	17.2	Ku,Kw>0 - Missouri/Hare Charts	T1/T2	1.41	0.095	1.120	0.106		0.106	0.47	0.16			3.08	2.94	3.713	3.552	3.819	4.46	0.64	6/S01
Q5	7/S01	8/S01	1/S01; 2/S01; 3/S01; 4/S01; 5/S01; 6/S01; 7/S01	15.0	138.4	75	0.80	0.227	0.181	70	70	0.15	3.00	216		0.021			SAG LIP IN LINE GULLY - 2.4m LINTEL; MOUNTABLE K&C	70	0 0	8/S01	16.77	133.3	0.973	360	360	57.74	0.20	675	4	1.01	1.05	28.9	Ku,Kw>0 - Missouri/Hare Charts	T1	1.02	0.052	0.214	0.011		0.011	0.15	0.09	0.529	1.20	2.94	2.83	3.541	3.451	3.552	4.30	0.75	7/S01
Q5	8/S01	9/S01	1/S01; 2/S01; 3/S01; 4/S01; 5/S01; 6/S01; 7/S01; 8/S01	15.0	138.4	75	0.80	0.119	0.095	36	36	0.88	3.00	379		0.000			SAG LIP IN LINE GULLY - 2.4m LINTEL; MOUNTABLE K&C	36	0 0	1/S02	17.25	131.9	1.068	391	391	19.75	0.20	675	4	1.09	1.05	9.9	Ku,Kw>0 - Missouri/Hare Charts	T1/T2	1.06	0.061	0.687	0.042		0.042	0.20	0.04	0.581	1.19	2.83	2.79	3.409	3.370	3.451	4.15	0.70	8/S01
Q5	9/S01	10/S01	1/S04; 2/S04; 1/S07; 2/S07; 1/S08; 3/S08; 5/S08; 1/S03; 2/S03; 1/S02; 2/S02; 1/S01; 2/S01; 3/S01; 4/S01; 5/S01; 6/S01; 7/S01; 8/S01; 9/S01	15.0	138.4	75	0.80	0.029	0.023	9	9	0.07	3.00	351		0.000			SAG LIP IN LINE GULLY - 2.4m LINTEL; MOUNTABLE K&C	9	0 0	LOST	17.42	131.4	2.299	839	839	6.24	0.15	(2x)750	4	0.95	0.98	3.1	Ku,Kw>0 - Missouri/Hare Charts	T2/T5	1.03	0.046	0.433	0.020		0.020	0.18	0.01	0.597	1.11	2.79	2.78	3.350	3.339	3.370	4.00	0.63	9/S01
Q5	10/S01	OUTK/S01	1/S04; 2/S04; 1/S07; 2/S07; 1/S08; 3/S08; 5/S08; 1/S03; 2/S03; 1/S02; 2/S02; 1/S01; 2/S01; 3/S01; 4/S01; 5/S01; 6/S01; 7/S01; 8/S01; 9/S01									1.00	1.00						HUMEGUARD HG18		0 0		17.47	131.2	2.299	838	838	7.79	0.10	1200	3	0.74	1.09	3.9	Ku,Kw>0 - Missouri/Hare Charts	T2/T5	1.00	0.028	0.114				0.94	0.02	0.726	1.17	2.78	2.77	3.336	3.263	3.339	4.33	0.99	10/S01
Q5	OUTK/S01	0	1/S04; 2/S04; 1/S07; 2/S07; 1/S08; 3/S08; 5/S08; 1/S03; 2/S03; 1/S02; 2/S02; 1/S01; 2/S01; 3/S01; 4/S01; 5/S01; 6/S01; 7/S01; 8/S01; 9/S01									1.00	20.13						OUTLET STRUCTURE		0 0																														3.263	4.50		OUTK/S01
Q5	1/S02	2/S02	; 1/S02	15.0	138.4	75	0.80	0.143	0.114	44	44	0.52	3.00	520	2.42	0.079	0.52	0.04	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C	44	0 0	1/byp2	15.00	138.4	0.114	44	44	11.61	0.40	375	4	0.40	1.00	5.8	Ku,Kw>0 - Missouri/Hare Charts	G2	1.21	0.008	9.700	0.078		0.078	0.10	0.02	0.164	0.95	3.35	3.31	3.537	3.526	3.615	4.42	0.80	1/S02
Q5	2/S02	9/S01	1/S02; 2/S02	15.0	138.4	75	0.80	0.064	0.051	20	20	0.48	3.00	177	1.80	0.062	0.41	0.03	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C	20	0 0	9/S01	15.10	138.1	0.165	63	63	14.91	0.40	375	4	0.57	1.00	7.5	Ku,Kw>0 - Missouri/Hare Charts	T10	1.12	0.017	2.229	0.037	2.66	0.045	0.53	0.06	0.203	1.04	3.29	3.23	3.488	3.409	3.533	4.40	0.86	2/S02
Q5	1/S03	2/S03	; 1/S03	15.0	138.4	75	0.80	0.168	0.134	52	52	0.52	3.00	506	2.57	0.084	0.54	0.05	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C	52	0 0	1/byp2	15.00	138.4	0.134	52	52	11.62	0.40	375	4	0.47	1.00	5.8	Ku,Kw>0 - Missouri/Hare Charts	G2	1.29	0.011	9.700	0.108		0.108	0.14	0.03	0.180	0.99	3.35	3.30	3.542	3.527	3.650	4.50	0.85	1/S03
Q5	2/S03	9/S01	1/S03; 2/S03	15.0	138.4	75	0.80	0.046	0.037	14	14	0.49	3.00	177	1.59	0.056	0.38	0.02	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C	14	0 0	9/S01	15.10	138.1	0.171	66	66	13.48	0.40	375	4	0.59	1.00	6.7	Ku,Kw>0 - Missouri/Hare Charts	T8/T10	1.13	0.018	2.175	0.039	2.63	0.048	0.56	0.06	0.208	1.05	3.28	3.23	3.487	3.412	3.535	4.39	0.86	2/S03
Q5	1/S04	2/S04	; 1/S04	15.0	138.4	75	0.80	0.144	0.115	44	44	0.71	2.29	227		0.000			SAG LIP IN LINE GULLY - 3.6m LINTEL; MOUNTABLE K&C	44	0 0	2/S04	15.00	138.4	0.115	44	44	6.64	0.30	450	4	0.28	0.98	3.3	Ku,Kw>0 - Missouri/Hare Charts	G2	1.27	0.004	9.700	0.038		0.038	0.02	0.00	0.164	0.84	3.07	3.05	3.604	3.602	3.642	4.12	0.48	1/S04
Q5	2/S04	4/S08	1/S04; 2/S04	15.0	138.4	75	0.80	0.230	0.184	71	71	0.27	3.00	444		0.000			SAG LIP IN LINE GULLY - 3.6m LINTEL; MOUNTABLE K&C	71	0 0	1/byp4	15.06	138.2	0.299	115	115	8.84	0.30	450	4	0.72	0.98	4.4	Ku,Kw>0 - Missouri/Hare Charts	G1/T5/T8	1.32	0.027	3.268	0.087	3.40	0.090	0.16	0.01	0.287	1.07	3.01	2.98	3.516	3.501	3.606	4.10	0.50	2/S04
Q5	1/S05	2/S05	; 1/S05	15.0	138.4	75	0.80	0.160	0.128	49	49	1.26	2.98	678	2.14	0.072	0.74	0.05	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C	49	0 0		15.00	138.4	0.128	49	49	11.61	0.50	450	4	0.31	1.27	5.8	Ku,Kw>0 - Missouri/Hare Charts	G2	1.11	0.005	9.700	0.047		0.047	0.46	0.06	0.151	1.05	3.10	3.04	3.254	3.201	3.301	4.24	0.94	1/S05
Q5	2/S05	3/S05	1/S05; 2/S05	15.0	138.4	75	0.80	0.037	0.030	11	11	1.12	3.01						ON-GRADE LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C	11	0 0		15.10	138.1	0.158	61	61	11.00	0.50	450	4	0.38	1.27	5.5	Ku,Kw>0 - Missouri/Hare Charts	T1/T2	1.02	0.007	1.048	0.008		0.008	0.50	0.05	0.169	1.11	3.02	2.97	3.193	3.138	3.201	4.23	1.03	2/S05
Q5	3/S05	OUTD/S05	1/S05; 2/S05									1.00	-0.99						HUMEGUARD HG15		0 0		15.19	137.9	0.158	60	60	6.79	1.47	450	4	0.38	2.17	3.4	Ku,Kw>0 - Missouri/Hare Charts	T1	1.00	0.007	0.203				1.29	0.10	0.127	1.63	2.92	2.82	3.088	3.000	3.089	4.39	1.30	3/S05
Q5	OUTD/S05	0	1/S05; 2/S05									1.00	16.66						OUTLET STRUCTURE		0 0																												3.000	3.76		OUTD/S05
Q5	1/S07	2/S07	; 1/S07	15.0	138.4	75	0.80	0.135	0.107	41	41	0.70	2.99	245		0.001			SAG LIP IN LINE GULLY - 2.4m LINTEL; MOUNTABLE K&C	41	0 0	2/S07	15.00	138.4	0.107	41	41	6.72	0.30	450	4	0.26	0.98	3.4	Ku,Kw>0 - Missouri/Hare Charts	G2	1.07	0.003	9.700	0.033		0.033	0.02	0.00	0.158	0.83	3.28	3.26	3.685	3.684	3.718	4.58	0.86	1/S07

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
S4
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Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
STORMWATER DRAINAGE CALCULATIONS
SHEET 1 OF 2

Project No.
304701584

Scale at A1

Drawing No.
304701584-STN-02-200-DR-CI-1380

Revision
C05

ORIGINAL SHEET - ISO A1

LOCATION			TIME		SUB-CATCHMENT RUNOFF					INLET DESIGN											DRAIN DESIGN																				HEAD LOSSES									PART FULL		DESIGN LEVELS								
DESIGN ARI	STRUCTURE No	DS STRUCTURE No.	SUB-CATCHMENTS CONTRIBUTING	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										
				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 Restrictions)	CAPACITY VELOCITY (No Downstream restrictions)	TIME OF FLOW IN REACH (t = L/<Assumed pipe velocity>)	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	m	
Q5	1/S01	2/S01	; 1/S01	15.0	138.4	75	0.80	0.075	0.060	23	23	1.30	3.00	176	1.59	0.056	0.62	0.03	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C	23	0 0	1/byp1	15.00	138.4	0.060	23	23	19.21	1.00	375	3	0.21	1.59	9.6	Ku,Kw>0 - Missouri/Hare Charts	G2	1.06	0.002	9.700	0.021		0.021	0.01	0.00	0.092	1.10	4.33	4.14	4.658	4.655	4.679	5.55	0.87	1/S01
Q5	2/S07	2/S08	1/S07; 2/S07	15.0	138.4	75	0.80	0.088	0.071	27	27	0.73	2.60	302		0.000			SAG LIP IN LINE GULLY - 2.4m LINTEL; MOUNTABLE K&C	27	0 0	1/byp3	15.06	138.2	0.178	68	68	7.87	0.30	450	4	0.43	0.98	3.9	Ku,Kw>0 - Missouri/Hare Charts	T8	1.05	0.009	2.010	0.019	2.39	0.023	0.05	0.00	0.208	0.95	3.22	3.19	3.665	3.661	3.687	4.57	0.88	2/S07
Q5	1/S08	2/S08	; 1/S08	15.0	138.4	75	0.80	0.207	0.165	64	64	0.50	3.00	109	2.83	0.091	0.55	0.05	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C	64	0 0	1/S07	15.00	138.4	0.165	64	64	21.87	1.00	375	4	0.58	1.59	10.9	Ku,Kw>0 - Missouri/Hare Charts	G1	1.32	0.017	7.000	0.118		0.118	-0.01	0.03	0.156	1.46	3.45	3.23	3.659	3.661	3.777	4.83	1.06	1/S08
Q5	2/S08	3/S08	1/S07; 2/S07; 1/S08									1.00	-2.75						1200mm DIA		0 0		15.18	137.9	0.344	132	132	61.78	0.30	525	4	0.61	1.09	30.9	Ku,Kw>0 - Missouri/Hare Charts	T2/T5	1.02	0.019	0.598	0.011		0.011	0.08	0.05	0.280	1.12	3.19	3.01	3.650	3.599	3.661	5.00	1.34	2/S08
Q5	3/S08	4/S08	1/S07; 2/S07; 1/S08; 3/S08	15.0	138.4	75	0.80	0.185	0.148	57	57	0.50	3.00	109	2.71	0.088	0.54	0.05	ON-GRADE LIP IN LINE GULLY 2.4m LINTEL; MOUNTABLE K&C	57	0 0	1/S04	15.70	136.4	0.491	186	186	21.75	0.30	525	4	0.86	1.09	10.9	Ku,Kw>0 - Missouri/Hare Charts	T1/T2	1.12	0.038	1.510	0.057		0.057	0.19	0.04	0.352	1.21	3.01	2.94	3.542	3.501	3.599	4.41	0.81	3/S08
Q5	4/S08	5/S08	1/S04; 2/S04; 1/S07; 2/S07; 1/S08; 3/S08									1.60	-7.29						1200mm DIA		0 0		15.88	135.9	0.790	298	298	61.02	0.20	675	4	0.83	1.05	30.5	Ku,Kw>0 - Missouri/Hare Charts	T2/T5	1.02	0.035	0.324	0.011		0.011	0.11	0.07	0.454	1.17	2.94	2.82	3.490	3.425	3.501	4.24	0.74	4/S08
Q5	5/S08	9/S01	1/S04; 2/S04; 1/S07; 2/S07; 1/S08; 3/S08; 5/S08	15.0	138.4	75	0.80	0.104	0.083	32	32	0.76	2.31	377		0.000			SAG LIP IN LINE GULLY - 2.4m LINTEL; MOUNTABLE K&C	32	0 0	1/S03	16.39	134.4	0.872	326	326	19.58	0.18	675	4	0.91	1.00	9.8	Ku,Kw>0 - Missouri/Hare Charts	T1/T2	1.04	0.042	0.673	0.028		0.028	0.13	0.03	0.507	1.13	2.82	2.79	3.396	3.370	3.425	4.15	0.72	5/S08

Issued/Revision		By	Appd	
C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07

Issue Status

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Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS

CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
STORMWATER DRAINAGE CALCULATIONS
SHEET 2 OF 2

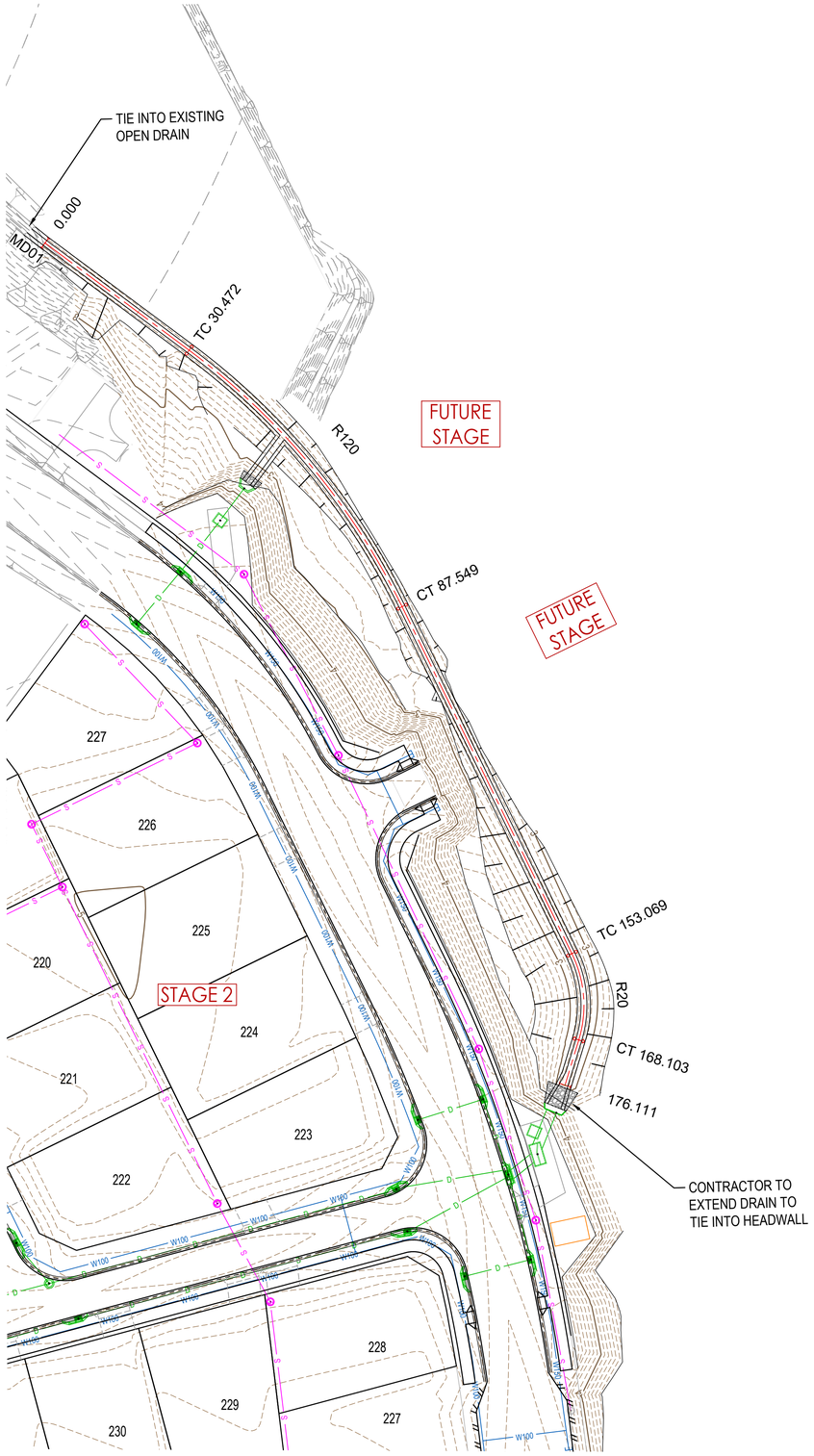
Project No.
304701584

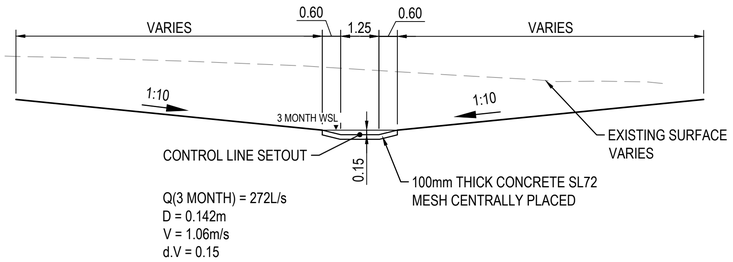
Scale at A1

Drawing No.
304701584-STN-02-200-DR-CI-1381

Revision
C05

ORIGINAL SHEET - ISO A1





OPEN DRAIN CROSS SECTION

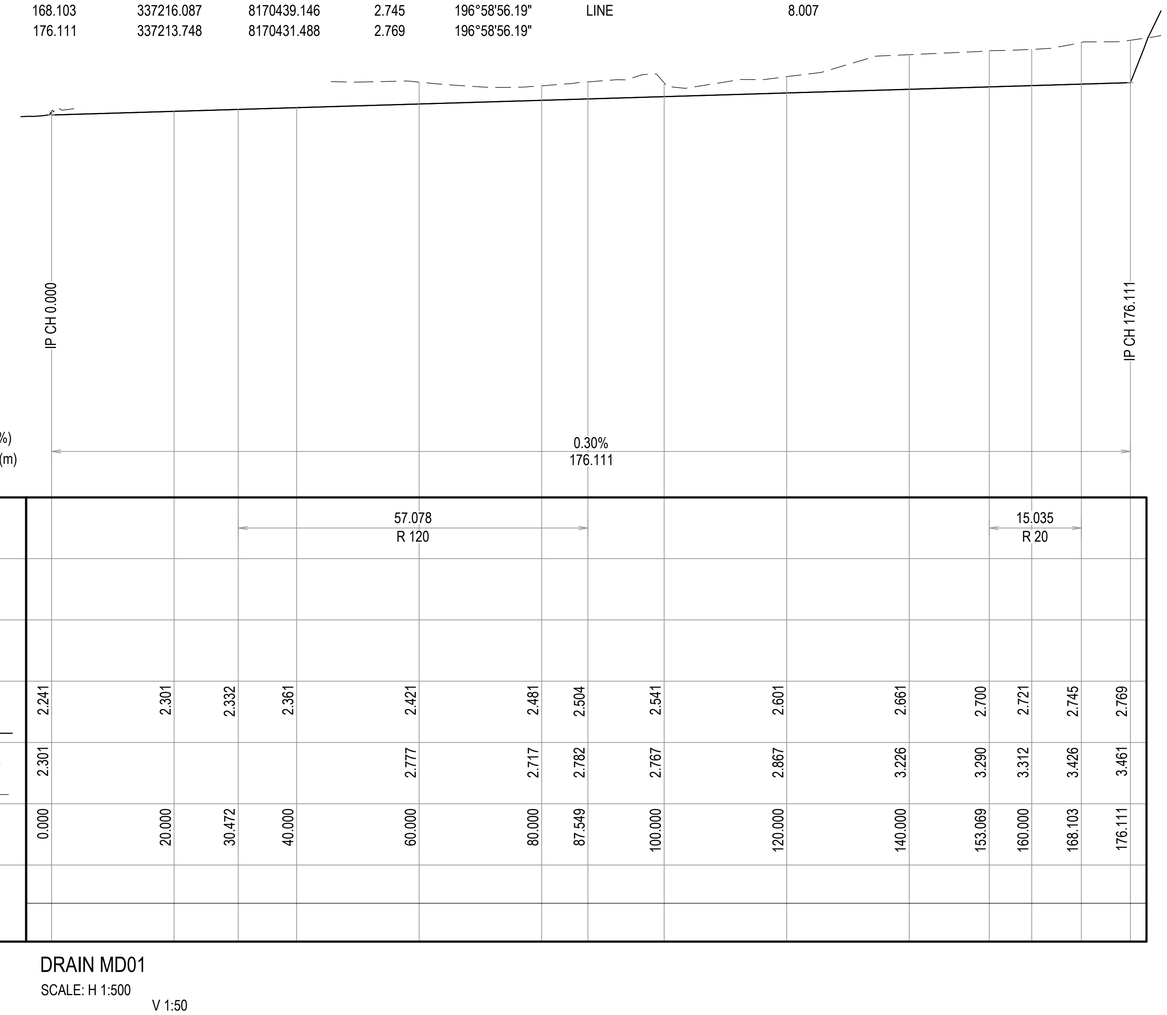
SCALE 1:100

KEYPLAN

1:2000

DRAIN MD01 - SETOUT DATA

PT	CHAINAGE	EASTING	NORTHING	HEIGHT	BEARING	DEP.SEG	DEP.RAD	DEP.LEN
S	0.000	337125.536	8170574.313	2.241	126°39'32.16"	LINE		30.472
TC	30.472	337149.980	8170556.120	2.332	126°39'32.16"	ARC	120.000	57.078
CT	87.549	337186.108	8170512.627	2.504	153°54'41.48"	LINE		65.519
TC	153.069	337214.921	8170453.783	2.700	153°54'41.48"	ARC	20.000	15.035
CT	168.103	337216.087	8170439.146	2.745	196°58'56.19"	LINE		8.007
E	176.111	337213.748	8170431.488	2.769	196°58'56.19"			



DRAIN MD01

SCALE: H 1:500

V 1:50

SCALE 1:500 @A1

0 10 20 30 40 50m

SCALE 1:100 @A1

0 1 2 4 6 8 10m

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

ORIGINAL SHEET - ISO A1

C03	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C02	ISSUED FOR OPERATIONAL WORKS	LN	MB	2025/06/17
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status

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Client/Project Logo

NEW PORT ESTATE
PORT DOUGLAS

Client/Project

PORT DOUGLAS LAND DEV PTY LTD

NEW PORT ESTATE
STAGE 2 - CIVIL WORKS

CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title

STORMWATER DIVERSION DRAIN
SHEET 1 OF 2

Project No. 304701584

Scale at A1 1:200

Drawing No. 304701584-STN-02-200-DR-CI-1390

Revision C03

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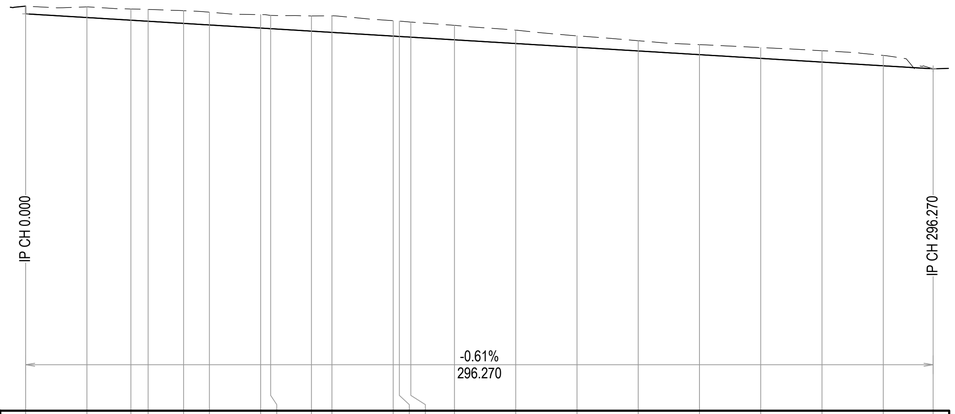

IP CH 0.000
IP CH 296.270
-0.61%
296.270

| | | |

EXISTING STAGE 1

EXISTING MANHOLE TO BE REMOVED AND LINE SHORTENED AND CAPPED.

CONNECT TO EXISTING SEWER MANHOLE

GREENBRIAR AVENUE

FRIARBIRD WAY

POTHOS LINK

PROPOSED ROAD RESERVE

CAPTAIN COOK HIGHWAY

ROAD 02

ROAD 04

ROAD 03

ROAD 06

ROAD 11

WABUL STREET

STAGE 2

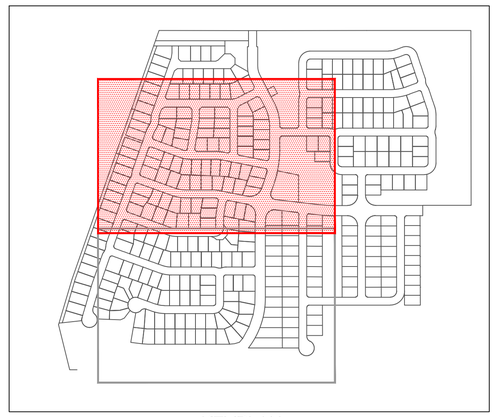
FUTURE STAGE

EXISTING SEWER MANHOLE AND PIPE TO BE DEMOLISHED.

CONTRACTOR TO CONSTRUCT SEWER LINE FROM 4/F1 TO 5/F1 AND PROVIDE STUB. MANHOLE 5/F1 FUTURE INFRASTRUCTURE.

APPROXIMATE EXTENT OF 3m WIDE EASEMENT BETWEEN END OF ROAD RESERVE PROVIDED IN STAGE 2 NEW PORT, TO CONNECT TO THE EXISTING ROAD RESERVE.

FUTURE STAGE



KEYPLAN
1:6000

LEGEND

- EXTENT OF WORKS
- PROPOSED CENTRELINE
- PROPOSED LAYBACK KERB AND CHANNEL
- EXISTING LAYBACK KERB AND CHANNEL
- PROPOSED STORMWATER PIPE
- PROPOSED STORMWATER PIT
- PROPOSED SEWER MANHOLE LABEL
- PROPOSED OPEN DRAIN
- PROPOSED SEWER
- EXISTING SEWER
- FINISHED CONTOURS (0.2m INTERVAL)
- PROPOSED SEWER MAIN AND MANHOLE
- PROPOSED WATER MAIN AND FITTINGS
- EXISTING WATER
- PROPOSED SEWER MAIN AND MANHOLE FUTURE
- SEWER END CAP
- EXISTING SEWER AND MAN HOLE TO BE DEMOLISHED
- PROPOSED SEWER HOUSE CONNECTION TYPE

NOTE

1. ELECTRICAL DESIGN YET TO BE PROVIDED. ELECTRICAL ENGINEER TO LOCATE INFRASTRUCTURE SUCH THAT IT DOES NOT CLASH WITH CIVIL SERVICES. INTERNAL CIVIL DESIGN EXCLUSIVE OF EXTERNAL NETWORK AUGMENTATIONS WHICH MAY BE REQUIRED TO SERVICE STAGE 2 OF THE DEVELOPMENT. UPGRADES SHALL BE DESIGNED AND CONSTRUCTRED PRIOR TO LOT TITLES FOR STAGE 2.

REFER TO DRAWINGS NO. 304701584-STN-02-200-DR-CI-1510 TOP 1515 FOR SEWER LONGITUDINAL SECTIONS

0 15 30 45 60 75m
SCALE 1:750 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

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NEW PORT ESTATE
PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
SEWERAGE PLAN
SHEET 1 OF 2

Project No. 304701584
Scale at A1 1:750
Drawing No. 304701584-STN-02-200-DR-CI-1502
Revision C05

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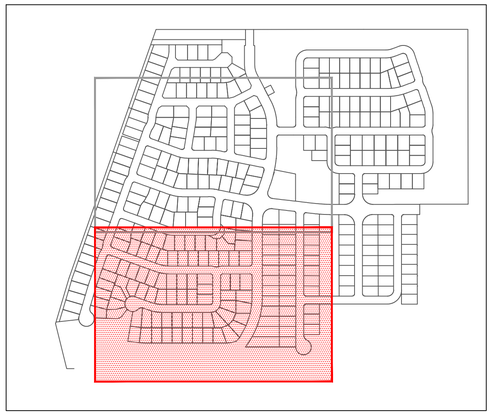
ORIGINAL SHEET - ISO A1



KEYPLAN
1:6000

LEGEND

- EXTENT OF WORKS
- PROPOSED CENTRELINE
- PROPOSED LAYBACK KERB AND CHANNEL
- EXISTING LAYBACK KERB AND CHANNEL
- PROPOSED STORMWATER PIPE
- PROPOSED STORMWATER PIT
- PROPOSED SEWER MANHOLE LABEL
- PROPOSED OPEN DRAIN
- PROPOSED SEWER
- EXISTING SEWER
- FINISHED CONTOURS (0.2m INTERVAL)
- PROPOSED SEWER MAIN AND MANHOLE
- PROPOSED WATER MAIN AND FITTINGS
- EXISTING WATER
- PROPOSED SEWER MAIN AND MANHOLE FUTURE
- SEWER END CAP
- EXISTING SEWER AND MAN HOLE TO BE DEMOLISHED
- PROPOSED SEWER HOUSE CONNECTION TYPE

NOTE

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REFER TO DRAWINGS NO. 304701584-STN-02-200-DR-CI-1510 TOP 1515 FOR SEWER LONGITUDINAL SECTIONS

0 15 30 45 60 75m
SCALE 1:750 @A1

C01	OPERATIONAL WORKS APPROVAL	JD	JD	2026/02/24
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
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NEW PORT ESTATE
PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
SEWERAGE PLAN
SHEET 2 OF 2

Project No.
304701584

Scale at A1
1:750

Drawing No.
304701584-STN-02-200-DR-CI-1503

Revision
C01

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Plotted: Jaccour, Rona Date: 24-Feb-26 4:07:13 PM

ORIGINAL SHEET - ISO A1

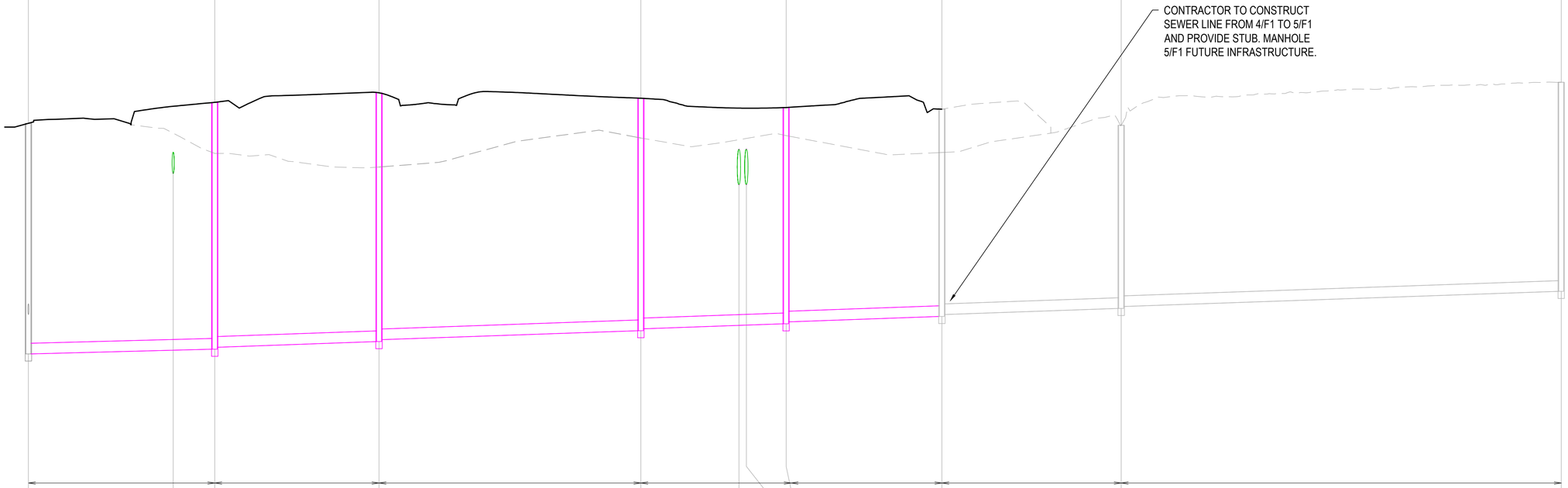
STRUCTURE NAME / No.	1/17	1/F1	2/F1	3/F1	4/F1	5/F1	6/F1	7/F1
FNQROC INLET TYPE & DIA.	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065
COVER TYPE & AS3998 CLASS	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER
DROP JUNCTION TYPE	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA
LINE DEFLECTION & BRANCHES		25°	2°	7°	8°	8°	-23°	

LEGEND:

- PIPES
- DESIGN SURFACE
- EXISTING SURFACE
- FUTURE PIPES

NOTE:

1. TO BE READ IN CONJUNCTION WITH DRAWING 304701584-STN-02-CI-1003 - 1004 GENERAL NOTES
2. LOCATIONS AND LEVELS OF FUTURE SEWER INFRASTRUCTURE PRELIMINARY ONLY AND SUBJECT TO FURTHER DETAILED DESIGN.



DATUM RL	-4.000								
PIPE SIZE (mm), CLASS	DN225, PVC-U SN8	DN225, PVC-U SN8	DN225, PVC-U SN8	DN225, PVC-U SN8	DN225, PVC-U SN8	DN225, PVC-U SN8	DN225, PVC-U SN8		
GRADE (1 IN X)	392.81	290.02	290.02	290.02	290.02	290.02	290.02		
LENGTH	39.281	34.634	55.201	30.610	32.846	37.796	92.762		
DEPTH OF INVERT BELOW FSL	4.858	4.858 / 5.200	5.160 / 5.241	5.201 / 4.898	4.858 / 4.555	4.515 / 4.367	4.327 / 3.859	3.819 / 4.405	
INVERT LEVEL (IL)	-0.780	-0.780 / -0.702	-0.680 / -0.640	-0.521 / -0.481	-0.290 / -0.250	-0.178 / -0.173	-0.145 / -0.105	0.009 / 0.049	0.179 / 0.219 / 0.539
FINISHED FSL (& EXISTING ESL) SURFACE LEVEL	4.078 (4.078)	4.520 (3.445)	4.721 (3.157)	4.608 (3.769)	4.411 (3.820)	4.376 (3.464)	4.038 (4.038)	4.944 (4.944)	
STRUCTURE SETOUT (EASTING & NORTHING)	E337127.949 N8170541.801	E337159.285 N8170518.115	E337175.298 N8170487.405	E337199.116 N8170437.606	E337208.786 N8170408.565	E337214.750 N8170376.265	E337216.603 N8170338.514	E337257.400 N8170255.205	
CHAINAGE (CH)	0.000	30.509 / 39.281	73.915	129.116 / 20.668	22.229 / 159.726	192.571	230.368	323.130	

LINE 1

LONGITUDINAL SECTIONS

SCALE A1 - 1:1000(H) 1:100(V)
A3 - 1:2000(H) 1:200(V)

Issued/Revision		By	Appd	YYYY.MM.DD
C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07

Issue Status
S4
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Client/Project
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NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
SEWERAGE LONGITUDINAL SECTIONS
SHEET 1 OF 8

Project No. 304701584
Scale at A1
Drawing No. 304701584-STN-02-200-DR-CI-1510
Revision C05

\\AU2021-PFS001\shared_projects\304701584-ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1510-[01]SWR-LONG.dwg
Plotted: Zaccour, Kiana, Date: 24-Feb-26 4:51:2 PM
ORIGINAL SHEET - ISO A1

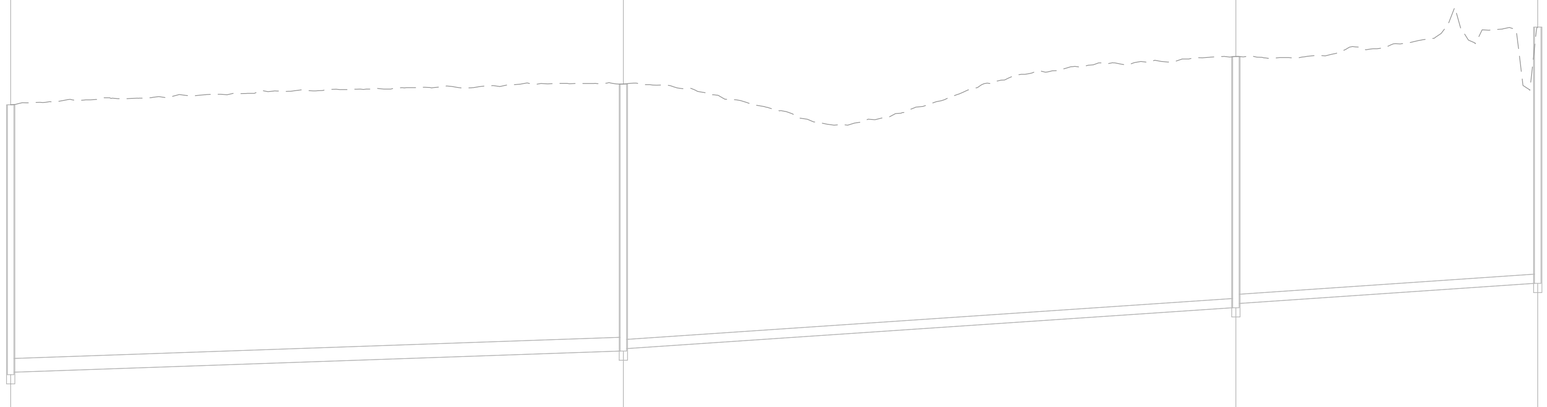
STRUCTURE NAME / No.	7/F1	8/F1	9/F1	10/F1
FNQROC INLET TYPE & DIA.	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065
COVER TYPE & AS3998 CLASS	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER
DROP JUNCTION TYPE	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA
LINE DEFLECTION & BRANCHES				90°

LEGEND:

- PIPES
- DESIGN SURFACE
- EXISTING SURFACE
- EXISTING SURFACE
- FUTURE PIPES

NOTE:

1. TO BE READ IN CONJUNCTION WITH DRAWING 304701584-STN-02-CI-1003 - 1004 GENERAL NOTES
2. LOCATIONS AND LEVELS OF FUTURE SEWER INFRASTRUCTURE PRELIMINARY ONLY AND SUBJECT TO FURTHER DETAILED DESIGN.



| | | | |

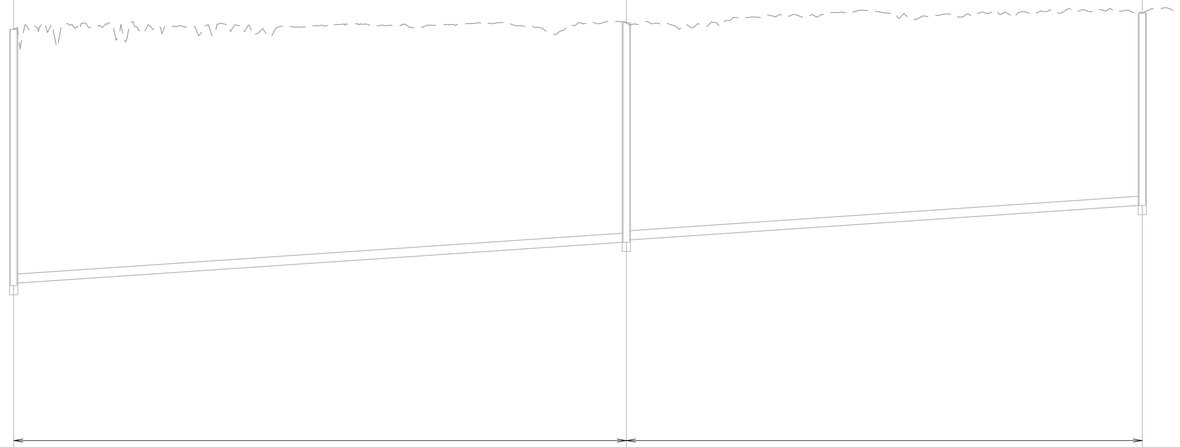
STRUCTURE NAME / No.		10/F1	11/F1	12/F1
FNQROC INLET TYPE & DIA	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065
COVER TYPE & AS3998 CLASS	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER
DROP JUNCTION TYPE	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA
LINE DEFLECTION & BRANCHES	90°			

LEGEND:

- PIPES
- DESIGN SURFACE
- EXISTING SURFACE
- FUTURE PIPES

NOTE:

1. TO BE READ IN CONJUNCTION WITH DRAWING 304701584-STN-02-CI-1003 - 1004 GENERAL NOTES
2. LOCATIONS AND LEVELS OF FUTURE SEWER INFRASTRUCTURE PRELIMINARY ONLY AND SUBJECT TO FURTHER DETAILED DESIGN.



DATUM RL	-1.000			
PIPE SIZE (mm), CLASS		DN150, PVC-U SN8		DN150, PVC-U SN8
GRADE (1 IN X)		149.99		149.99
LENGTH		100.000		84.231
DEPTH OF INVERT BELOW FSL	4.182	4.142	3.582	3.542	3.139
INVERT LEVEL (IL)	2.029	2.069	2.735	2.775	3.337
FINISHED FSL (& EXISTING ESL) SURFACE LEVEL	6.211	(6.211)	6.317	(6.317)	6.476	(6.476)
STRUCTURE SETOUT (EASTING & NORTHING)	E337367.029 N8170031.339		E337277.206 N8169987.388		E337201.546 N8169950.367
CHAINAGE (CH)	572.397		672.397		756.628

LINE 1

LONGITUDINAL SECTIONS

SCALE A1 - 1:1000(H) 1:100(V)
A3 - 1:2000(H) 1:200(V)

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

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STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
SEWERAGE LONGITUDINAL SECTIONS
SHEET 3 OF 8

Project No. 304701584
Scale at A1
Drawing No. 304701584-STN-02-200-DR-CI-1512
Revision C05

\\AU001-FPFS01\shared_projects\304701584\ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1512-[01]SWR-LONG.dwg
Plotted: Zaccour, Kiana, Date: 24-Feb-26 4:53:33 PM
ORIGINAL SHEET - ISO A1

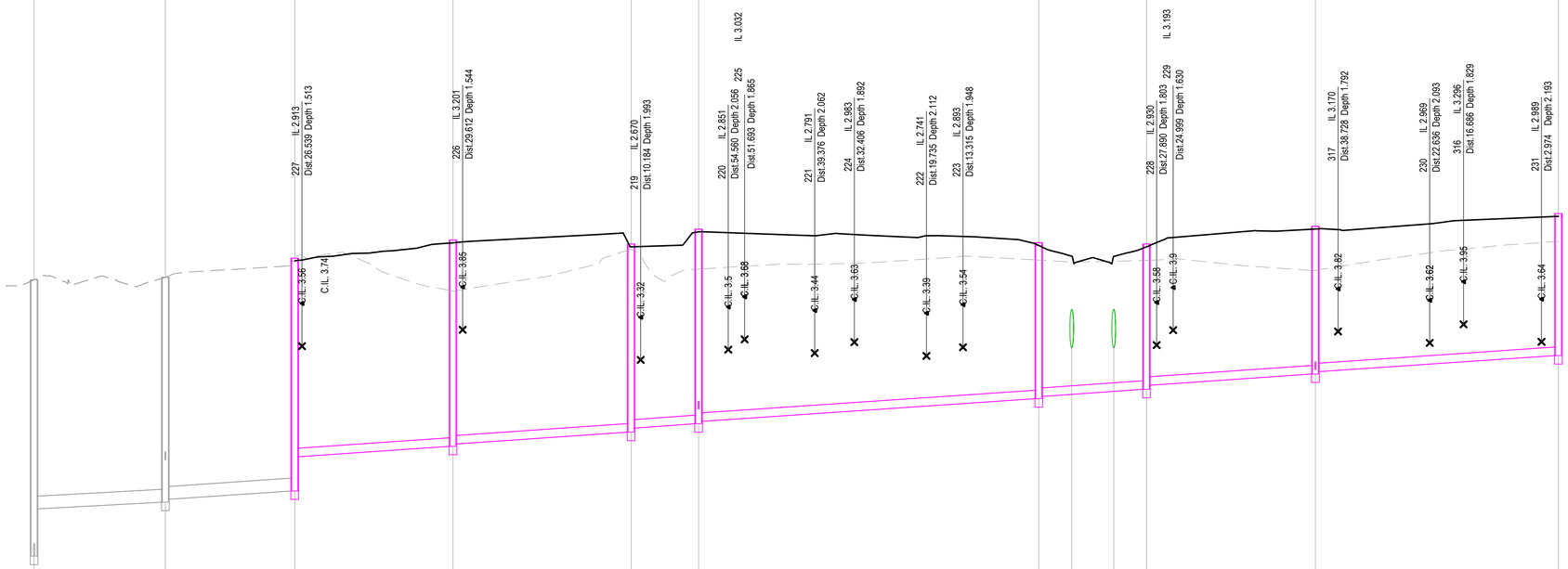
STRUCTURE NAME / No.	1/17	E1/16	1/F2	2/F2	3/F2	4/F2	5/F2	6/F2	7/F2	8/F2
FNQROC INLET TYPE & DIA	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065
COVER TYPE & AS3998 CLASS	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER
DROP JUNCTION TYPE	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA
LINE DEFLECTION & BRANCHES		-90° F4	9°	107°	-90°	F5B 90°	-2°	22°	82° F5	-9°

LEGEND:

- PIPES
- DESIGN SURFACE
- EXISTING SURFACE
- FUTURE PIPES

NOTE:

1. TO BE READ IN CONJUNCTION WITH DRAWING 304701584-STN-02-CI-1003 - 1004 GENERAL NOTES
2. LOCATIONS AND LEVELS OF FUTURE SEWER INFRASTRUCTURE PRELIMINARY ONLY AND SUBJECT TO FURTHER DETAILED DESIGN.



DATUM RL	-3.000									
PIPE SIZE (mm), CLASS	DN225, PVC-U SN8	DN225, PVC-U SN8	DN150, PVC-U SN8	DN150, PVC-U SN8	DN150, PVC-U SN8	DN150, PVC-U SN8	DN150, PVC-U SN8	DN150, PVC-U SN8	DN150, PVC-U SN8	DN150, PVC-U SN8
GRADE (1 IN X)	192.17	154.99	149.99	149.99	149.99	149.99	149.99	149.99	149.99	149.99
LENGTH	23.060	22.738	27.806	31.304	11.859	59.779	18.930	29.683	42.715	
DEPTH OF INVERT BELOW FSL	4.858 / 4.028	3.954 / 3.904	4.043 / 3.443	3.576 / 3.536	3.257 / 3.187	3.370 / 3.330	2.694 / 2.654	2.504 / 2.434	2.550 / 2.510	2.448
INVERT LEVEL (IL)	-0.780 / 0.050	0.170 / 0.220	0.367 / 0.967	1.152 / 1.192	1.401 / 1.471	1.550 / 1.590	1.988 / 2.028 / 2.066	2.118 / 2.155 / 2.225	2.422 / 2.462	2.747
FINISHED FSL (& EXISTING ESL) SURFACE LEVEL	4.078 / (4.078)	4.124 / (4.124)	4.410 / (4.410)	4.728 / (3.880)	4.658 / (4.619)	4.920 / (4.267)	4.683 / (4.426)	4.659 / (4.419)	4.972 / (4.244)	5.195 / (4.754)
STRUCTURE SETOUT (EASTING & NORTHING)	E337127.949 N8170541.801	E337114.085 N8170523.374	E337132.231 N8170509.673	E337151.363 N8170489.496	E337123.248 N8170475.730	E337128.464 N8170465.079	E337154.757 N8170411.393	E337163.750 N8170394.736	E337167.289 N8170365.265	E337126.024 N8170364.231
CHAINAGE (CH)	0.000	23.060	45.798	73.603	104.908	116.767	176.545	5.800 / 13.174	195.475	225.158	267.873

LINE F2

LONGITUDINAL SECTIONS

SCALE A1 - 1:1000(H) 1:100(V)
A3 - 1:2000(H) 1:200(V)

C01	OPERATIONAL WORKS APPROVAL	JD	JD	2026/02/24
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
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Datum
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STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
SEWERAGE LONGITUDINAL SECTIONS
SHEET 4 OF 8

Project No. 304701584
Scale at A1
Drawing No. 304701584-STN-02-200-DR-CI-1513
Revision C01

\\AU2021-PFS001\shared_projects\304701584-ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1513-[01].DWG
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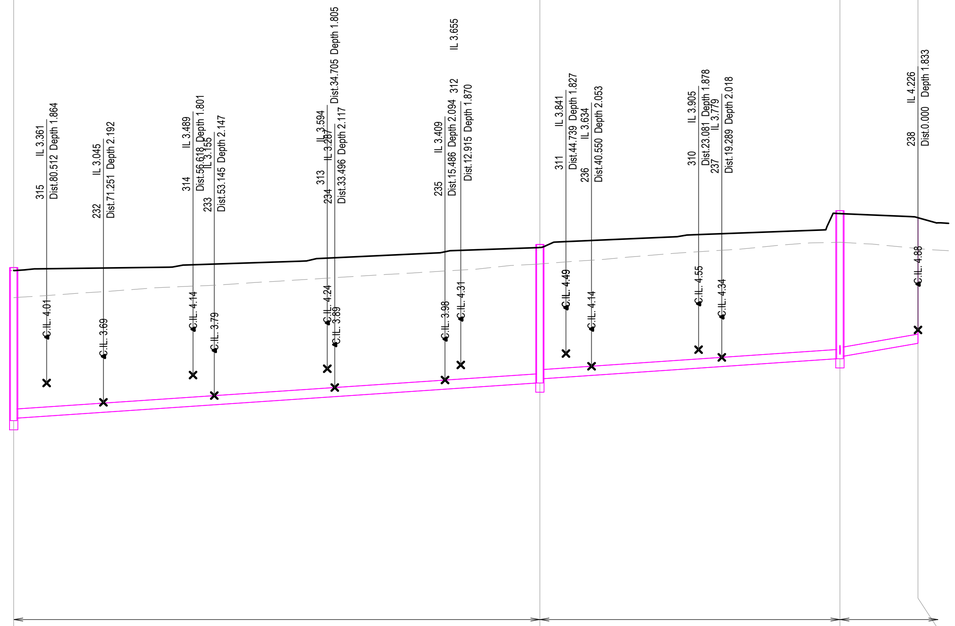
ORIGINAL SHEET - ISO A1

LINE F2

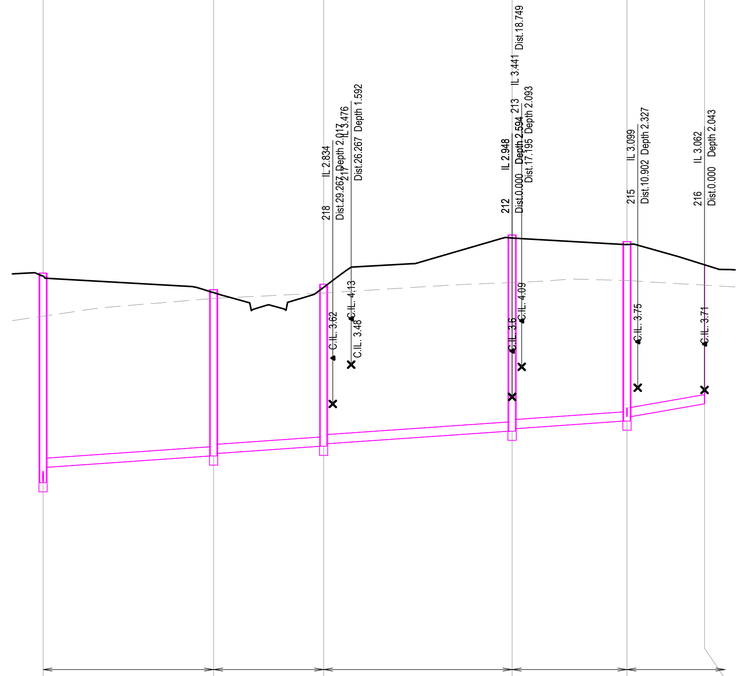
STRUCTURE NAME / No.	8/F2	9/F2	10/F2	11/F2
FNQROC INLET TYPE & DIA	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	
COVER TYPE & AS3998 CLASS	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	PIPE CONNECTION
DROP JUNCTION TYPE	1050mm DIA	1050mm DIA	1050mm DIA	
LINE DEFLECTION & BRANCHES	-9°	18°	90° F8 -91°	



DATUM RL	-1.000																	
PIPE SIZE (mm), CLASS	DN150, PVC-U SN8									DN150, PVC-U SN8						DN150, PVC-U SN8		
GRADE (1 IN X)	149.99									149.99						60		
LENGTH	85.890									48.981						12.734		
DEPTH OF INVERT BELOW FSL	2.448	2.408								2.212	2.142					2.368	2.328	2.050
INVERT LEVEL (IL)	2.747	2.787								3.360	3.430					3.756	3.796	4.009
FINISHED FSL (& EXISTING ESL) SURFACE LEVEL	5.195	(4.754)								5.572	(5.303)					6.125	(5.657)	6.058 (5.555)
STRUCTURE SETOUT (EASTING & NORTHING)	E337126.024	N8170354.231								E337047.411	N8170319.631					E336998.720	N8170314.311	E336997.227 N8170326.957
CHAINAGE (CH)	267.873									353.763						402.745		415.479

LINE F5B

STRUCTURE NAME / No.	4/F2	1/F3	2/F3	3/F3	4/F3	5/F3
FNQROC INLET TYPE & DIA	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	
COVER TYPE & AS3998 CLASS	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	PIPE CONNECTION
DROP JUNCTION TYPE	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	
LINE DEFLECTION & BRANCHES	F2	-13°	13°	-86°	-94° F6 86°	



DATUM RL	-2.000																	
PIPE SIZE (mm), CLASS	DN150, PVC-U SN8									DN150, PVC-U SN8						DN150, PVC-U SN8		
GRADE (1 IN X)	149.99									149.99						149.99		
LENGTH	27.848									17.956						30.767		
DEPTH OF INVERT BELOW FSL	3.370	3.120								2.665	2.625					2.593	2.553	3.152
INVERT LEVEL (IL)	1.550	1.800								1.986	2.026					2.145	2.185	2.390
FINISHED FSL (& EXISTING ESL) SURFACE LEVEL	4.920	(4.267)								4.650	(4.556)					4.738	(4.646)	5.543
STRUCTURE SETOUT (EASTING & NORTHING)	E337128.464	N8170465.079								E337103.454	N8170452.833					E337089.505	N8170441.525	E337061.873
CHAINAGE (CH)	0.000									27.848						45.804		76.570

DATUM RL	-2.000																	
PIPE SIZE (mm), CLASS	DN150, PVC-U SN8									DN150, PVC-U SN8						DN150, PVC-U SN8		
GRADE (1 IN X)	149.99									149.99						60		
LENGTH	18.749									12.658								
DEPTH OF INVERT BELOW FSL	3.112	2.880								2.810	2.270							
INVERT LEVEL (IL)	2.430	2.555								2.625	2.836							
FINISHED FSL (& EXISTING ESL) SURFACE LEVEL	(4.816)	5.435								(4.849)	5.106	(4.774)						
STRUCTURE SETOUT (EASTING & NORTHING)	N8170427.996	E337068.892								N8170410.610	E337080.261	N8170416.176						
CHAINAGE (CH)		95.319									107.977							

LEGEND:

- PIPES
- DESIGN SURFACE
- EXISTING SURFACE
- FUTURE PIPES

NOTE:

1. TO BE READ IN CONJUNCTION WITH DRAWING 304701584-STN-02-CI-1003 - 1004 GENERAL NOTES
2. LOCATIONS AND LEVELS OF FUTURE SEWER INFRASTRUCTURE PRELIMINARY ONLY AND SUBJECT TO FURTHER DETAILED DESIGN.

LONGITUDINAL SECTIONS

SCALE A1 - 1:1000(H) 1:100(V)
A3 - 1:2000(H) 1:200(V)

C01	OPERATIONAL WORKS APPROVAL	JD	JD	2026/02/24	
Issued/Revision		By	Appd	YYYY.MM.DD	

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STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
SEWERAGE LONGITUDINAL SECTIONS SHEET 5 OF 8

Project No. 304701584
Scale at A1

Drawing No. 304701584-STN-02-200-DR-CI-1514
Revision C01

\\AU2021-FPFS01\shared_projects\304701584-ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1513 SWR-LONG.dwg
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ORIGINAL SHEET - ISO A1

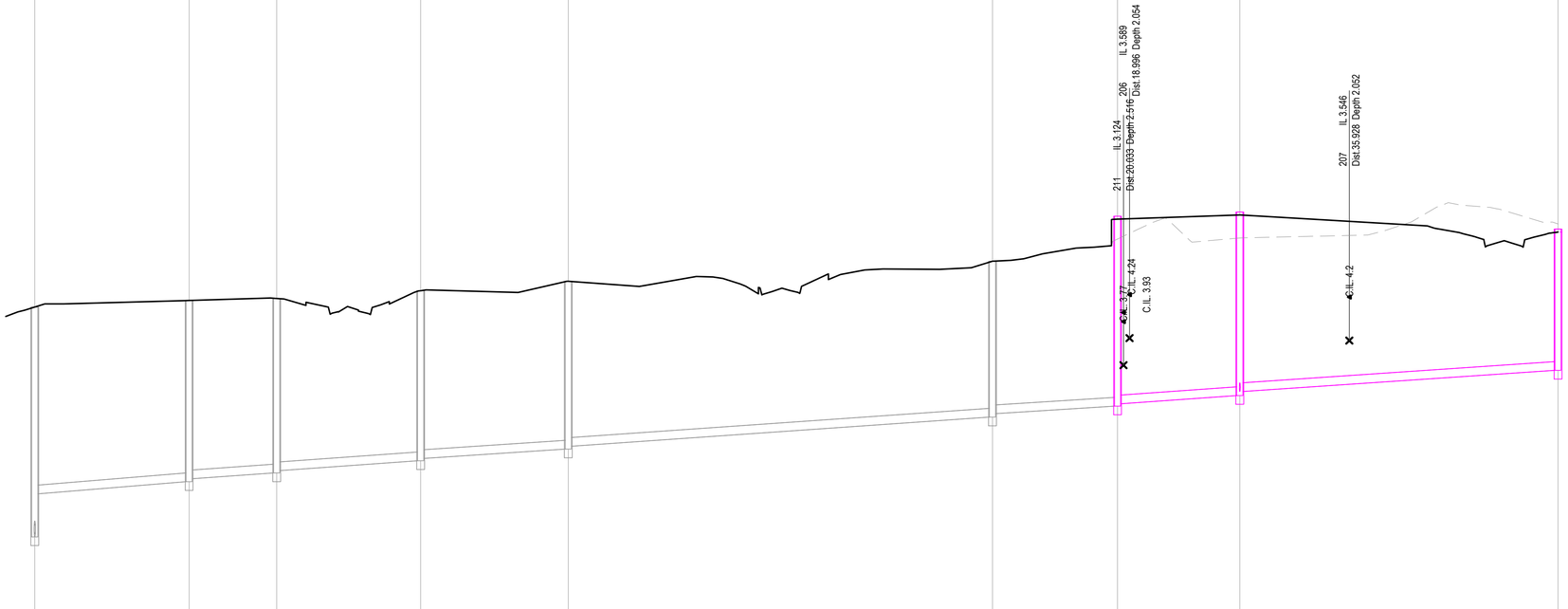
STRUCTURE NAME / No.	E1/16	E2/15	E2/14	E2/13	E2/12	2/11	1/F4	2/F4	3/F4
FNQROC INLET TYPE & DIA	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065	FNQROC STD DWG S1065
COVER TYPE & AS3998 CLASS	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER	ACCESS CHAMBER
DROP JUNCTION TYPE	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA	1050mm DIA
LINE DEFLECTION & BRANCHES	F2	1°	19°	7°		-90°	11°	98° F7 -1°	-90°

LEGEND:

- PIPES
- DESIGN SURFACE
- EXISTING SURFACE
- FUTURE PIPES

NOTE:

1. TO BE READ IN CONJUNCTION WITH DRAWING 304701584-STN-02-CI-1003 - 1004 GENERAL NOTES
2. LOCATIONS AND LEVELS OF FUTURE SEWER INFRASTRUCTURE PRELIMINARY ONLY AND SUBJECT TO FURTHER DETAILED DESIGN.



DATUM RL	-3.000									
PIPE SIZE (mm), CLASS	DN150, PVC-U SN8	DN150, PVC-U SN8	DN150, PVC-U SN8	DN150, PVC-U SN8	DN150, PVC-U SN8	DN150, PVC-U SN8	DN150, PVC-U SN8	DN150, PVC-U SN8	DN150, PVC-U SN8	
GRADE (1 IN X)	126.52	150.76	145.84	158.91	146.07	165.66	150	149.99		
LENGTH	26.570	15.076	24.793	25.425	73.036	21.536	21.053	54.790		
DEPTH OF INVERT BELOW FSL	3.954	3.214	3.117	3.067	3.002	2.962	2.925	2.885	2.886	2.836	2.683	2.623	3.216	3.176	3.108	3.038	2.378	
INVERT LEVEL (IL)	0.170	0.910	1.120	1.170	1.270	1.310	1.480	1.520	1.680	1.730	2.230	2.290	2.420	2.460	2.600	2.670	3.036	
FINISHED FSL (& EXISTING ESL) SURFACE LEVEL	4.124	(4.124)	4.237	(4.237)	4.272	(4.272)	4.405	(4.405)	4.566	(4.566)	4.913	(4.913)	5.636	(5.294)	5.709	(5.311)	5.414	(5.555)
STRUCTURE SETOUT (EASTING & NORTHING)	E337114.085	N8170523.374	E337098.212	N8170502.067	E337088.981	N8170490.147	E337068.351	N8170476.396	E337045.542	N8170465.164	E336980.023	N8170432.891	E336989.512	N8170413.558	E336995.085	N8170393.257	E336940.741	N8170386.279
CHAINAGE (CH)	-91.863		-65.294		-50.217		-25.425		0.000		73.036		94.572		115.625		170.415	

LINE F4

LONGITUDINAL SECTIONS

SCALE A1 - 1:1000(H) 1:100(V)
A3 - 1:2000(H) 1:200(V)

Issued/Revision				
C01	OPERATIONAL WORKS APPROVAL	JD	JD	2026/02/24
		By	Appd	YYYY.MM.DD

Issue Status
S4
SUITABLE FOR STAGE APPROVAL

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Coordinate System
MGA/YY-Zone
Datum
mAHD

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NEW PORT ESTATE
PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
SEWERAGE LONGITUDINAL SECTIONS
SHEET 6 OF 8

Project No. 304701584
Scale at A1
Drawing No. 304701584-STN-02-200-DR-CI-1515
Revision C01

\\AU2021-FPFS01\shared_projects\304701584\ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1510-1513.SWR-LONG.dwg
Plotted: Zaccour, Kiana, Date: 24-Feb-26 4:14:07 PM

ORIGINAL SHEET - ISO A1

LINE F4

STRUCTURE NAME / No.	3/F4		4/F4		5/F4	6/F4
FNQROC INLET TYPE & DIA.	FNQROC STD DWG S1065		FNQROC STD DWG S1065		FNQROC STD DWG S1065	
COVER TYPE & AS3998 CLASS	ACCESS CHAMBER		ACCESS CHAMBER		ACCESS CHAMBER	
DROP JUNCTION TYPE	1050mm DIA		1050mm DIA		1050mm DIA	
LINE DEFLECTION & BRANCHES	-90°		1°			
DATUM RL	-1.000					
PIPE SIZE (mm), CLASS	DN150, PVC-U SN8			DN150, PVC-U SN8	DN150, PVC-U SN8	
GRADE (1 IN X)	149.99			60	59.88	
LENGTH	80.242			35.321	2.279	
DEPTH OF INVERT BELOW FSL	2.378	2.338	2.323	2.283	1.893	1.853 1.844
INVERT LEVEL (IL)	3.036	3.076	3.611	3.651	4.239	4.279 4.317
FINISHED FSL (& EXISTING ESL) SURFACE LEVEL	5.414	(5.555)	5.933	(5.830)	6.132	(5.974) 6.162 (5.989)
STRUCTURE SETOUT (EASTING & NORTHING)	E336940.741 N8170386.279		E336951.021 N8170306.698		E336955.212 N8170269.364	
CHAINAGE (CH)	170.415		250.657		285.977	288.257

LINE F5

STRUCTURE NAME / No.	7/F2	1/F5
FNQROC INLET TYPE & DIA.	FNQROC STD DWG S1065	
COVER TYPE & AS3998 CLASS	ACCESS CHAMBER	PIPE CONNECTION
DROP JUNCTION TYPE	1050mm DIA	
LINE DEFLECTION & BRANCHES	F2	
DATUM RL	-2.000	
PIPE SIZE (mm), CLASS	DN150, PVC-U SN8	
GRADE (1 IN X)	60	
LENGTH	9.990	
DEPTH OF INVERT BELOW FSL	2.550	2.480 2.362
INVERT LEVEL (IL)	2.422	2.492 2.659
FINISHED FSL (& EXISTING ESL) SURFACE LEVEL	4.972	(4.244) 5.021 (4.287)
STRUCTURE SETOUT (EASTING & NORTHING)	E337167.289 N8170365.265	E337168.480 N8170355.346
CHAINAGE (CH)	0.000	9.990

LINE F6

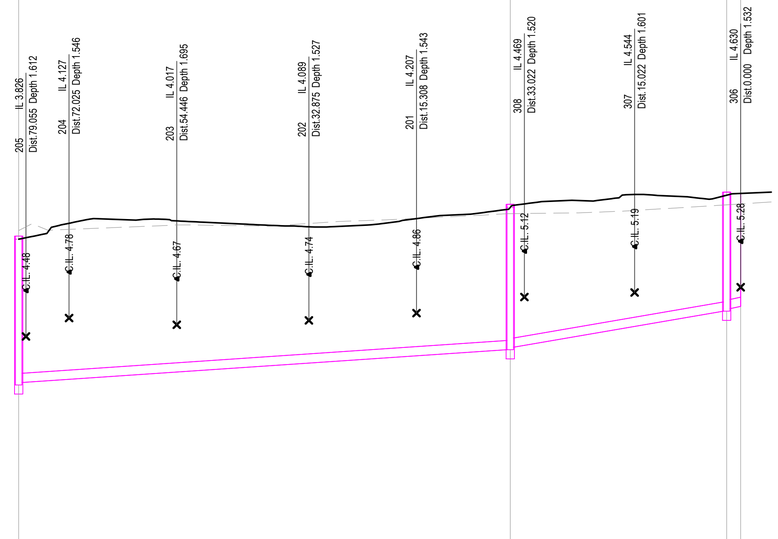
STRUCTURE NAME / No.	4/F3	1/F6
FNQROC INLET TYPE & DIA.	FNQROC STD DWG S1065	
COVER TYPE & AS3998 CLASS	ACCESS CHAMBER	PIPE CONNECTION
DROP JUNCTION TYPE	1050mm DIA	
LINE DEFLECTION & BRANCHES	F5B	
DATUM RL	-2.000	
PIPE SIZE (mm), CLASS	DN150, PVC-U SN8	
GRADE (1 IN X)	60	
LENGTH	11.821	
DEPTH OF INVERT BELOW FSL	2.880	2.810 2.514
INVERT LEVEL (IL)	2.555	2.625 2.822
FINISHED FSL (& EXISTING ESL) SURFACE LEVEL	5.435	(4.849) 5.336 (4.924)
STRUCTURE SETOUT (EASTING & NORTHING)	E337068.892 N8170410.610	E337058.276 N8170405.412
CHAINAGE (CH)	0.000	11.821

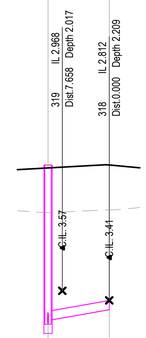
LEGEND:
LEGEND:

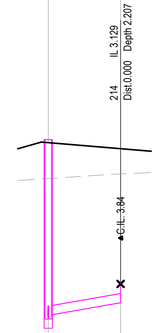
- PIPES
- DESIGN SURFACE
- EXISTING SURFACE
- FUTURE PIPES

NOTE:

1. TO BE READ IN CONJUNCTION WITH DRAWING 304701584-STN-02-CI-1003 - 1004 GENERAL NOTES
2. LOCATIONS AND LEVELS OF FUTURE SEWER INFRASTRUCTURE PRELIMINARY ONLY AND SUBJECT TO FURTHER DETAILED DESIGN.







LONGITUDINAL SECTIONS

SCALE A1 - 1:1000(H) 1:100(V)
A3 - 1:2000(H) 1:200(V)

C01	OPERATIONAL WORKS APPROVAL	JD	JD	2026/02/24		
Issued/Revision		By	Appd	YYYY.MM.DD		

Issue Status
S4
SUITABLE FOR STAGE APPROVAL

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Client/Project Logo
NEW PORT ESTATE
PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
SEWERAGE LONGITUDINAL SECTIONS
SHEET 7 OF 8

Project No. 304701584
Scale at A1
Drawing No. 304701584-STN-02-200-DR-CI-1516
Revision C01

\\AU2021-FPFS01\shared_projects\304701584\ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1510-1513.SWR-LONG.dwg
Plotted: Zaccour, Kiana, Date: 24-Feb-26 4:19:23 PM
ORIGINAL SHEET - ISO A1

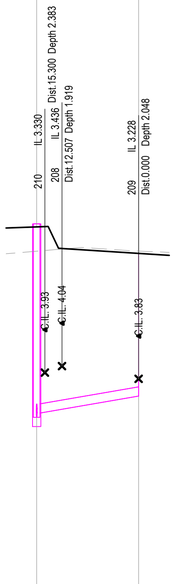
STRUCTURE NAME / No.	2/F4	1/F7
FNQROC INLET TYPE & DIA. FNQROC STD DWG S1065		
COVER TYPE & AS3998 CLASS ACCESS CHAMBER	PIPE CONNECTION	
DROP JUNCTION TYPE 1050mm DIA		
LINE DEFLECTION & BRANCHES	F4	

LEGEND:

- PIPES
- DESIGN SURFACE
- EXISTING SURFACE
- FUTURE PIPES

NOTE:

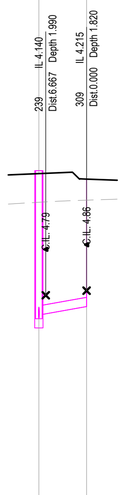
1. TO BE READ IN CONJUNCTION WITH DRAWING 304701584-STN-02-CI-1003 - 1004 GENERAL NOTES
2. LOCATIONS AND LEVELS OF FUTURE SEWER INFRASTRUCTURE PRELIMINARY ONLY AND SUBJECT TO FURTHER DETAILED DESIGN.



DATUM RL		-2.000	
PIPE SIZE (mm), CLASS		DN150, PVC-U SN8	
GRADE (1 IN X)		60	
LENGTH		16.625	
DEPTH OF INVERT BELOW FSL	3.108	3.038	2.328
INVERT LEVEL (IL)	2.600	2.670	2.947
FINISHED FSL (& EXISTING ESL) SURFACE LEVEL	5.709	(5.311)	5.275 (5.312)
STRUCTURE SETOUT (EASTING & NORTHING)	E336995.085 N8170393.257		E336999.789 N8170377.311
CHAINAGE (CH)	0.000		16.625

LINE F7

STRUCTURE NAME / No.	10/F2	1/F8
FNQROC INLET TYPE & DIA. FNQROC STD DWG S1065		
COVER TYPE & AS3998 CLASS ACCESS CHAMBER	PIPE CONNECTION	
DROP JUNCTION TYPE 1050mm DIA		
LINE DEFLECTION & BRANCHES	F2	



DATUM RL		-1.000	
PIPE SIZE (mm), CLASS		DN150, PVC-U SN8	
GRADE (1 IN X)		60	
LENGTH		7.782	
DEPTH OF INVERT BELOW FSL	2.368	2.298	2.079
INVERT LEVEL (IL)	3.756	3.826	3.956
FINISHED FSL (& EXISTING ESL) SURFACE LEVEL	6.125	(5.657)	6.035 (5.691)
STRUCTURE SETOUT (EASTING & NORTHING)	E336998.720 N8170314.311		E336999.658 N8170306.585
CHAINAGE (CH)	0.000		7.782

LINE F8

LONGITUDINAL SECTIONS

SCALE A1 - 1:1000(H) 1:100(V)
A3 - 1:2000(H) 1:200(V)

C01	OPERATIONAL WORKS APPROVAL	JD	JD	2026/02/24
Issued/Revision		By	Appd	YYYY.MM.DD

Issue Status
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PORT DOUGLAS

Client/Project
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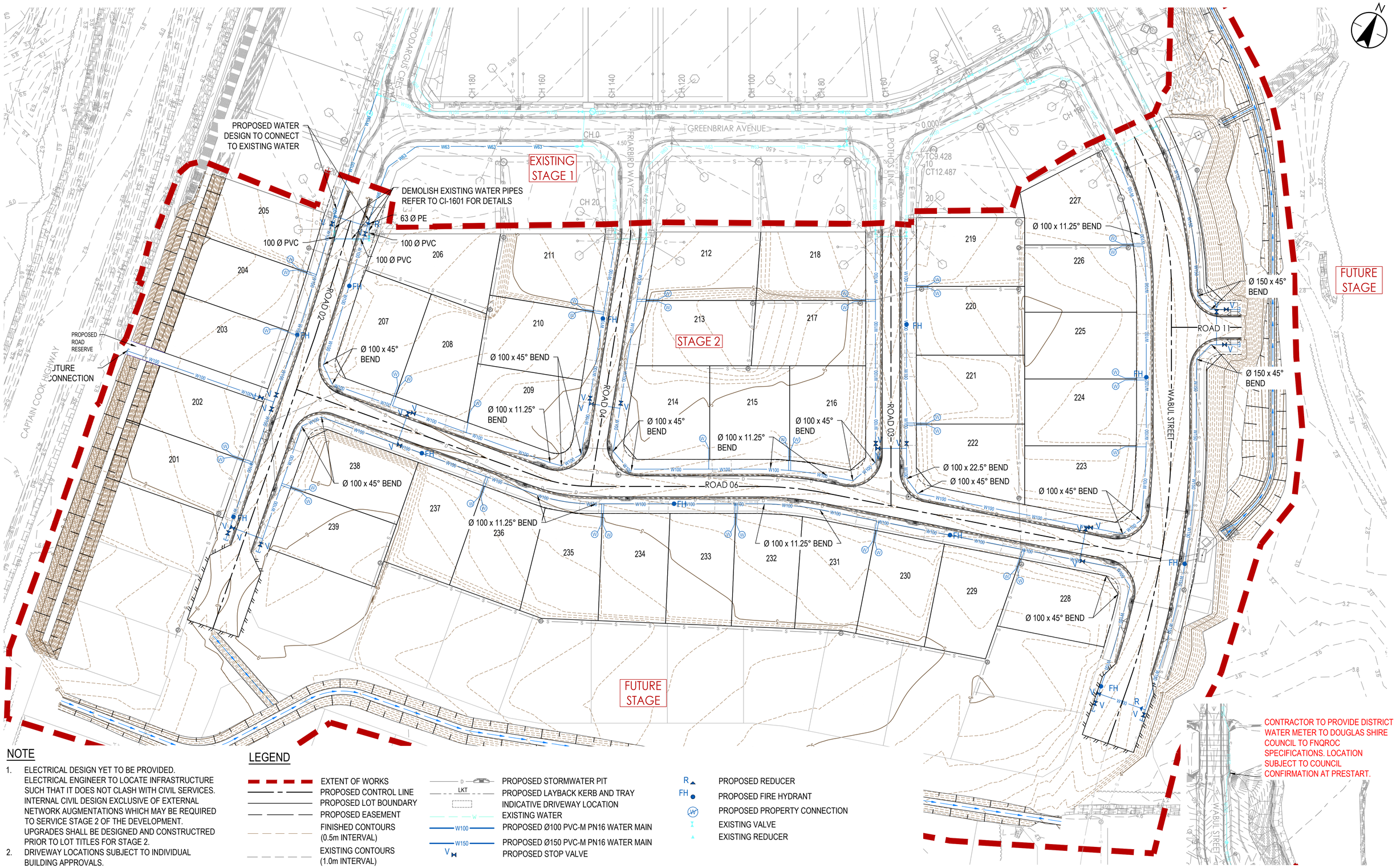
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
SEWERAGE LONGITUDINAL SECTIONS
SHEET 8 OF 8

Project No. 304701584
Scale at A1
Drawing No. 304701584-STN-02-200-DR-CI-1517
Revision C01

\\AU2021-PFS001\shared_projects\304701584-ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1510-1513.SWR-LONG.dwg
Plotted: Zaccour, Kiana, Date: 24-Feb-26 4:16:53 PM
ORIGINAL SHEET - ISO A1



NOTE

1. ELECTRICAL DESIGN YET TO BE PROVIDED. ELECTRICAL ENGINEER TO LOCATE INFRASTRUCTURE SUCH THAT IT DOES NOT CLASH WITH CIVIL SERVICES. INTERNAL CIVIL DESIGN EXCLUSIVE OF EXTERNAL NETWORK AUGMENTATIONS WHICH MAY BE REQUIRED TO SERVICE STAGE 2 OF THE DEVELOPMENT. UPGRADES SHALL BE DESIGNED AND CONSTRUCTRED PRIOR TO LOT TITLES FOR STAGE 2.
2. DRIVEWAY LOCATIONS SUBJECT TO INDIVIDUAL BUILDING APPROVALS.

LEGEND

- EXTENT OF WORKS
- PROPOSED CONTROL LINE
- PROPOSED LOT BOUNDARY
- PROPOSED EASEMENT
- FINISHED CONTOURS (0.5m INTERVAL)
- EXISTING CONTOURS (1.0m INTERVAL)
- PROPOSED STORMWATER PIT
- PROPOSED LAYBACK KERB AND TRAY
- INDICATIVE DRIVEWAY LOCATION
- EXISTING WATER
- PROPOSED Ø100 PVC-M PN16 WATER MAIN
- PROPOSED Ø150 PVC-M PN16 WATER MAIN
- PROPOSED STOP VALVE
- PROPOSED REDUCER
- PROPOSED FIRE HYDRANT
- PROPOSED PROPERTY CONNECTION
- EXISTING VALVE
- EXISTING REDUCER

0 10 20 30 40 50m
SCALE 1:500 @A1

C05	REISSUED FOR OP WORKS APPROVAL	JD	JD	2026/02/24
C04	OPERATIONAL WORKS APPROVAL	LN	MB	2025/06/17
C03	ISSUE FOR INTERNAL REVIEW	LN	JD	2025/04/10
C02	PRELIMINARY DESIGN ISSUE (60%)	LN	JD	2025/03/07
Issued/Revision		By	Appd	YYYY.MM.DD

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PORT DOUGLAS

Client/Project
PORT DOUGLAS LAND DEV PTY LTD
NEW PORT ESTATE
STAGE 2 - CIVIL WORKS
CAPTAIN COOK HIGHWAY, CRAIGLIE

FMZ	JD	JD	JD	2026/02/24
Dwn.	Dsgn.	Chkd.	Appd.	YYYY.MM.DD

Title
WATER RETICULATION PLAN

Project No. 304701584
Scale at A1 1:500
Drawing No. 304701584-STN-02-200-DR-CI-1602
Revision C05

\\AU203-PFPSS01\Urbanest_projects\304701584\ACC project files\01_WIP_CI\200_Stage 2\Drawings\304701584-STN-02-200-DR-CI-1602 WATER PLAN.dwg
Plotted: Jacqui Hore Date: 24-Feb-26 4:14:42 PM
ORIGINAL SHEET - ISO A1

DATE PLOTTED: 6 February 2026 9:56 AM BY : NEIL BROWNING

GENERAL

1. THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH ALL OTHER CONSULTANTS' DRAWINGS AND SPECIFICATIONS AND WITH SUCH OTHER WRITTEN INSTRUCTIONS AS MAY BE ISSUED DURING THE COURSE OF THE CONTRACT.
2. THE INFORMATION CONTAINED ON THESE DRAWINGS IS FOR STRUCTURAL ENGINEERING PURPOSES ONLY. ALL DISCREPANCIES THAT COULD RESULT IN CHANGES TO THE STRUCTURAL DETAILS SHALL BE REFERRED TO THE ENGINEER PRIOR TO PROCEEDING WITH CONSTRUCTION.
   IF IN DOUBT - ASK.
3. CONSTRUCTION FROM THESE DRAWINGS AND ASSOCIATED CONSULTANTS' DRAWINGS SHALL NOT COMMENCE UNTIL APPROVED BY THE LOCAL AUTHORITIES.
4. ALL MATERIALS AND WORKMANSHIP SHALL BE IN ACCORDANCE WITH THE RELEVANT AND CURRENT AUSTRALIAN STANDARDS AND WITH THE BY-LAWS AND ORDINANCES OF THE RELEVANT BUILDING AUTHORITIES AND THE NCC EXCEPT WHERE VARIED BY THE PROJECT SPECIFICATION.
5. ALL DIMENSIONS SHOWN SHALL BE VERIFIED BY THE CONTRACTOR ON SITE. ENGINEERS' DRAWINGS SHALL NOT BE SCALED FOR DIMENSIONS.
6. DURING CONSTRUCTION THE STRUCTURE SHALL BE MAINTAINED IN A STABLE CONDITION AND NO PART SHALL BE OVERSTRESSED. TEMPORARY BRACING SHALL BE PROVIDED BY THE CONTRACTOR TO KEEP WORKS AND EXCAVATIONS STABLE AT ALL TIMES.
7. UNLESS NOTED OTHERWISE ALL LEVELS ARE IN METRES AND ALL DIMENSIONS ARE IN MILLIMETRES.
8. ALL WORKS TO BE CONSTRUCTED IN ACCORDANCE WITH FNQROC.

DESIGN CRITERIA

1. THE STRUCTURAL COMPONENTS DETAILED ON THESE DRAWINGS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE RELEVANT AUSTRALIAN STANDARDS AND LOCAL GOVERNMENT ORDINANCES FOR THE FOLLOWING DESIGN CRITERIA :
2. WIND
   WIND LOADS ARE IN ACCORDANCE WITH AS1170.2 AS FOLLOWS:
   DESIGN WIND VELOCITY (V_{des}) ..... 61 m/s
   REGION C
   WIND CLASSIFICATION C2
   TERRAIN CATERGORY 2
   BCA STRUCTURE IMPORTANCE LEVEL 2
3. CONCRETE ELEMENTS HAVE BEEN DESIGNED FOR THE FOLLOWING DURABILITY EXPOSURE TO AS 3600 (B1 EXPOSURE U.N.O.)
   EXTERNAL B1
   FOOTINGS B1
4. FOOTINGS
   ASSUMED 100 kPa ALLOWABLE BEARING PRESSURE AND 25 kPa SKIN FRICTION.
   CONTRACTOR SHALL CONFIRM ON SITE.
5. RETAINING WALLS
   FOOTINGS HAVE BEEN DESIGNED FOR AN ALLOWABLE BEARING INTENSITY OF 100 kPa.
   SURCHARGE LOAD ..... 5 KPa
   ACTIVE PRESSURE COEFFICIENT (Ka) 0.35
   PASSIVE PRESSURE COEFFICIENT (Kp) 2.5
6. VEHICLES
   VEHICLE LOAD ..... 8 TONNE AXLE
   REPETITIONS ..... UNLIMITED.

SAFETY IN DESIGN

1. CONSTRUCTION WORK UNDERTAKEN BY THE BUILDER/CONTRACTOR IS TO COMPLY WITH THE REQUIREMENTS OF THE WORK PLACE HEALTH AND SAFETY ACT.
2. CONSTRUCTION ACTIVITY CAN BE HAZARDOUS. POTENTIAL SAFETY HAZARDS CONSIDERED BY THE DESIGNERS TO HAVE A HIGHER RISK THAN NORMAL CONSTRUCTION ACTIVITY ARE 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. SAFETY PLANS ARE TO BE PREPARED IN COMPLIANCE WITH THE STATUTORY REQUIREMENTS. 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 ONLY LOW LEVEL RISKS OR HAZARDS INVOLVED IN THIS PROJECT. APPROPRIATE WORK METHOD STATEMENTS ARE TO BE PREPARED FOR ANY HIGH RISK ACTIVITY BY THE CONTRACTOR. THE DESIGNERS ARE AVAILABLE TO BE CONSULTED WHEN REQUIRED CONCERNING THEIR AREA OF CONTROL WITH REGARD TO SAFETY PLANS.
3. PRIOR TO FABRICATION OF STEELWORK THE CONTRACTOR SHALL AGREE WITH THE ENGINEER ON AREAS OF RISK WHICH HAVE BEEN ADDRESSED BY THE DESIGN WHERE POSSIBLE AND AGREE ON SUITABLE CONSTRUCTION PROCEDURES WHERE AREAS OF RISK STILL EXIST.
4. PRIOR TO ANY FABRICATION THE CONTRACTOR SHALL HAVE COMPLETED A RISK ASSESSMENT OF ALL CONSTRUCTION PROCEDURES AND ENSURED THAT WHERE POSSIBLE, ALL RISKS HAVE BEEN ELIMINATED AND WHERE NOT POSSIBLE THEIR SAFETY PLAN HAS ADDRESSED THOSE ISSUES AND IT HAS BEEN FORMULATED AND DOCUMENTED FOR STRICT ADHERENCE DURING THE CONSTRUCTION WORKS.
5. PRIOR TO THE USE OF THE PROJECT AS DESIGNED, THE OWNER SHALL HAVE COMPLETED A RISK ASSESSMENT OF ALL WORK PRACTICES AND ENSURED THAT WHERE POSSIBLE ALL RISKS HAVE BEEN ELIMINATED AND WHERE NOT POSSIBLE THEIR SAFETY PLAN HAS ADDRESSED THOSE ISSUES AND IT HAS BEEN FORMULATED AND DOCUMENTED FOR STRICT ADHERENCE AFTER COMMISSIONING.

FOOTING NOTES

1. THE BUILDER SHALL ALLOW TO ENGAGE AN APPROVED GEOTECHNICAL ENGINEER IN ACCORDANCE WITH THE EARTHWORKS AND THE BORED PIER SECTIONS OF THE SPECIFICATIONS TO CARRY OUT ALL INSPECTIONS AND TESTING TO CERTIFY THAT THE FOUNDING MATERIAL FOR HIGH LEVEL FOOTINGS AND OR THE CAPACITY OF BORED PIERS COMPLIES WITH THAT NOMINATED IN THE DOCUMENTATION. THE CERTIFICATION IS TO BE SIGNED BY A REGISTERED PROFESSIONAL ENGINEER OF QUEENSLAND.
2. THE SLAB HAS BEEN DESIGNED AS A 'S' SITE CLASSIFICATION IN ACCORDANCE WITH AS2870. THE ENGINEER SHALL BE CONTACTED IF THE SITE CONDITIONS VARY.
3. AN ALLOWABLE BEARING PRESSURE FOR HIGH LEVEL FOOTINGS OF 100 KPa HAS BEEN ASSUMED IN THE DESIGN OF THE FOOTINGS. FOR BORED PIERS AN ULTIMATE END BEARING PRESSURE OF 100 kPa AND SKIN FRICTION OF 25 kPa HAS BEEN ASSUMED IN THE DESIGN OF THE FOOTINGS.
4. WHERE REQUIRED FOUNDING MATERIAL IS DEEPER THAN THE UNDERSIDE OF THE HIGH LEVEL FOOTINGS AS DETAILED ALLOW TO BACKFILL ADDITIONAL EXCAVATION WITH N20 CONCRETE.
5. WHERE EXCAVATION WORK IS TO BE CARRIED OUT ADJACENT TO EXISTING FOOTINGS THE EXACT LEVEL OF THE UNDERSIDE OF THE FOOTINGS SHALL BE DETERMINED BY TEST PITS PRIOR TO EXCAVATION. UNDERPINNING SHALL BE CARRIED OUT AS DETAILED OR REQUIRED BY THE STRUCTURAL ENGINEER
6. ALL FOOTING EXCAVATIONS SHALL BE FORMED AS NECESSARY WHEN EXCAVATED FACE IS NOT STABLE, DEWATERED AND CLEANED OF LOOSE AND SOFT MATERIAL PRIOR TO PLACING CONCRETE.
7. ALL WALLS AND COLUMNS SHALL BE CONCENTRIC WITH SUPPORTING FOOTINGS UNLESS NOTED OTHERWISE ON THE DRAWINGS.

CONCRETE

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH CURRENT EDITIONS OF AS 1379, AS 3600 AND AS3610 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS.
2. CONCRETE STRENGTH GRADE FOR PARTICULAR ELEMENTS SHALL BE AS NOTED ON THE DRAWINGS.
3. SIZE OF ELEMENTS IS EXCLUSIVE OF APPLIED FINISHES. BEAMS DEPTHS INCLUDE SLAB THICKNESS AND ARE THE FIRST DIMENSION SPECIFIED, FOLLOWED BY WIDTH. UNLESS NOTED OTHERWISE ALL FORMED EDGES AND CORNERS OF CONCRETE MEMBERS SHALL HAVE 20mm CHAMFERS.
4. CONSTRUCTION JOINTS SHALL BE MADE ONLY AT APPROVED LOCATIONS, AND, IN BEAMS AND SLABS SHALL BE CONSTRUCTED WITH A SHEAR KEY TO ENGINEER'S DETAIL U.N.O. SURFACES OF CONCRETE AT ALL JOINTS SHALL BE THOROUGHLY MECHANICALLY SCABBLED, FULLY EXPOSING THE AGGREGATE MIX, UNLESS OTHERWISE NOTED.
5. ALL REINFORCEMENT SHALL BE TO AS/NZS 4671 AND REINFORCEMENT GRADE IS DESIGNATED AS FOLLOWS:
   R: PLAIN ROUND BAR, GRADE 250
   N: DEFORMED BAR, GRADE 500
   SL/RL: WIRE REINFORCING FABRIC GRADE 500
6. REINFORCEMENT SHALL BE BENT COLD IN ACCORDANCE WITH AS3600 EXCEPT WHERE APPROVED BY THE STRUCTURAL ENGINEER. NO REBENDING SHALL BE PERMITTED.
7. DO NOT CUT REINFORCEMENT ON SITE TO CLEAR PENETRATIONS. DISPLACE REINFORCEMENT SLIGHTLY AS NECESSARY TO CLEAR BLOCKOUTS.
8. CONCRETE COVER AND LAPS TO REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS.
9. APPLY EVAPORATION RETARDER AND CURE ALL CONCRETE IN ACCORDANCE WITH THE CONCRETE SPECIFICATIONS.
10. FORMWORK SHALL REMAIN UNDISTURBED FOR THE MINIMUM STRIPPING TIMES SPECIFIED IN AS3610, UNLESS OTHERWISE APPROVED.

TABLE 1 - CONCRETE QUALITY

ELEMENT	STRENGTH GRADE	SLUMP (mm)	MAX. AGGREGATE SIZE (mm)
FOOTINGS	N32	80 ± 15	20
EXT SLAB ON GROUND	N40	80 ± 15	20
BLINDING	N7	80 ± 15	

TABLE 2 - CLEAR COVER TO REINFORCEMENT. (UNO)

ELEMENT	TOP (mm)	BOTTOM (mm)	SIDE (mm)
FOOTINGS	50	50	50
EXT SLAB ON GROUND	50	50	50

REINFORCEMENT

1. ALL REINFORCING BARS SHALL BE GRADE D500N TO AS4671 UNLESS NOTED OTHERWISE. IT SHALL BE CUT AND BENT IN ACCORDANCE WITH AS3600. ACCEPTABLE MANUFACTURERS AND PROCESSORS OF STEEL REINFORCEMENT MUST HOLD A VALID CERTIFICATE OF APPROVAL, ISSUED BY THE AUSTRALIAN CERTIFICATION AUTHORITY FOR REINFORCING STEELS (ACRS), OR TO SUCH AN EQUIVALENT CERTIFICATION SYSTEM AS MAY BE APPROVED IN WRITING BY THE SPECIFIER. EVIDENCE OF COMPLIANCE WITH THIS CLAUSE MUST BE OBTAINED WHEN CONTRACT BIDS ARE RECEIVED. ALL MESH SHALL BE GRADE 500L TO AS4671 AND SHALL BE SUPPLIED IN FLAT SHEETS.
   THE FIGURES FOLLOWING THE FABRIC SYMBOLS RL, SL, L ,TM IS THE REFERENCE NUMBER FOR FABRIC TO AS4671.
2. REINFORCEMENT IS REPRESENTED DIAGRAMMATICALLY AND NOT NECESSARILY IN TRUE PROJECTION.
   REINFORCEMENT ABBREVIATIONS:
   EF ..... EACH FACE
   NF ..... NEAR FACE
   FF ..... FAR FACE
   EW ..... EACH WAY
   T OR TOP ..... TOP
   B OR BTM ..... BOTTOM
   HORIZ ..... HORIZONTAL
   VERT ..... VERTICAL
3. SPLICES IN REINFORCEMENT SHALL BE MADE ONLY IN POSITIONS SHOWN OR OTHERWISE APPROVED IN WRITING BY THE ENGINEER. LAPS SHALL BE IN ACCORDANCE WITH AS 3600 AND NOT LESS THAN THE DEVELOPMENT LENGTH FOR EACH BAR, AS SHOWN IN THE TABLE BELOW.

TABLE 6 - LAP SCHEDULE

BAR DIA.	LENGTH (mm)	BAR DIA.	LENGTH (mm)
R6	300	N20	800
R10	400	N24	1000
N12	500	N28	1800
N16	600	N32	2200

4. WELDING OF REINFORCEMENT SHALL NOT BE PERMITTED UNLESS SHOWN ON THE STRUCTURAL DRAWINGS OR APPROVED BY THE ENGINEER. WHERE APPROVED, WELDING MUST COMPLY WITH AS1554.3 STANDARD STEEL WELDING, PART 3 : WELDING OF REINFORCING STEEL. NO WELDING IS ALLOWED WITHIN 120mm OF BENDS.
5. FABRIC SHALL BE LAPPED TWO TRANSVERSE WIRES PLUS 25mm. BUNDLED BARS SHALL BE TIED TOGETHER AT 30 BAR DIAMETER CENTRES WITH 3 WRAPS OF THE WIRE.
6. WHERE TRANSVERSE TIE BARS ARE NOT SHOWN PROVIDE N12-300 SPLICED WHERE NECESSARY AND LAP WITH MAIN BARS 400 mm UNLESS NOTED
7. JOGGLES TO BARS SHALL COMPRISE A LENGTH OF 12 BAR DIAMETERS BETWEEN BEGINNING AND END OF AN OFFSET OF 1 BAR DIAMETER.
8. ALL REINFORCEMENT SHALL BE FIRMLY SUPPORTED ON MILD STEEL PLASTIC TIPPED CHAIRS, PLASTIC CHAIRS OR CONCRETE CHAIRS AT NOT GREATER THAN 1 METRE CENTRES BOTH WAYS, AND 800 EACH WAY FOR FABRIC. WHEN POURED ON GROUND AS FORMWORK PROVIDE PLATES UNDER ALL BAR CHAIRS. PLASTIC TIPPED STEEL CHAIRS SHALL NOT BE USED ON EXPOSED FACES IN EXPOSURE CLASSIFICATION B1, B2 AND C ONLY PLASTIC OR CONCRETE CHAIRS.
9. SITE BENDING OF REINFORCEMENT SHALL BE AVOIDED IF POSSIBLE. WHERE SITE BENDING IS UNAVOIDABLE IT SHALL BE CARRIED OUT COLD, WITHOUT THE APPLICATION OF HEAT, AND IN ACCORDANCE WITH THE PRACTICE NOTE RPN1 OF THE STEEL REINFORCEMENT INSTITUTE OF AUSTRALIA. REINFORCEMENT SHALL NOT BE REBENT WITHOUT APPROVAL OF THE SUPERINTENDENT.
10. THE STRUCTURAL ENGINEER SHALL BE GIVEN 48 HOURS NOTICE FOR REINFORCEMENT INSPECTION AND CONCRETE SHALL NOT BE DELIVERED UNTIL FINAL APPROVAL HAS BEEN OBTAINED FROM THE STRUCTURAL ENGINEER.

STRUCTURAL STEELWORK

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH CURRENT EDITIONS OF AS4100, AS/NZS 1554 - 1 AND 2 AND AS4600 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS. REFER ALSO TO THE STRUCTURAL STEELWORK SECTION OF THE SPECIFICATIONS.
2. ALL STEEL SHALL COMPLY WITH THE FOLLOWING U.N.O. :
   - WELDED SECTION - GRADE 300 TO AS/NZS 3678.2
   - ROLLED SECTION - GRADE 300 TO AS/NZS 3679.2
   - SHS AND RHS - GRADE 350/GRADE 450 TO AS 1163
   - CHS - GRADE 250/GRADE 350 TO AS 1163
   - FLAT PLATE - GRADE 300 TO AS/NZS 3679.2
   - STANDARD PLATE - GRADE 250 TO AS/NZS 367
3. THE CONTRACTOR SHALL UNLESS SPECIFIED ELSEWHERE:
   (a) PROVIDE AND EMPLOY ANY ADDITIONAL TEMPORARY BRACING ETC. NECESSARY TO ADEQUATELY HOLD STEELWORK IN POSITION DURING CONSTRUCTION. CARRY OUT ERECTION OF STEELWORK IN ACCORDANCE WITH AS3828 GUIDELINES FOR THE ERECTION OF BUILDING STEELWORK.
   (b) PROVIDE ALL PACKS, CLEATS, BOLTS (INCL. H.D. BOLTS) ETC. REQUIRED FOR TEMPORARY AND PERMANENT ERECTION OF STEELWORK AND FOR ATTACHMENT OF TIMBER AND MISCELLANEOUS FRAMING.
   (c) ALL PURLINS AND GIRTS SHOWN ON DRAWINGS ARE FOR DIAGRAMMATICAL PURPOSES ONLY. THE CONTRACTOR SHALL ALLOW FOR ANY ADDITIONAL PURLINS / GIRTS AS REQUIRED TO SUIT OPENINGS, PENETRATIONS, EDGES OF ROOF SHEET, etc.
4. ALL STRUCTURAL STEELWORK TO BE HOT DIP GALVANISED HDG 600. UNLESS NOTED OTHERWISE.
5. PROPRIETARY ITEMS (E.G. PURLINS, ROOF/WALL SHEETING, BOLTS ETC.) SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATION. FOR LAPPED PURLINS/GIRTS USE M12 4.6/S PURLIN BOLTS AND FOR UNLAPPED PURLINS/GIRTS USE M12 4.6/S SHOULDERED PURLIN BOLTS. SHOULDERED PURLIN BOLT HEAD TO BE AGAINST COLD FORMED SECTION. ALL PURLIN/GIRT BOLTS SHALL HAVE INTEGRAL WASHERS.
6. MINIMUM WELDING REQUIREMENTS IF NOT OTHERWISE SPECIFIED SHALL BE AS FOLLOWS:-
   - ALL WELDS CATEGORY S.P 6mm CONTINUOUS FILLET WELDS, OR WHERE NOTED, COMPLETE PENETRATION BUTT WELDS (C.P.B.W.) USING E48XX ELECTRODES WITH CATEGORY S.P. INSPECTION WITH ALL WELDS 100% VISUALLY SCANNED, ALL TO AS/NZS 1554.1 UNLESS NOTED OTHERWISE. ALL WELDING SHALL BE PERFORMED BY A QUALIFIED WELDER IN ACCORDANCE WITH AS/NZS 1554.1.
7. EXTENT OF WELD INSPECTION/TESTING TO BE:
   VISUAL SCANNING : 100% OF WELDS
   VISUAL EXAMINATION: 100% OF BUTT WELDS IN TENSION MEMBERS AND 50% OF OTHER WELDS.
   RADIOGRAPHIC OR ULTRASONIC: 10% OF BUTT WELDS IN TENSION MEMBERS AND 5% OF OTHER WELDS.
   GRIND WELDS SMOOTH AND FLUSH WITH PARENT METAL WHERE NOMIMATED ON DRAWINGS.
   GRIND ONLY IN LONGITUDINAL DIRECTION OF MEMBER. WELDS TO BE INSPECTED BY INDEPENDENT NATA ACCREDITED QUALIFIED WELDING INSPECTOR TO AS2214. PROVIDE WELDING INSPECTORS REPORT TO SUPERINTENDENT.
8. SITE WELDS WHERE NOTED IN THE DOCUMENTATION SHALL BE THOROUGHLY WIRE BRUSHED CLEANED AND PAINTED IN ACCORDANCE WITH THE SPECIFICATION.
9. ALL BOLTS, NUTS AND WASHERS, INCLUDING HOLD DOWN BOLTS, CAST-IN FERRULES, CAST-IN PLATES AND MASONRY ANCHORS ARE TO BE HOT DIP GALVANIZED U.N.O. ALL GALVANIZED COMPONENTS TO BE CAST INTO CONCRETE MUST BE PASSIVATED. UNLESS NOTED OTHERWISE STEEL TO STEEL CONNECTIONS ARE M20 8.8/S AND HOLD DOWN BOLTS ARE M20 4.6/S.
10. BOLT TYPES SHALL BE AS FOLLOWS:-
    * 4.6/S -COMMERCIAL BOLTS TO AS1111 AND AS1112, SNUG TIGHTENED
    * 8.8/S -HIGH STRENGTH STRUCTURAL BOLTS TO AS/NZS 1252, SNUG TIGHTENED ONLY.
    USE BOLTS WITH THREADS IN COMPLIANCE WITH AS1275.
    USE BOLT LENGTHS SO THAT PROJECTION BEYOND NUT IS AT LEAST TWO (2) THREADS, AND NOT MORE THAN 10 mm.
11. ALL STRUCTURAL STEEL FIXING DETAILS ARE TO BE BASED ON AISC STANDARDIZED STRUCTURAL CONNECTIONS U.N.O
12. ALL PLATES ARE TO BE 10mm THICK UNO. ALL PLATES TO BE FROM STANDARD SQUARE EDGE FLATS U.N.O.
13. THE FABRICATION AND ERECTION OF THE STRUCTURAL STEELWORK SHALL BE SUPERVISED BY A QUALIFIED PERSON EXPERIENCED IN SUCH SUPERVISION, IN ORDER TO ENSURE THAT ALL REQUIREMENTS OF THE DESIGNS ARE MET. ALL BEAMS AND RAFTERS SHALL BE FABRICATED AND ERECTED WITH NATURAL CAMBER UP. BEAMS AND TRUSSES OVER 6m SHALL BE PRECAMBERED 1 IN 500 UNLESS NOTED OTHERWISE. ALL MEMBERS SHALL BE SUPPLIED IN SINGLE LENGTHS. SPLICES SHALL ONLY BE PERMITTED IN LOCATIONS SHOWN ON THE STRUCTURAL DRAWINGS.
14. THE CONTACT SURFACES FOR HIGH STRENGTH FULLY TENSIONED BOLTED CONNECTIONS SHALL BE CLEAN "AS ROLLED" AND NOT PAINTED. FULLY TENSION BOLTS BY THE "PART TURN METHOD OF TIGHTENING", OR BY LOAD INDICATING WASHERS.
15. GROUT TO BASE PLATES: A SPACE FOR 40mm OF 2:1 SAND:CEMENT MORTAR OF DAMP EARTH CONSISTENCY RAMMED FOR COMPACTION. ALTERNATIVELY USE NON-SHRINK GROUT APPLIED TO MANUFACTURER'S SPECIFICATIONS.
16. COATING REPAIRS: REINSTATE COATING TO DAMAGED AREAS TO PROTECTIVE COATINGS SPECIFICATION. FIELD WELD REPAIRS: DO NOT WELD THROUGH EXISTING GALVANISING OR COATINGS. REMOVE WELD SPLATTER, RESIDUAL FLUX etc BY CHIPPING, GRINDING OR ABRASIVE BLAST CLEANING. GRIND FLUSH ROUGH WELD BEADS. PREPARE SURFACE FOR PAINTING AS PER COATING SPECIFICATION. REMOVE RUST, LOOSE AND BURNT PAINT AND SUFFICIENT SOUND COATING SO PAINT EDGE IS FEATHERED AND SMOOTH. STRIPE COAT ALL WELDS, EDGES AND ROUGH SURFACES USING A BRUSH. REINSTATE COATING AS PER PROTECTIVE COATINGS SPECIFICATION.
17. REPAIR DAMAGE TO GALVANIZED COATING TO AS/NZS 4680 SECTION 8 REPAIR AFTER GALVANIZING. USE ORGANIC TWO-PACK ZINC RICH EPOXY COATING COMPLYING WITH AS/NZS 3750.9 APPLIED IN TWO COATS EACH 50 MICRON, MINIMUM TOTAL DRY FILM THICKNESS 100 MICRONS. DO NOT USE SPRAY CANS OF 'COLD GALV' OR ZINC ALLOY SOLDER 'STICKS'. SURFACE PREPARATION OF EXPOSED BARE STEEL TO BE ABRASIVE BLAST CLEANED TO AS 1627.4, CLASS 2½ (PREFERRED) OR POWER TOOL CLEANED TO AS 1627.2 CLASS ST 3. LIGHTLY SWEEP BLAST GALVANIZED SURFACES.
18. PROTECTIVE COATINGS ARE TO BE SHOP APPLIED AND CURED IN WORKSHOP IN ACCORDANCE WITH MANUFACTURER S RECOMMENDATIONS UNLESS APPROVED OTHERWISE IN WRITING BY SUPERINTENDENT. PROTECTIVE COATINGS ARE TO BE SMOOTH, UNIFORM AND WITHOUT RUNS, BEADS, PINHOLES, SURFACE CRAZING OR OTHER IMPERFECTIONS.
19. UNLESS NOTED OTHERWISE ON THE DRAWINGS OR IN THE SPECIFICATION, SURFACE TREATMENT OF EXPOSED STEELWORK FOR ATMOSPHERIC CORROSION PROTECTION TO BE PUR5. APPLY PROTECTIVE COATINGS AS PER SYSTEM/SYSTEMS PUR5 OF AS/NZS2312 TABLE 6.3 IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS. REPORT QA RECORDS IN A FORMAT SIMILAR TO AS3894 PARTS 10 TO 14. NON-SPECIFIED COLOURS WILL BE SELECTED BY THE SUPERINTENDENT.
20. DISSIMILAR METALS TO BE SEPERATED WITH INERT MATERIAL.
21. PROVIDE 5mm CAP PLATES TO ALL EXPOSED ENDS OF HOLLOW SECTION MEMBERS.

REINFORCED CONCRETE MASONRY

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM WITH THE CURRENT EDITION OF AS3700 EXCEPT WHERE VARIED BY THE CONTRACT DOCUMENTS AND SPECIFICATIONS.
2. CONCRETE MASONRY UNITS SHALL HAVE A MINIMUM CHARACTERISTIC UNCONFINED COMPRESSIVE STRENGTH OF 20 MPa IN ACCORDANCE WITH THE REQUIREMENTS OF AS/NZS 4455.1.
3. PROVIDE ADEQUATE TEMPORARY PROPPING TO WALLS DURING CONSTRUCTION IN ACCORDANCE WITH AS/NZS 4455.1 AND AS 4456.0.
4. PROVIDE VERTICAL CONTROL JOINTS IN WALLS AT MAXIMUM 8 METRE CENTRES OR WHERE INDICATED ON DRAWINGS.
5. ALL WALLS SHALL BE FULLY BONDED OR TIED AT THEIR INTERSECTIONS UNLESS DETAILED OTHERWISE.
6. MORTAR SHALL BE MECHANICALLY MIXED AND TYPE M3 U.N.O. CONSISTING OF 1 PART CEMENT, 1 PART HYDRATED LIME AND 6 PARTS OF WELL GRADED SAND, AND SHALL COMPLY WITH THE REQUIREMENTS OF AS 3700. MORTAR SHALL BE SAMPLED AND TESTED, IN ACCORDANCE WITH THE SPECIFICATION.
7. CORES OF ALL BLOCKS SHALL BE CLEAN AND FREE FROM PROJECTING MORTAR. PROVIDE CLEAN OUT OPENINGS AT BASE OF EACH LIFT. FORM THE FACE OF CLEAN OUT BLOCKS. INFILL BLOCK SHELLS SHALL NOT BE USED WITHOUT APPROVAL BY THE STRUCTURAL ENGINEER.
8. CORE FILLING CONCRETE SHALL BE MIXED USING MAX 10mm AGGREGATE, SHALL HAVE F'C 20 MPa AND MAXIMUM SLUMP OF 230mm. CONCRETE SHALL BE PLACED TO COMPLETELY FILL CORES WITHOUT SEGREGATION OR VOIDS. COMPACT BY INTERNAL VIBRATION OR RODDING AND STRENGTH TEST IN ACCORDANCE WITH THE MASONRY SPECIFICATION.
9. FILL CORES TO MAXIMUM 2.4 METRE HIGH FREE DROP IN ANY ONE POUR.
10. BACKFILL RETAINING WALLS, ON ENGINEER'S APPROVAL, WITH CLEAN 20mm GRAVEL FILLING FREE FROM CLAY OR OTHER ORGANIC MATTER.
11. RETAINING WALLS SHOULD NOT BE BACKFILLED UNTIL A MINIMUM OF 14 DAYS AFTER GROUT FILLING. PROPPED RETAINING WALLS SHALL NOT BE BACKFILLED UNTIL THE SLAB OVER HAS BEEN CAST A MINIMUM OF 7 DAYS AND THE WALL HAS BEEN GROUT FILLED A MINIMUM OF 14 DAYS.
12. PROVIDE ALL AGRICULTURAL PIPES OR WEEPHOLES TO EARTH FACE OF ALL RETAINING WALLS AS NOTED IN THE DOCUMENTATION. ALL AGRICULTURAL PIPES OR WEEPHOLES TO BE PROTECTED FROM SILTATION BY THE USE OF GEOFABRIC. AGRICULTURAL DRAINS TO BE CONNECTED TO THE STORMWATER SYSTEM TO HYDRAULIC ENGINEERS DETAILS.
13. PROVIDE WATERPROOF MEMBRANE & D.P.C. AS SPECIFIED ON DRAWINGS.

TIMBER

1. ALL TIMBER DESIGN, MATERIAL AND CONSTRUCTION SHALL BE TO AS 1684.3, AS 1720.1 AND AS1720.2.
2. SOFTWOOD TO BE MINIMUM STRESS GRADE MPG12, J4 JOINT GROUP UNO. HARDWOOD TO BE MINIMUM GRADE F14 UNLESS NOTED OTHERWISE. SUBMIT SUPPLIERS CERTIFICATE AS TO STRESS GRADE OF TIMBER MEMBERS. ALL TIMBER SHALL BE BRANDED.
3. EXTERNAL TIMBER SHALL BE EITHER SEASONED HARDWOOD WITH DURABILITY CLASS I OR II, JOINT CLASS JD2 OR JD3 TO AS 1720.2 OR IMPREGNATED PINE GRADE F7, PRESSURE TREATED MINIMUM H3 TREATMENT UNLESS SPECIFIED OTHERWISE, TO AS 1604 AND RE-DRIED PRIOR TO USE. SUPPLEMENTARY TREATMENT SHALL BE APPLIED TO ALL CUT SURFACES. SUPPLY SUPPORTING DOCUMENTATION FOR PRESERVATIVE TREATMENT.
4. ALL BOLTS IN TIMBER CONSTRUCTION SHALL BE MINIMUM M16 UNLESS NOTED AND SHALL BE GALVANISED. BOLTS SHALL BE RETIGHTENED AT THE END OF THE MAINTAINANCE PERIOD. BOLT HOLES SHALL BE DRILLED NO MORE THAN 1 mm OVERSIZE.
   FLAT WASHERS ARE TO BE USED ANYWHERE THE HEAD OF A BOLT OR COACH SCREW, A NUT, OR SPRING WASHER WOULD OTHERWISE BEAR ON A TIMBER ELEMENT. FLAT WASHERS ARE NOT REQUIRED WHERE THE HEAD OR NUT BEARS ON A STEEL PLATE. UNLESS NOTED OTHERWISE, FLAT WASHERS BEARING AGAINST TIMBER SHALL HAVE THE FOLLOWING MINIMUM OUTSIDE DIAMETER

WASHERS				
NOMINAL FASTENER SIZE	M8	M16	M20	M24
NOMINAL OUTSIDE DIAMETER	36mm	55mm	65mm	75mm

   SPRING WASHERS SHALL BE STANDARD HELICAL SPRING-LOCK WASHERS. SPRING WASHERS ARE TO BE INSTALLED UNDER THE NUT ON ALL BOLTS CONNECTING TIMBER ELEMENTS.
5. TIMBER DIMENSIONS SHALL BE NOT LESS THAN:

TIMBER DIMENSIONS TOLERANCES	
SEASONED SOFTWOOD	+5mm , -0mm
UNSEASONED SOFTWOOD	< F7 +3mm , -3mm
UNSEASONED SOFTWOOD	> F7 +2mm , -4mm
SEASONED HARDWOOD	+2mm , -0mm
UNSEASONED HARDWOOD	+3mm , -3mm
SEE ALSO CLAUSE 1.6.2 IN AS 2082	

6. ALL TIMBER JOINTS AND NOTCHES ARE TO BE 100mm MINIMUM AWAY FROM LOOSE KNOTS, SEVERE SLOPING GRAIN, GUM VEINS OR OTHER MINOR DEFECTS. ALL TRUSSES AND RAFTERS SHALL BE FIXED TO TOP PLATE WITH METAL PLATE CONNECTORS.
7. FIELD-CUT SURFACES ARE TO BE TREATED TO REFUSAL / SATURATION WITH COPPER NAPHTHENATE PRESERVATIVE, END GRAIN IS TO BE COATED WITH ANCHOR SEAL PARAFFIN SEALANT. TREAT BEAMS AS SOON AS POSSIBLE AFTER CUTTING. ENSURE CUTS ARE CLEAN AND FREE OF SAWDUST OR DEBRIS PRIOR TO TREATING.
8. BRACE WALLS TO HAVE MINIMUM J4 OR JD4 JOINT STRENGTH.

CHEMICAL ANCHOR NOTES

1. ALL CHEMICAL/EPOXY FIXED ANCHORS SHALL BE RAMSET CHEMSET INJECTION 801 SERIES EPOXY ANCHORS U.N.O
2. ALL ANCHOR STUDS SHALL BE FULLY THREADED GALVANISED STEEL STUDS U.N.O
3. ALL ANCHORS SHALL BE SUPPLIED AND INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURES RECOMMENDATIONS.
4. WHERE CHEMICAL ANCHORS ARE TO BE USED, THE REINFORCEMENT SHALL BE REPOSITIONED LOCALLY SO AS TO AVOID CLASHES WITH THE ANCHOR INSTALLATION.
5. ALL ANCHOR INSTALLATIONS SHALL CONFORM TO THE FOLLOWING MINIMUM DISTANCES U.N.O

ANCHOR DISTANCES	STUD SIZE				
	M10	M12	M16	M20	M24
MINIMUM EMBEDMENT (mm)	90	125	150	200	200
MINIMUM EDGE DISTANCE (mm)	40	50	60	80	95

LEGEND

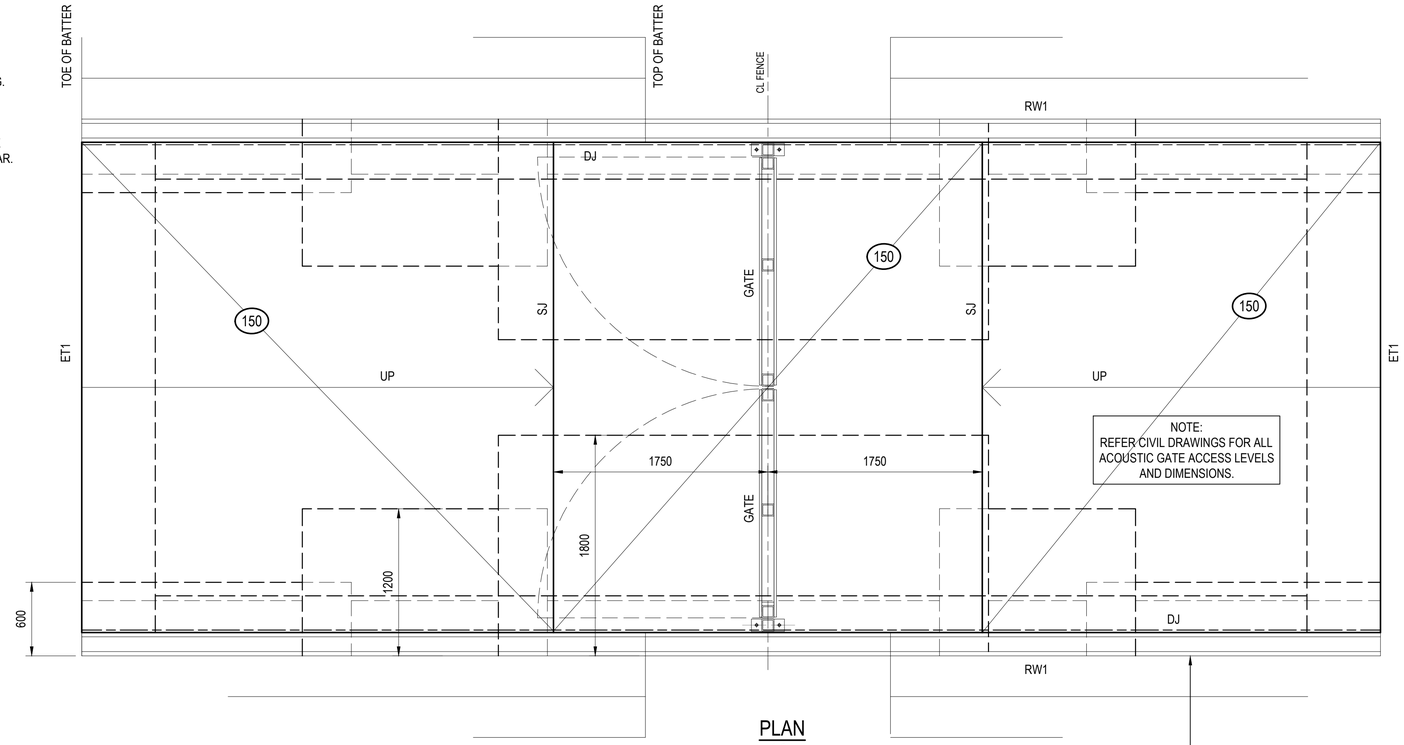
- 200 ..... DENOTES MINIMUM CONCRETE SLAB THICKNESS.
- ..... CONCRETE COLUMN OVER.
- ..... CONCRETE WALL OVER.
- ..... LOAD BEARING BLOCKWORK WALL OVER.
- ..... NON LOAD BEARING BLOCKWORK WALL OVER.
- ..... BRICKWORK WALL OVER.
- ..... EXISTING COLUMN OR WALL.
- ..... LOAD BEARING ELEMENT UNDER.
- ZZZ ..... DEMOLITION WORKS. (REFER ARCHITECT DWGS)
- ..... DENOTES TOP OF SLAB PROFILE STEP.
- ..... DENOTES 2-N12 TRIMMER BARS x1500 LONG. TIED TO U/S OF MESH AT ALL SLAB RE-ENTRANT CORNER

DATE PLOTTED: 6 February 2026 10:29 AM BY : NEIL BROWNING

LEGEND

ET1 ..... 600 WIDE x 230 DEEP SLAB EDGE THICKENING.
SJ ..... SLAB SAWN JOINT.
DJ ..... SLAB DOWEL JOINT.

(150) ..... INDICATES 150mm MIN THK SLAB. REINFORCE WITH SL82 MESH TOP AND N12 SLAB EDGE BAR.



PLAN
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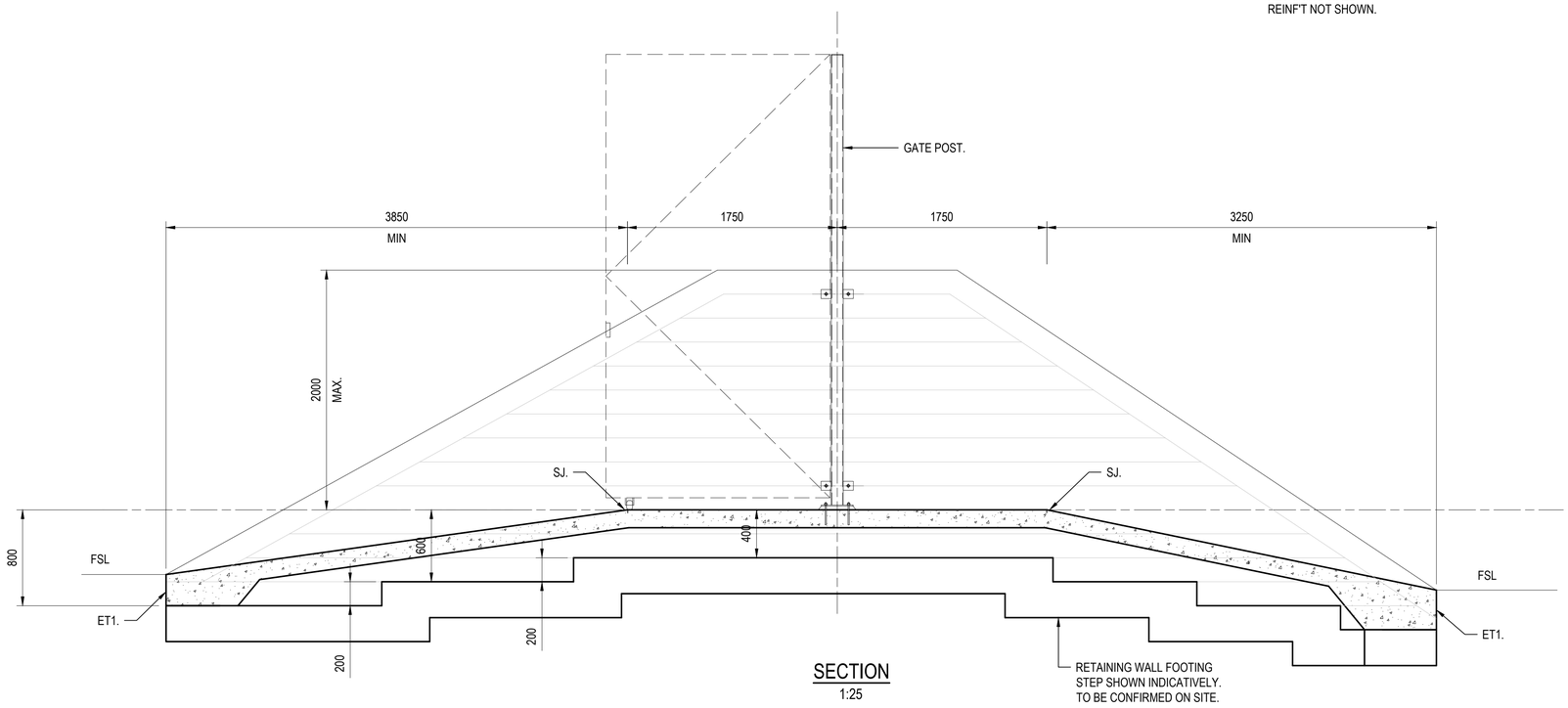

SECTION
1:25

0 500 1000 1500 2000 2500mm
SCALE 1:25 @A1

Rev.	Date	Description	Des.	Verif.	Appd.
T1	6.2.26	TENDER ISSUE	ML	ML	

CERTIFICATION

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MAL Engineers

Drawn	NB	Date 29.1.26
Checked	ML	Date 29.1.26
Designed	ML	Date 29.1.26
Verified	ML	Date 29.1.26
Approved	M. LANCINI	XXX

Client: PORT DOUGLAS LAND DEVELOPMENTS PTY LTD.

Project: ACOUSTIC GATE
NEW PORT ESTATE. PORT DOUGLAS

Title: PLAN AND SECTION

Status: FOR TENDER ONLY
NOT TO BE USED FOR CONSTRUCTION PURPOSES

Datum		Scale	Size
AHD		AS SHOWN	A1

Drawing Number: Q25099-ST-02
Revision: T1

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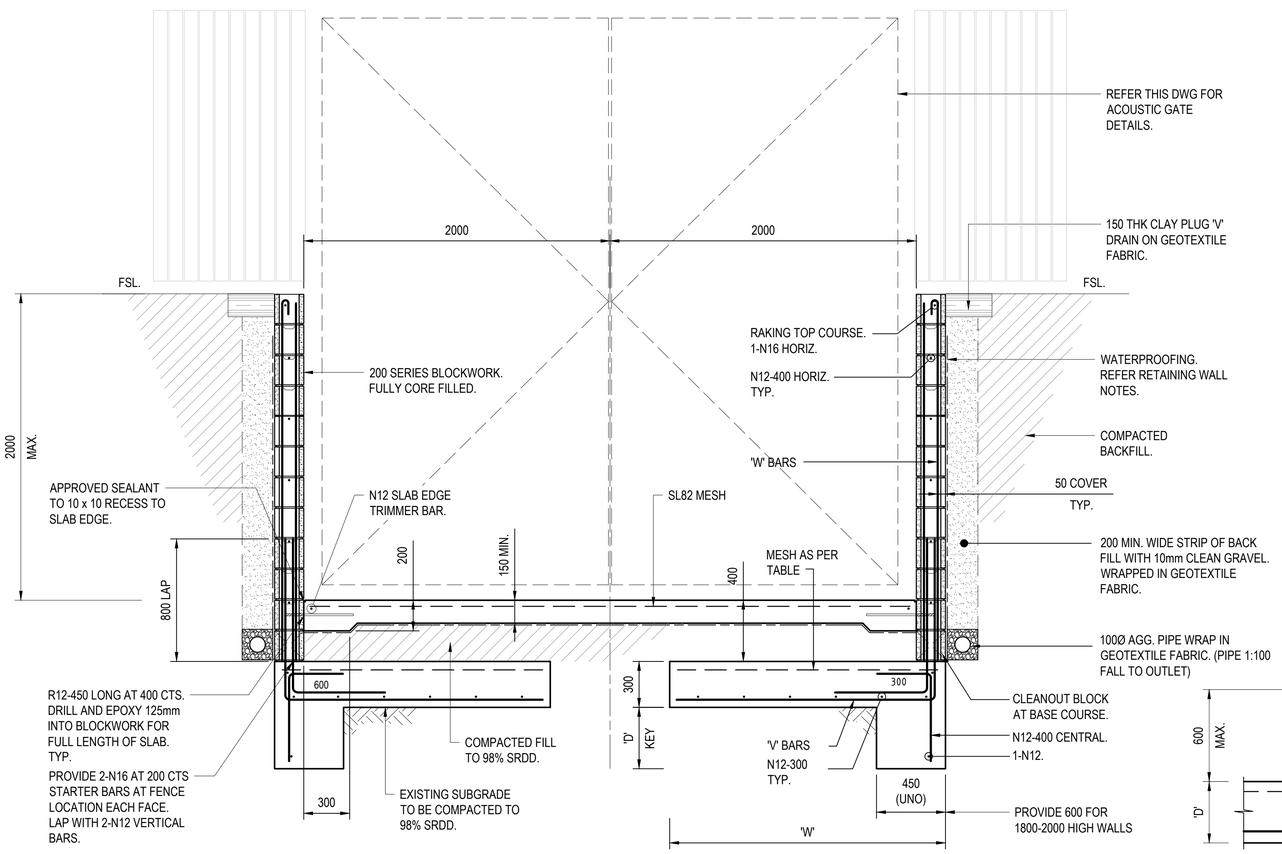
DATE PLOTTED: 11 February 2026 9:28 AM BY : NEIL BROWNING



TYPICAL RETAINING WALL TYPE RW1 UPTO 2000mm HIGH

1:20

RETAINING WALL NOTES:

1. ALL RETAINING WALLS TO BE CONSTRUCTED ON SOIL WITH 100 KPa ALLOWABLE BEARING PRESSURE.
2. PROVIDE TANKING BEHIND ALL RETAINING WALLS. WATERPROOFING MEMBRANE TO FULL EXTENT OF RETAINING WALL PROVIDE 3 COATS OF ORMINOID AS PER MANUFACTURER'S REQUIREMENTS. PLACE 4.5mm FC SHEET BEHIND WALL ONCE DRY AND PRIOR TO BACKFILLING.
3. REFER CIVIL DWGS FOR ALL RETAINING WALL LOCATIONS AND TOP RL's.
4. CONTRACTOR TO ENSURE THAT ALL RETAINING WALL FOOTINGS FOUND BELOW ADJACENT STORMWATER PIPES AND DRAINS REFER TO CIVIL PLANS FOR LEVELS OF PIPES.
5. 200 SERIES 'H' BLOCK TO BE USED. FULLY CORE FILLED.
6. DISCHARGE AGG PIPES TO OUTLET (1:100 FALL) AS DIRECTED ON SITE.

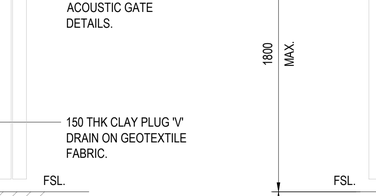
RETAINING WALL RW1					
WALL HT. 'H'(mm.)	BASE WIDTH 'W'(mm.)	'V' BARS	'W' BARS	KEY DEPTH 'D'(mm.)	TOP MESH
200-800	600	N12-400	N12-400	200	SL72
801-1200	1000	N12-400	N12-400	200	SL72
1201-1600	1400	N16-400	N12-400	300	SL72
1601-1800	1600	N16-400	N12-400	400	SL72
1801-2000	1800	N16-200	N12-400	500	SL72

TYPICAL SLAB ON GRADE DETAIL

1:20

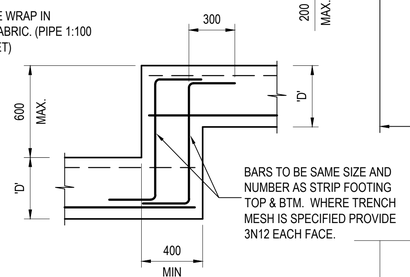
SAWN JOINT DETAIL (SJ)

1:20



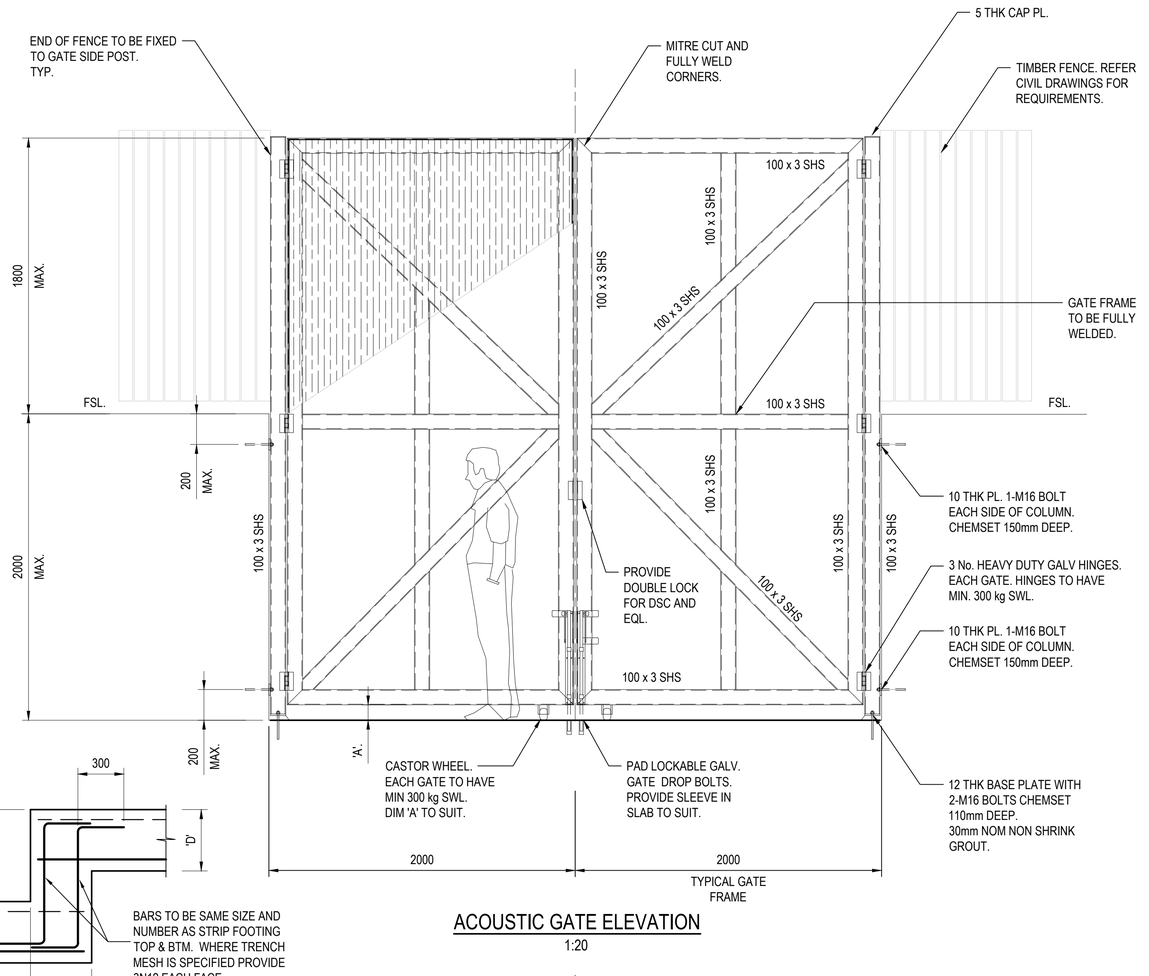
TYPICAL EDGE THICKENING (ET1)

1:20



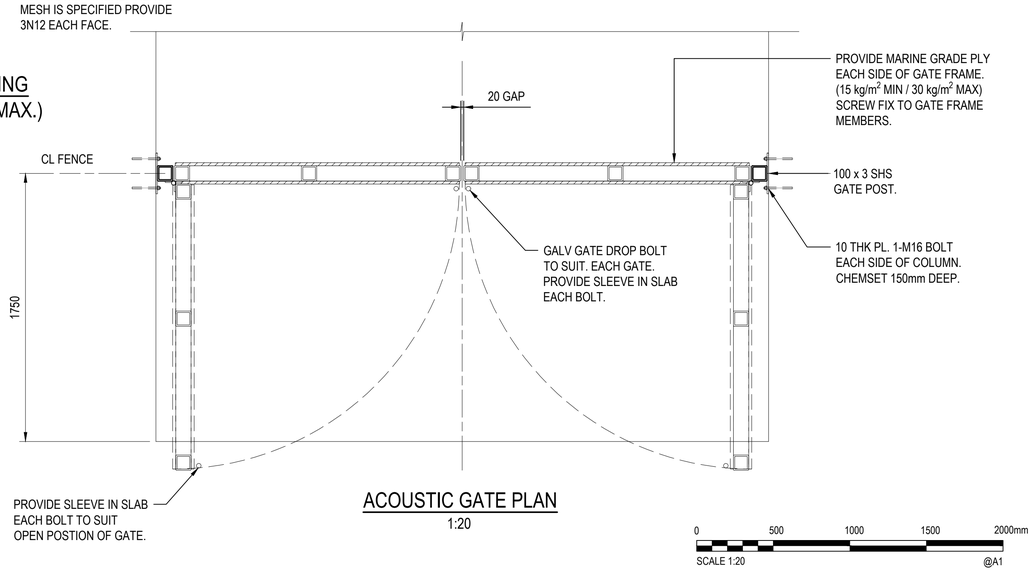
STEPPED FOOTING (STEP UP TO 600 MAX.)

NTS



ACOUSTIC GATE ELEVATION

1:20



ACOUSTIC GATE PLAN

1:20

0 500 1000 1500 2000mm

SCALE 1:20 @A1

Rev.	Date	Description	Des.	Verif.	Appd.
T1	6.2.26	TENDER ISSUE	ML	ML	

CERTIFICATION

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MAL Engineers

Drawn	NB	Date 29.1.26
Checked	ML	Date 29.1.26
Designed	ML	Date 29.1.26
Verified	ML	Date 29.1.26
Approved	M. LANCINI	XXX

Client: PORT DOUGLAS LAND DEVELOPMENTS PTY LTD.

Project: ACOUSTIC GATE
NEW PORT ESTATE. PORT DOUGLAS

Title: ACOUSTIC GATE AND RETAINING WALL DETAILS

Status: FOR TENDER ONLY
NOT TO BE USED FOR CONSTRUCTION PURPOSES

Datum	Scale	Size
AHD	AS SHOWN	A1

Drawing Number: Q25099-ST-03

Revision: T1

CAD File: C:\Users\neilb\OneDrive - MAL Engineers\Documents\OneDrive - MAL Engineers\Documents\Projects\Jobs\Cairns\2025\Q25099 - Port Douglas Acoustic gate_CAD & Models\Acad\Q25099-DD-ACOUSTIC GATE.dwg

Extracts from the Planning Act 2016 - Making Representations During Applicant's Appeal Period

relevant preliminary approval means a preliminary approval given under the old Act by an entity other than a private certifier.

Division 2 Changing development approvals

Subdivision 1 Changes during appeal period

74 What this subdivision is about

(1) This subdivision is about changing a development approval before the applicant's appeal period for the approval ends.

(2) This subdivision also applies to an approval of a change application, other than a change application for a minor change to a development approval.

(3) For subsection (2), sections 75 and 76 apply—

(a) as if a reference in section 75 to a development approval were a reference to an approval of a change application; and

(b) as if a reference in the sections to the assessment manager were a reference to the responsible entity; and

(c) as if a reference in section 76 to a development application were a reference to a change application; and

(d) as if the reference in section 76(3)(b) to section 63(2) and (3) were a reference to section 83(4); and

(e) with any other necessary changes.

75 Making change representations

(1) The applicant may make representations (***change representations***) to the assessment manager, during the applicant's appeal period for the development approval, about changing—

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(a) a matter in the development approval, other than—

(i) a matter stated because of a referral agency's response; or

(ii) a development condition imposed under a direction given by the Minister under part 6, division 2; or

(iii) a development condition imposed under a direction given by the chief executive under section 106ZF(2); or

(b) if the development approval is a deemed approval—the standard conditions taken to be included in the deemed approval under section 64(8)(d).

(2) If the applicant needs more time to make the change representations, the applicant may, during the applicant's appeal period for the approval, suspend the appeal period by a notice given to the assessment manager.

(3) Only 1 notice may be given.

(4) If a notice is given, the appeal period is suspended—

(a) if the change representations are not made within a period of 20 business days after the notice is given to the assessment manager—until the end of that period; or

(b) if the change representations are made within 20 business days after the notice is given to the assessment manager, until—

(i) the applicant withdraws the notice, by giving another notice to the assessment manager; or

(ii) the assessment manager gives the applicant the decision notice for the change representations; or

(iii) the end of 20 business days after the change representations are made, or a longer period agreed in writing between the applicant and the assessment manager.

(5) If the applicant makes the change representations during the appeal period without giving a notice under subsection (2),

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the appeal period is suspended from the day the representations are made until—

(a) the applicant withdraws the change representations by notice given to the assessment manager; or

(b) the assessment manager gives the applicant the decision notice for the change representations; or

(c) the end of 20 business days after the change representations are made, or a longer period agreed in writing between the applicant and the assessment manager.

(6) Despite subsections (4) and (5), if the decision notice mentioned in subsection (4)(b)(ii) or (5)(b) is a negotiated decision notice, the appeal period starts again on the day after the negotiated decision notice is given.

76 Deciding change representations

(1) The assessment manager must assess the change representations against and having regard to the matters that must be considered when assessing a development application, to the extent those matters are relevant.

Note—

For change representations for a development approval for development requiring social impact assessment, see also section 106ZI.

(2) The assessment manager must, within 5 business days after deciding the change representations, give a decision notice to—

(a) the applicant; and

(b) if the assessment manager agrees with any of the change representations—

(i) each principal submitter; and

(ii) each referral agency; and

(iii) if the assessment manager is not a local government and the development is in a local

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government area—the relevant local government; and

(iv) if the assessment manager is a chosen assessment manager—the prescribed assessment manager; and

(v) another person prescribed by regulation.

(3) A decision notice (a ***negotiated decision notice***) that states the assessment manager agrees with a change representation must—

(a) state the nature of the change agreed to; and

(b) comply with section 63(2) and (3).

(4) A negotiated decision notice replaces the decision notice for the development application.

(5) Only 1 negotiated decision notice may be given.

(6) If a negotiated decision notice is given to an applicant, a local government may give a replacement infrastructure charges notice to the applicant.

Subdivision 2 Changes after appeal period

77 What this subdivision is about

This subdivision is about changing a development approval, other than the currency period, after all appeal periods in relation to the approval end.

78 Making change application

(1) A person may make an application (a ***change application***) to change a development approval.

Note—

For the making of a change application for a development approval that was a PDA development approval, see also the *Economic Development Act 2012*, sections 51AM, 51AN and 51AO.

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(2) The person is taken to have engaged in the representative's conduct, unless the person proves the person could not have prevented the conduct by exercising reasonable diligence.

(3) In this section—

conduct means an act or omission.

representative means—

(a) of a corporation—an executive officer, employee or agent of the corporation; or

(b) of an individual—an employee or agent of the individual.

state of mind, of a person, includes the person's—

(a) knowledge, intention, opinion, belief or purpose; and

(b) reasons for the intention, opinion, belief or purpose.

Chapter 6 Dispute resolution

Part 1 Appeal rights

229 Appeals to tribunal or P&E Court

(1) Schedule 1 states—

(a) matters that may be appealed to—

(i) either a tribunal or the P&E Court; or

(ii) only a tribunal; or

(iii) only the P&E Court; and

(b) the person—

(i) who may appeal a matter (the ***appellant***); and

(ii) who is a respondent in an appeal of the matter; and

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(iii) who is a co-respondent in an appeal of the matter; and

(iv) who may elect to be a co-respondent in an appeal of the matter.

Note—

For limitations on appeal rights in relation to a development approval for development requiring social impact assessment, see section 106ZJ.

(2) An appellant may start an appeal within the appeal period.

(3) The ***appeal period*** is—

(a) for an appeal by a building advisory agency—10 business days after a decision notice for the decision is given to the agency; or

(b) for an appeal against a deemed refusal—at any time after the deemed refusal happens; or

(c) for an appeal against a decision of the Minister, under chapter 7, part 4, to register premises or to renew the registration of premises—20 business days after a notice is published under section 269(3)(a) or (4); or

(d) for an appeal against a decision of the Minister, under chapter 7, part 4, to amend the registration of premises to include additional land in the affected area for the premises—20 business days after the day a notice is published under section 269A(2)(a); or

(e) for an appeal against an infrastructure charges notice—20 business days after the infrastructure charges notice is given to the person; or

(f) for an appeal about a deemed approval of a development application for which a decision notice has not been given—30 business days after the applicant gives the deemed approval notice to the assessment manager; or

(g) for an appeal relating to the *Plumbing and Drainage Act 2018*—

(i) for an appeal against an enforcement notice given because of a belief mentioned in the *Plumbing and*

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Drainage Act 2018, section 143(2)(a)(i), (b) or (c)—5 business days after the day the notice is given; or

(ii) for an appeal against a decision of a local government or an inspector to give an action notice under the *Plumbing and Drainage Act 2018*—5 business days after the notice is given; or

(iii) for an appeal against a failure to make a decision about an application or other matter under the *Plumbing and Drainage Act 2018*—at anytime after the period within which the application or matter was required to be decided ends; or

(iv) otherwise—20 business days after the day the notice is given; or

(h) for any other appeal—20 business days after a notice of the decision for the matter, including an enforcement notice, is given to the person.

Note—

See the P&E Court Act for the court's power to extend the appeal period.

(4) Each respondent and co-respondent for an appeal may be heard in the appeal.

(5) If an appeal is only about a referral agency's response, the assessment manager may apply to the tribunal or P&E Court to withdraw from the appeal.

(6) To remove any doubt, it is declared that an appeal against an infrastructure charges notice must not be about—

(a) the adopted charge itself; or

(b) for a decision about an offset or refund—

(i) the establishment cost of trunk infrastructure identified in a LGIP; or

(ii) the cost of infrastructure decided using the method included in the local government's charges resolution.

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230 Notice of appeal

(1) An appellant starts an appeal by lodging, with the registrar of the tribunal or P&E Court, a notice of appeal that—

(a) is in the approved form; and

(b) succinctly states the grounds of the appeal.

(2) The notice of appeal must be accompanied by the required fee.

(3) The appellant or, for an appeal to a tribunal, the registrar, must, within the service period, give a copy of the notice of appeal to—

(a) the respondent for the appeal; and

(b) each co-respondent for the appeal; and

(c) for an appeal about a development application under schedule 1, section 1, table 1, item 1—each principal submitter for the application whose submission has not been withdrawn; and

(d) for an appeal about a change application under schedule 1, section 1, table 1, item 2—each principal submitter for the application whose submission has not been withdrawn; and

(e) each person who may elect to be a co-respondent for the appeal other than an eligible submitter for a development application or change application the subject of the appeal; and

(f) for an appeal to the P&E Court—the chief executive; and

(g) for an appeal to a tribunal under another Act—any other person who the registrar considers appropriate.

(4) The ***service period*** is—

(a) if a submitter or advice agency started the appeal in the P&E Court—2 business days after the appeal is started; or

(b) otherwise—10 business days after the appeal is started.

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(5) A notice of appeal given to a person who may elect to be a co-respondent must state the effect of subsection (6).

(6) A person elects to be a co-respondent to an appeal by filing a notice of election in the approved form—

(a) if a copy of the notice of appeal is given to the person—within 10 business days after the copy is given to the person; or

(b) otherwise—within 15 business days after the notice of appeal is lodged with the registrar of the tribunal or the P&E Court.

(7) Despite any other Act or rules of court to the contrary, a copy of a notice of appeal may be given to the chief executive by emailing the copy to the chief executive at the email address stated on the department's website for this purpose.

231 Non-appealable decisions and matters

(1) Subject to this chapter, section 316(2), schedule 1 and the P&E Court Act, unless the Supreme Court decides a decision or other matter under this Act is affected by jurisdictional error, the decision or matter is non-appealable.

(2) The *Judicial Review Act 1991*, part 5 applies to the decision or matter to the extent it is affected by jurisdictional error.

(3) A person who, but for subsection (1) could have made an application under the *Judicial Review Act 1991* in relation to the decision or matter, may apply under part 4 of that Act for a statement of reasons in relation to the decision or matter.

(4) In this section—

decision includes—

(a) conduct engaged in for the purpose of making a decision; and

(b) other conduct that relates to the making of a decision; and

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(c) the making of a decision or the failure to make a decision; and

(d) a purported decision; and

(e) a deemed refusal.

non-appealable, for a decision or matter, means the decision or matter—

(a) is final and conclusive; and

(b) may not be challenged, appealed against, reviewed, quashed, set aside or called into question in any other way under the *Judicial Review Act 1991* or otherwise, whether by the Supreme Court, another court, any tribunal or another entity; and

(c) is not subject to any declaratory, injunctive or other order of the Supreme Court, another court, any tribunal or another entity on any ground.

232 Rules of the P&E Court

(1) A person who is appealing to the P&E Court must comply with the rules of the court that apply to the appeal.

(2) However, the P&E Court may hear and decide an appeal even if the person has not complied with rules of the P&E Court.

Part 2 Development tribunal

Division 1 General

233 Appointment of referees

(1) The Minister, or chief executive, (the ***appointer***) may appoint a person to be a referee, by an appointment notice, if the appointer considers the person—

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DOUGLAS
SHIRE COUNCIL
PO BOX 723
MOSSMAN QLD 4873
www.douglas.qld.gov.au
enquiries@douglas.qld.gov.au

Development Assessment & Coordination Unit
Ph: (07) 4099 9444
Fax: (07) 4098 2902

PRE-START MEETING PROCESS

This document provides an outline of the requirements of the Pre-Start process. Full details are available in the FNQROC Development Manual, in particular Sections CP1.02-09 which should be used as the reference source, should there be any discrepancy in detail between this pro-forma and the Manual. The Manual can be downloaded from the Far North Queensland Regional Organisation of Councils website **www.fnqroc.qld.gov.au/.**

Only works that have been 'Approved' by the Council can be submitted for the Pre-Start process and meeting. These works must incorporate all aspects of the Planning Approval and Operational Works Decision Notices, including all pre-start requirements and any imposed conditions from referral agencies.

This document is in three parts and should be attached to any supporting documentation. The shaded areas identified in parts 1 and 2, are to be completed by the **Applicant/ Engineer** and submitted to Council to initiate the Pre-Start process. Parts 2 and 3 will be used during the site meeting.

ACCURACY OF SUBMISSION

Council's examination of documents should not be taken to mean that the documents have been checked in detail and Council takes no responsibility for their accuracy. If during construction, inadequacies of the design are discovered, it is the responsibility of the Principal Consulting Engineer to resubmit amended plans to Council for approval and rectify works accordingly.

Notwithstanding any approval given to engineering documents, where a discrepancy occurs between these documents and Council's standards, then Council's standards shall apply. All works must be performed in accordance with Council standards and local laws.

If in fact there are errors, omissions or insufficient detail on the plans for the purpose of construction, these deficiencies shall be made good during construction and Council reserves the right to withhold approval of construction until such deficiencies are made good to its satisfaction.

PART 1 of 3	Pre-Start Meeting Process
	(NOTE: **Items marked * are to be deleted as appropriate.)**
1. Document Requirements	**Pre-Meeting Information and Check List**

Project Name	

1. a Contact details of the Engineer (Nominated point of contact) for the works

Name of Engineer		
Name of Company		
Telephone No	Office:	Mobile:
Email Address		
After Hours Contact N.		
RPEQ N.		

1. b Contact details of the Principal contractor for the works

Name of Contractors Representative		
Name of Company		
Telephone N.	Office:	Mobile:
Email Address		
After Hours Contact No		

1. c Person to be contacted in regard to any matter relating to the construction of the works, day-to day queries, complaints etc. (if different from the above)

Name of Engineers Representative		
Name of Company		
Telephone No	Office:	Mobile:
Email Address		
After Hours Contact No		

1. d Council contacts - Development Assessment & Coordination

Neil Beck	Team Leader Planning	4099 9451		Neil.Beck@Douglas.qld.gov.au

PART 1 of 3	Pre-Start Meeting Process			
1. Document Requirements	**Pre-Meeting Information and Check List**			
	1. e	**Intended date for commencement of works**	/ / 20	
	1. f	**Expected date for completion of works**	/ / 20	
	It is desirable for the following information to be provided to the Council prior to the site meeting in order to allow assessment of the scope of works and reduce any possible delays in reviewing documentation and the granting of Approvals for the commencement of works			
	Item	Detail	Checked & agreed by the Principal / Consulting Engineer Yes / No	Comments
	1. g	**Development and Operational Works Approvals** Current Development and Operational Works Approvals have been granted and all proposed works are to be in accordance with Council Approved drawings and supporting documentation.	Yes ☐ No ☐	
		Operational Works Decision Notice file number **8/ / Date of Notice / /**		
	1. h	**Appeal Rights Waiver** Work cannot proceed until the Developer (or his representative) provides written notice to the Council to waive the right of appeal to the Operational Works Permit Approval Conditions or until the appeal period expiry date (20 days after the Decision Notice is given to submitter) – whichever occurs first: i. The Developer will waive Appeal Rights. ii. A copy of letter is attached.	Yes ☐ No ☐ NA ☐ Yes ☐ No ☐ NA ☐	
	1. i	**Preservation of the Existing Environment Features** The Contractor and Engineer have identified and adequately protected any vegetation identified within any conditions of approval, prior to the start of any clearance works.	Yes ☐ No ☐	
	1. j	**Contractors Erosion and Sediment Control, and Soil and Water Management Plans** Reviewed and approved by the Engineer **prior** to the Pre-Start meeting.	Yes ☐ No ☐	
	1. k	**Notice of Intention to commence Work** i. Public Notices and advertisements have been posted (Note: The engineer calling this meeting is deemed to have informed Council of the requirement to commence works)	Yes ☐ No ☐	
	1. l	**Public Liability and other Insurances** Copies attached	Yes ☐ No ☐	
	1.m	**Portable Long Service and Q Leave (QLeave will collect a total of 0.525% on all building and construction work, to be carried out in Queensland, where the total cost of work is $80,000 or more (inclusive of GST)** Copies attached	Yes ☐ No ☐	
	1. n	**Contractors Workplace Health and Safety Plan** Copies attached	Yes ☐ No ☐	

PART 1 of 3	Pre-Start Meeting Process			
1. Document Requirements	**Pre-Meeting Information and Check List**			
Continued..	**1. o**	**Concurrence Agencies & Third Party Agreements** Written approval has been obtained for any proposed works relating to concurrence agency conditions or agreement from third parties provided to work within their property. Copies of approvals or agreements attached.	Yes ☐ No☐ Yes ☐ No☐	
	1. p	**Traffic Management Plans** Copies attached	Yes ☐ No☐	
	1. q	**QA Documentation including ITP's** Copies provided to Council to identify project specific wks.	Yes ☐ No☐	
	1. r	**Bond:** i. A fully priced **schedule of quantities** has been provided to Council, as per FNQROC AP1.07-12(xxi) ii. A Security Lodgement Form (FNQROC CP1. App. B) has been provided with a **value=0.05 X cost of works** iii. Copy of payment receipt attached.	Yes ☐ No☐ Yes ☐ No☐ Yes ☐ No☐	
	1. t	**Additional Information not identified above** Additional information has been submitted to support the application, and is attached to this document.	Yes ☐ No☐	
		Detail:		
	1. u	**Request for Meeting** Date requested for Pre-Start meeting: Proposed time of meeting (Ideally between 09:00-16:00 hrs) (Please telephone the Council officer prior to submitting a time) (Note: The Council usually requires **SEVEN** days written notice of the proposed meeting date. The Principal should only make the request when **all** of the appropriate documentation is available. An additional re-inspection charge may apply if documentation is not complete at the time of the initial inspection.	_ / / 20 _ AM / PM	

PART 1 of 3	**Pre-Start Meeting Process**
1. Document Requirements	**Pre-Meeting Information and Check List**
Continued..	**Details of the consulting engineer submitting the checklist and associated documentation required for Pre-Start meeting**

Name of Engineer		
Signature		
Name of Company		
Telephone No	Office:	Mobile:
RPEQ No		
Date		

This space can be used for any other notes or information:

PART 2 of 3	**Pre-Start Meeting Process**	
2. Pre-Start Meeting	**2.1 Attendance Register**	
To be completed by meeting organizer	Project Name	
	Location	
	Douglas File Ref.	8 / /
	Date and Time	/ / 20 at am / pm
	Meeting Held at	
	Chaired by	
	Apologies	

Attendees

Name	Company	Title	Phone / Mobile	Email
Engineer (i)				
Engineer (ii)				
Contractor (i)				
Contractor (ii)				

Possible attendees representing Douglas Shire Council:

Neil Beck	Douglas Shire Council	Coordinator Planning & Development Engineering	40999 451	Neil.Beck@Douglas.qld.gov.au
Peter White	Douglas Shire Council	Coordinator Water & Wastewater	40999 466	Peter.White@Douglas.qld.gov.au
Ben Armbrust	Douglas Shire Council	Coordinator Civil Operations	4099 9483	Ben.Armbrust@douglas.qld.gov.au
Peter Logan	Douglas Shire Council	Coordinator Public Spaces	40999 492 0417479834	Peter.Logan@Douglas.qld.gov.au
DISTRIBUTION: Marked *				

PART 2 of 3	Pre-Start Meeting Process
2. Pre-Start Meeting	**2.2 Pre-Meeting Documentation**
To be completed by meeting organizer	All documentation, drawings, plans and fees as identified in Part 1 of the Pre-Start Meeting template document **..HAVE / HAVE NOT *** been provided and approved by the Council prior to the meeting. Details of any non-compliance issues or incomplete documentation are identified below:
	2.3 Conditions Of Approval And Approved Drawings
	a. The developer, contractor(s) and engineer are to have the relevant copy of all approved drawings and conditions relating to this project. **All contractors must review these documents prior to the commencement of any work on the site.** **b.** A complete copy of the documents is to be located on site at all times and updated when necessary. **c.** Should any changes be proposed to the approved plans and conditions, they are to be submitted to the Council for approval **prior** to implementing any changes on site.
	A copy of the approved plan and conditions has been presented to all parties and is available on site for inspection. **YES ☐ / NO ☐ *** Comments:
	2.4 Site Safety Procedures
	Council officers will report to a site representative for an initial site safety induction and prior to each site inspection. The nominated Contractor's site representative will be: Name — Mobile Tel. No:
	Any other site safety requirements specific to this site:
	2.5 Site Access and Signage
	a. Vehicular access to the site for construction and demolition is off: Name of road(s): Comments:
	b. A Public Notice sign must be positioned at the entrance(s) to the site. **No works can proceed until the sign(s) is in place.** Sign(s) are positioned on site **YES ☐ / NO ☐** Comments:
	2.6 Witness and Hold Point Inspections
	Michael Matthews (4099 9475) is Council's nominated contact officer to conduct witness and hold point inspections to compliment those required by the engineer.

PART 2 of 3	Pre-Start Meeting Process
2. Pre-Start Meeting	**2.7 Environmental Protection (Soil and Water Management)**
To be completed by meeting organiser	**a.** An engineer endorsed contractors Erosion and Sediment Control Plan has been provided for this project and has been reviewed and discussed at this meeting? **YES** ☐ **/ NO** ☐ * Comments on any omissions from the ESCP or suggested changes:
	b. In accordance with Council's Development Manual, during the construction period, the Consulting **Engineer shall randomly audit and inspect ESC measures** for compliance with the Engineer endorsed Contractors ESC Plan. **c.** **The Consulting Engineer is to provide a copy of the ESC Plan to all contractor** representatives (including landscape contractors) prior to the commencement of associated works on the site. **d.** **The developer or nominated representative shall be responsible for communicating with third party complainants** that may have been affected by dust, noise, sediments etc. leaving the site as a result of construction related activities. **e.** **All areas opened up to construction must be protected prior to every storm event and at the end of each working day. Failure to have all reasonable and relevant ESC measures in place, in the event of environmental harm being caused as a result of works being undertaken on this site, may result in action being taken by Council's EPU and/or the EPA. All ESC measures must be inspected, maintained and where necessary improved, expanded or reinforced after every storm event.** **f.** If any declared **weeds** are, or have been identified on the site, the Council are to be notified immediately for advice on what action needs to be taken. **g.** Council's preferred method of vegetation disposal is by chipping / shredding on site. **The burning of vegetation is not permitted under Council Policy.**
	h. Any land which contains **environmentally significant areas**, significant trees, trees with Preservation Declarations placed upon them, or areas specifically identified for protection and preservation as part of the Development Approval Notification must be discussed at the meeting. The Developer must take appropriate measures to identify, preserve and protect these areas prior to works commencing and throughout the duration of the project.
	To assist in this process, photographs may be taken of all significant features and stored in Council records. Photos taken: **YES** ☐ **/ NO** ☐ *
	2.8 Inspections by Council / Concurrence Agencies Council or Concurrence agency staff may undertake random visits to site during construction, and may also take photographs of the various work activities in progress.
	2.9 Council Requirements – Development Approval (DA) Conditions Refer to any specific DA conditions, which are not covered by OP WKS conditions:

PART 2 of 3	Pre-Start Meeting Process
2. Pre-Start Meeting	**2.10 Construction Requirements – Operational Works Approval Conditions**
To be completed by meeting organiser	**Third Party Agreement** Are works required in adjacent properties not owned by the developer? **YES** ☐ / **NO** ☐* this may include sewer connections, stormwater outlets, noise mounds etc. Have all agreements been provided to allow works to be conducted in these areas? **YES** ☐ **NO** ☐ **N/A** ☐ * Comments: **Hours Of Work** Work involving the operation of construction plant and equipment of any description, shall only be carried out on site: during the following times: a. 7:00 am to 6:00 pm, Monday to Friday; b. 7:00 am to 1:00 pm Saturdays; c. No work is permitted on Sundays or Public Holidays. Any variations to the above working hours must be authorised by the Chief Executive Officer, prior to the commencement of such works. **Landscaping** Council has approved a landscape plan: **YES** ☐ **NO** ☐ *(tick as appropriate) Comments: **a.** All **soft landscaping works will be subject to a minimum 3-month maintenance period**, prior to acceptance of the works by Council. Council must be advised of the date of completion for all planting works in order for a Council inspection to be conducted at the start of the three (3)-month period. The completion of the maintenance period shall coincide with the Final Works Acceptance inspection, or sooner by agreement. **b.** All **hard landscaping** works including, but not limited to: shelters, paths, play equipment, retaining walls, bollards etc. will be subject to a **minimum 12 months Defects Liability Period** after the Works Acceptance inspection. **c.** Any equipment maintenance manuals and details of specialised equipment and material suppliers are to be provided to Council prior to the Works Acceptance Inspection. **Structures and Retaining Walls** Separate building certification and/or structural **certification is required** for any works to alter existing structures, provide new structures or construct retaining walls that are over 900mm high. Certification by a suitably qualified engineer must be provided, prior to opening the work site to the public. **The Location of Stormwater Quality Interception Devices (SQIDS)** SQIDS shall be positioned to allow for economic and efficient maintenance operations, and will require a **reinforced concrete hard standing area to be provided from the edge of the carriageway** to the SQID location. Vehicular access from the public road reserve to the SQID must remain unrestricted.

PART 2 of 3	Pre-Start Meeting Process
2. Pre-Start Meeting **To be completed by meeting organizer**	**Sewer and Water** **a.** Douglas Shire Council requires a minimum of five (5) working days notice of intention to commence water and sewerage related works. The notice shall be given to the Senior Plumbing Inspector at Douglas Shire Council either in writing, by telephone (07) 4099 9479, facsimile (07) 40998 2902 or email to enquiries@douglas.qld.gov.au prior to the commencement of works. **b.** WATER: Douglas Shire Council must be contacted to perform any direct connection to live water mains whether being as a permanent connection, a connection for irrigation purposes or for construction water. Unless otherwise approved in writing, separate applications on the prescribed forms shall be made to Douglas Shire Council for connections, together with payment of the relevant fee. All connections are to be provided subject to the terms and conditions of Douglas Shire Council's 'Application for a Water Service Connection'. **c.** SEWER: Council's Senior Plumbing Inspector must be contacted to perform any direct connection to live sewer mains. Unless otherwise approved in writing, separate applications for approval on the prescribed forms shall be made to Douglas Shire Council for each connection together with payment of the relevant fee. All connections are to be provided subject to the terms and conditions of Douglas Shire Council's 'Application for Plumbing Works'. **d.** The developer shall be responsible for confirming the location of all existing sewer, water and utility service infrastructure prior to the commencement of works on site. Any permits necessary to alter/interfere with such services must be obtained prior to the commencement of work and be available for Council inspection if required. **e.** Any works over or within the zone of influence of Council's existing water and sewerage infrastructure must be approved by Douglas Shire Council, prior to the commencement of the proposed works. Unless otherwise approved in writing, existing infrastructure impacted by the development shall be subject to the maintenance period provisions contained in this Decision Notice. Construction works shall include any works that may impact on existing infrastructure such as, but not limited to, stripping and grubbing, mobilisation of heavy earthmoving equipment, site filling, stockpiling of materials and installation of erosion and sediment control measures. **Design Access for People with Disabilities** All footpaths, drains and ramps are to be designed in accordance with the Australian Standard to provide equal access for people with a disability, including limiting footpath longitudinal grades to maximum 1:8 and the provision of Tactile Ground Surface Indicators (TGSI's) as required **Cultural Heritage** The *Aboriginal Cultural Heritage Act* 2003 seeks to protect artefacts and cultural sites that are of significance to Aboriginal people. The Act requires anyone carrying out an activity to exercise a Duty of Care. Guidelines have been produced to enable assessment of sites under the Act. These are available from Queensland Government Natural Resources and Mines and can be downloaded from their website at www.dnrm.qld.gov.au. The work identified in the project documentation is likely to require assessment of the site under the Act. **Any Project Specific Conditions must be identified below**

OP WKS Condition #	Summary of condition

Use additional Sheet for more conditions if required

PART 2 of 3	**Pre-Start Meeting Process**
2. Pre-Start Meeting	**Other Business**
To be completed by meeting organiser	**a.** Earthworks for this project have been designed to be: { Balanced / in surplus / imported}* If surplus or imported, approx. quantity …… T / m3 * **b.** Is Early Plan Sealing likely in this project? **YES** ☐ **NO** ☐ * If 'YES' summarise any special requirements relating to this project **c.** Additional comments (if any):
PART 3 of 3	**Pre-Start Meeting Process**
3. Agreement	Based on the submitted information and the points discussed in the meeting, works **can / cannot *** proceed
To be completed by meeting organiser	Should works not be permitted, or additional information required, the following items must be addressed and presented to the Council or the engineer for approval.

The set of notes (Parts 1, 2 and 3) form the Pre-Start meeting minutes and are to be presented to Council for information and action as necessary. They must be presented in the form of a copy of the original document, scanned and forwarded to the Councils nominated contact officer in PDF format. Should the Engineer, developer or Council representative(s) not agree with this record of the meeting, this must be advised to the meeting organiser by Email or Fax within 48 hours of receipt. If this is the case, another meeting may be called and works may need to stop until all parties have reached agreement.

A COPY OF THE EARLY PLAN SEALING OR WORKS ACCEPTANCE TEMPLATE MUST BE USED FOR REQUESTING FUTURE MEETINGS

Meeting closed at … . : …….. am/pm

I confirm that these notes represent an accurate account of the issues discussed and comments made during the site meeting

Name of Engineer		
Signature		
Name of Company		
Telephone No	Office:	Mobile:
RPEQ No		
Date		