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28 May 2020

Administration Office 64 - 66 Front St Mossman P 07 4099 9444 F 07 4098 2902

 Enquiries:
 Neil Beck

 Our Ref:
 OP 2019\_3370/1 (952341)

 Your Ref:
 Q184103

Port Douglas Land Developments Pty Ltd C/- Cardno (Qld) Pty Ltd PO Box 1619 CAIRNS QLD 4870

Dear Sir

#### Development Application for Operational Works (Stage 1A & 1B Craiglie Subdivision) At Captain Cook Highway CRAIGLIE On Land Described as LOT: 2 TYP: SR PLN: 431

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

Please quote Council's application number: OP 3370/2019 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 design of lighting will be subject to separate agreement and must be submitted to Council, prior to the commencement of associated works; and
- 2. 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 9451.

Yours faithfully

For Paul Hoye Manager Environment & Planning

cc. State Assessment and Referral Agency (SARA) E: CairnsSARA@dilgp.qld.gov.au

encl.

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



# **Decision Notice**

Approval (with conditions)

Given under section 63 of the Planning Act 2016

Applicant Details		
Name:	Port Douglas Land Developments Pty Ltd	
Postal Address:	C/- Cardno (Qld) Pty Ltd PO Box 1619 CAIRNS QLD 4870	
Email:	or etp@etp.co.nz	
Property Details		

Street Address:	Captain Cook Highway CRAIGLIE			
Real Property Description:	LOT: 2 TYP: SR PLN: 431			
Local Government Area:	Douglas Shire Council			

# **Details of Proposed Development**

Development Permit for Operational Works (Operational Works (Stage 1A & 1B Craiglie Subdivision)

#### Decision

Date of Decision:

**Decision Details:** 

28 May 2020 Approved (subject to conditions)

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

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

#### **Civil Works**

Drawing No.	<b>Description</b>
Q184103-CI-1000	COVER SHEET
Q184103-CI-1001	DRAWING SCHEDULE AND LOCALITY PLAN
Q184103-CI-1002	NOTES
Q184103-CI-1003	OVERALL SITE PLAN SHEET 1 OF 2
Q184103-CI-1004	OVERALL SITE PLAN SHEET 2 OF 2

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Q184103-CI-1403 COMBINED SERVICES PLAN	Q184103-CI-1401	VEGETATION MANAGEMENT PLAN
	Q184103-CI-1402	
Q184103-CI-1404 RETAINING WALL DETAILS PLAN		
	Q184103-CI-1404	RETAINING WALL DETAILS PLAN

Drawing No.	Description
Q184103-CI-001	COVER SHEET
Q184103-CI-002	GENERAL NOTES
Q184103-CI-003	PUMP STATION SITE PLAN
Q184103-CI-004	PUMP STATION PLAN AND SECTION
Q184103-CI-005	FUTURE SEWERAGE RISING MAIN PLAN AND LONGITUDINAL
	SECTION SHEET 1
Q184103-CI-006	FUTURE SEWERAGE RISING MAIN PLAN AND LONGITUDINAL
	SECTION SHEET 2
Q184103-CI-007	FUTURE SEWERAGE RISING MAIN PLAN AND LONGITUDINAL
	SECTION SHEET 3
Q184103-CI-008	WATERMAIN CONNECTION DETAILS SHEET 1
Q184103-CI-009	WATERMAIN CONNECTION DETAILS SHEET 2
Q184103-CI-010	SEWERAGE RISING MAIN PLAN AND LONGITUDINAL SECTION
Q184103-CI-011	CULVERT CROSSING

#### Landscape Plans

Drawing No.	<b>Description</b>
1902-016/CD/L0.01	COVER SHEET
1902-016/CD/L1.01	LANDSCAPE PLAN
1902-016/CD/L2.01	STANDARD DETAILS
1902-016/CD/L3.01	STANDARD SPECIFICATIONS

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

#### Assessment Manager Conditions & Advices

### 1. General

- a. Drawings must be submitted "for construction" and must be certified as approved by a registered professional engineer of Queensland (RPEQ).
- b. "For construction drawings" and/or product information and supplier warranties are required to be submitted for the following design elements:
  - i. FRP Packaged Sewerage pump station; and
  - ii. Sewerage pump station controls, SCADA and telemetry.

This information must be provided prior to the pre-start meeting (or such other timeframe agreed with Council) and the elements are not approved unless confirmed by Council in writing.

#### 2. Earthworks

a. 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.

b. Earthworks areas outside the footprint of the stage for the drain and the fill area are to be clearly delineated at the prestart meeting and inspected with Council and the Contractor to ensure there is understanding on the allowable works area, haul routes etc.

# 3. Roads and Paths

- a. "For Construction" drawings are to be provided prior to the prestart meeting and are to be generally in accordance with the drawings provided by Cardno on 21 May 2020, except as modified below.
  - i. Provide revised drawings for road grading at the intersection of Road 2 and Wabul Drive to minimise the potential ponding in Road 2 in high rainfall events.
  - ii. In accordance with discussions between Cardno and Council Officers, measures are to consider lowering the road crown at the tip out to below RL4.05m AHD by a combination of localised reduced crossfall to 2% on Wabul Drive and reducing the Road 2 levels at the sag point (Approximate Road chainage 16m).

Advice Note: the intent of this condition is to minimise ponding within Road 2 and Road 3. Accordingly, Road 3 levels and Road 2 levels from at the frontage of Lot 2 are not to be lowered in responding to this condition.

- b. Pavement design details are to be confirmed prior to pavement construction. Details provided to Council shall include subgrade CBR results for each pavement section, confirmation of traffic loadings adopted (as per FNQROC requirements) and final pavement design.
- c. Provide updated drawings showing additional detail including levels and set out for the proposed retaining walls on Wabul Drive between Ch 27 and the culvert crossing. Localised site plans of the works are to be provided and must include proposed height of the walls, offset to boundaries, existing pits, proposed pathway and horizontal and vertical clearances to services to confirm the constructability of the walls within the existing road reserve. Council recommends this detail be provided in advance of the prestart meeting to enable further review and discussion on site. The works in the existing verge must not be constructed until this element is approved.

# 4. Stormwater

- Provide updated "For Construction" drawings generally in accordance with the drawings provided by Cardno on 21 May 2020, confirming stormwater Pits 5/1 and 6/1 have been amended from the verge to avoid clashing with water services.
- b. The proposed water supply crossing to Road 3 is to be reviewed following the required amendments to Pit 5/1 and revised drawings are to be provided confirming clearance between the water and stormwater assets.
- c. Revised drawings must be provided to demonstrate that the drainage system is free draining and does not create a ponding and vector control issue for the adjacent

new lots. Revisions are to be generally in accordance with the drawings provided by Cardno on 21 May 2020.

- Updated drawings are required to confirm that the level at the end of the Eastern Diversion Drain (Ch 93.802) is not lower than the level of the northern drain at Point 16.
- e. The Eastern Diversion Drain is to include concrete channel lining of sufficient width and depth to contain the peak flow from the rainfall event with an average recurrence interval of 3-months.
- f. The interface between drainage outlet 10/1 and the Eastern Diversion Drain is to be documented on revised drawings for Council's approval. The revised drawings must demonstrate that there is appropriate fall from the pipe system into the open drain and address the risk of ponding into the pipe system. The drain invert is to be concrete lined downstream from the headwall.

### 5. Sewer

- a. Confirmation of the services in the verge is required to confirm the location of the discharge manhole. Council's preference is that the manhole is not located in the traffic lane. Potholing of the existing services is to be undertaken and a site meeting convened with Council to confirm the final location of the manhole.
- b. The extent of the ultimate sewage rising main proposed to be constructed under the current works package is to be confirmed. Note: Council will not reimburse the costs of trunk infrastructure until such time that it is put into service and performing a trunk function.

For the proposed extent of the sewage rising main, detailed drawings for the construction limits are to be provided for review and Council approval prior to the prestart meeting. The drawings must include plan and longitudinal sections showing set out, grading and clearances horizontal and vertical. Air release locations, scour points, thrust blocks and any other design information must be clearly shown on the drawings as required per the FNQROC Development Manual.

- c. Subject to the extent determined in response to Condition 5b. above, the are some components of the future works that must be completed now to minimise disturbance of the road. In particular, the future sewage main road crossing of Wabul Drive must be resolved prior to completion of the road. If the swage main is not being completed under Condition 5b. above, additional plans are to be provided showing either:
  - i. construction of the road crossing and other identified constrained section(s) now with capping of the completed pipe(s); or
  - ii. Provision of enveloper pipe for the future main.
- d. Sewage Pump Station: the proposed FRP Packaged Sewage Pump Station is accepted in principle, however the applicant must provide Council with a copy of the "For Construction" drawings for the pump station prior to placing the order with the supplier. Council approval of the "For Construction" plans will be a holdpoint on this item.
- e. Details of the pump station switchboard, SCADA and telemetry are to be confirmed with Council's Water and Sewerage department prior to construction. All requirements to provide consistent operating systems are to be included in the works at no cost to Council. The requirements of the Douglas Shire Council Specific

Clauses of FNQROC (D7.25 Telemetry Systems) must be included in the documentation. The applicant is advised to confirm these requirements with Council's Water and Sewer Officers at the earliest opportunity to avoid project delays.

f. A commissioning plan for the sewage pump station is to be provided to Council for approval prior to the commissioning works commencing. The methodology should be submitted a minimum of 3 weeks prior to the commissioning to enable council to review and approve.

### 6. Water

- a. The water reticulation layout is to be in accordance FNQROC Development Manual Guidelines which require the inclusion of a Rider Main on the opposite side of the street, (Design Guideline D6 Appendix A Clause 5.8 refers). The layout is to be generally as represented on Revision A of the Water Layout Plan shown on Cardno Drawing Q184103-CI-1350, except where modified below:
  - i. All road crossings are to be 100mm DICL,
  - ii. Hydrants are to be shown dimensionally correct and separate to the Tee fittings at junctions,
  - iii. All hose connection tappings are to be completed by the developer and the individual water service connections extended into the property by 0.5m. The property connections are to be located in the mid-point of the lot frontages unless otherwise approved by Council.
- 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.

# 7. 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.

#### 8. Landscape Plan

The use of Barringtonia species as street trees is not supported due to the size of seed produced. An amended Landscape Plan is required which nominates street trees as contained in the list which forms part of Attachment 1.

### 9. Miscellaneous

a. As required in Condition 12 a. of the Reconfiguration of a Lot Decision Notice, the applicant is to provide costing for the proposed culvert on Wabul Drive based on the approved drawings.

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 street lights 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.
- f. Advice Note: The Master Plans submitted to support the infrastructure locations and sizing of Stage 1A and 1B infrastructure are not approved as part of this operational works. The approval of Stage 1A and 1B does not imply approval of future layouts or lot yield, which will be subject to future applications and will be assessed at that time. Council notes that the layout for the southern intersection with the Captain Cook Highway and the absence of connectivity to Andreasson Road is not supported.

# Further Development Permits

Not applicable

#### **Concurrence Agency Response**

Referral Agency	Referral Agency Reference	Date	Council Electronic Reference
State Assessment & Referral Agency (Department of Infrastructure, Local Government & Planning	1912-14552 SRA	20 March 2020	946318

Refer to Attachment 2: Concurrence Agency Requirements. (Please note that these conditions / requirements may be superseded by subsequent negotiations with the relevant referral agencies).

**Note** – Concurrence Agency Response is attached. This Concurrence Agency Response maybe amended by agreement with the respective agency.

This approval, granted under the provisions of the *Planning Act 2016*, shall lapse two (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 are attached.

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Q184103-CI-1000 В Drawing Name

Caims QLD 4870 Tel: 07 4034 0500

SCHEDULE OF DRAWINGS     DRAWING No. DESCRIPTION     O194/103-C1-1000 COVER SHEET     O194/103-C1-1001 DRAWING SCHEDULE AND LOCALITY PLAN     O194/103-C1-1001 DRAWING SCHEDULE AND LOCALITY PLAN     O194/103-C1-1002 NOTEs	LEGEND: EXTENT OF WORKS SITE ACCESS	$\bigcirc$
Darabochical         Notes           Disknoschical         OVERALL SITE PLAN SHEET 1 OF 2           Disknoschical         OVERALL SITE PLAN SHEET 1 OF 2           Disknoschical         Disknoschical           Disknoschical         Debuktic Controls           Disknoschical         SEDMENT CONTROL DETAILS SHEET 1 OF 2           Disknoschical         Disknoschical           Disknoschical         SEDMENT CONTROL DETAILS SHEET 1 OF 2           Disknoschical         Disknoschical           Disknoschical         Robochical           Disknoschical         Disknoschical           Disknoschical         Robochical           Disknoschical         Disknoschical           Disknoschical         Robochical           Disknoschical         Disknoschical           Disknoschical	EXISTING DRAIN CUTOUT EXISTING STOCKPILE PORT DOUGLAS ESTATE STAGES 1A & 1B EXCESS FILL AREA	
Stockholz         STORMWATER LAYOUT PLAN           0144103-CI-1250         STORMWATER LAYOUT PLAN           0144103-CI-1221         STORMWATER CARCHMENT PLAN           0144103-CI-1223         STORMWATER LONGTUDINAL SECTIONS SHEET 1 OF 2           0144103-CI-1223         STORMWATER LONGTUDINAL SECTIONS SHEET 2 OF 2           0144103-CI-1221         STORMWATER CALCULATION TABLES SHEET 1 OF 2           0144103-CI-1221         CULVERT EXCTION FAM.           0144103-CI-1221         CULVERT EXCTION FAM.           0144103-CI-1221         CULVERT EXCTION FAM.           0144103-CI-1221         CULVERT EXCTION FAM.           0144103-CI-1226         CULVERT EXCTION FAM.           0144103-CI-1226         CULVERT EXCTION FAM.           0144103-CI-1226         EXISTING DRAIN COBS SECTIONS SHEET 1 OF 3           0144103-CI-1228         EXISTING DRAIN COBS SECTIONS SHEET 1 OF 3           0144103-CI-1226         EXISTING DRAIN COBS SECTIONS SHEET 1 OF 3           0144103-CI-1226         EXISTING DRAIN COBS SECTIONS SHEET 1 OF 2           0144103-CI-1227         EXISTING DRAIN COBS SECTIONS SHEET 1 OF 2           0144103-CI-1226         EXISTING DRAIN COBS SECTIONS SHEET 1 OF 2           0144103-CI-1226         EXISTING DRAIN COBS SECTIONS SHEET 1 OF 2           0144103-CI-1227         EXISTING DRAIN CHOSS SECTIONS SHEET 1 OF 2		
IB-CHI NORM INTO LANGUAGUNA	HORZONTAL DATUM GOA Nº VOE CORS (SMARTNET AUG) HIRDOLAR MÓA ZONE SS VOE CORS VERTICAL DATUM ARCO VOE PHSORIE RL: 8.533 LOCALITY PLAN BCALE 1.3000m COMPANY AND ALCONAL DATUM ARCO VOE PHSORIE RL: 8.531 COMPANY AND ALCONAL DATUM ARCO VOE PHSORIE RL: 8.531 AND REAS SERVICE VOE CONSERVICE AUG VERTICAL DATUM ARCO VOE PHSORIE RL: 8.531 AND REAS SERVICE VOE CONSERVICE AUG VERTICAL DATUM ARCO VOE PHSORIE RL: 8.531 AND REAS SERVICE VOE CONSERVICE AUG VERTICAL DATUM ARCO VOE PHSORIE RL: 8.531 AND REAS SERVICE VOE CONSERVICE AUG VERTICAL DATUM ARCO VOE PHSORIE RL: 8.531 AND REAS SERVICE VOE CONSERVICE AUG VERTICAL DATUM ARCO VOE PHSORIE RL: 8.531 AND REAS SERVICE VOE CONSERVICE AUG VERTICAL DATUM ARCO VOE PHSORIE RUE AU	
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#### GENERAL

#### C1 IF IN DOUBT ASK.

- G2 THESE DRAWINGS SHALL BE READ IN CONJUNCTION WITH THE SPECIFICATIONS INCLUDING FNQROC AND ALL INFORMATION ISSUED BY THE SUPERINTENDENT DURING THE COURSE OF THE CONTRACT AND INCLUDES THE DOUGLAS SHIRE COUNCIL DECISION NOTICE.
- G3 ALL LEVELS ARE TO AHD
- G4 ALL CO-ORDINATES ARE TO MGA ZONE 55.
- 05 ALL SET OUT SHALL BE RELATED TO ROAD CENTRE LINES. G6 ALL DIMENSIONS AND RADII ARE EXPRESSED IN METRES (UNO).
- DRAWINGS SHALL NOT BE SCALED.
- G8 EXISTING CONTOURS, LEVELS AND FEATURES SHOWN ON THE DRAWINGS ARE INDICATIVE ONLY AND ARE
- BASED ON SURVEY DRAWINGS AND DATA PROVIDED BY CARDNO (OLD) PTY LTD CONSULTING SURVEYORS. G9 ALL DIMENSIONS RELEVANT TO SETTING OUT, SURFACE LEVELS AND INVERT LEVELS SHALL BE VERIFIED BY
- THE CONTRACTOR PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO THE SUPERINTENDENT.
- G10 THE CONTRACTOR SHALL ENSURE THAT ALL WORKS ARE MAINTAINED IN A SAFE AND STABLE CONDITION AND THAT ADEQUATE PROTECTION AGAINST EROSION AND SILTATION IS IN PLACE. G11 WORKMANSHIP AND MATERIALS ARE TO BE IN ACCORDANCE WITH THE RELEVANT STANDARDS AND THE
- REQUIREMENTS OF DOUGLAS SHIRE COUNCIL AND OTHER AUTHORITIES SHALL BE MAINTAINED. G12 GRADE EVENLY BETWEEN LEVELS SHOWN EXCEPT WHERE LEVELS INDICATE VERTICAL CURVES.
- G13 THE CONTRACTOR SHALL BE RESPONSIBLE FOR EROSION PROTECTION AND SEDIMENT CONTROL FOR THE WORKS AS SPECIFIED AND TO THE SATISFACTION OF DOUGLAS SHIRE COUNCIL.
- G14 REFER FNOROC DEVELOPMENT MANUAL

#### SITE CLEARANCE

- C1 THE SITE SHALL BE CLEARED ONLY TO THE EXTENT NECESSARY TO PERMIT CONSTRUCTION OF THE PERMANENT C2 AREAS TO BE USED FOR STOCKPILING EXCESS EXCAVATED MATERIALS SHALL BE CLEARED AND STRIPPED OF
- TOPSOIL AND OTHER UNSUITABLE MATERIAL C3 ALL ITEMS NOMINATED ON THE DRAWINGS TO BE REMOVED ARE TO BE DISPOSED OF OFF SITE. REMOVED
- VEGETATION IS TO HAVE ALL ROOTS GRUBBED OUT AND DISPOSED OF OFF SITE. ALL OFFSITE DISPOSAL IS AT CONTRACTORS EXPENSE.

#### EARTHWORKS

- E1 DRY DENSITY RATIO AS REFERRED TO IN THESE NOTES IS THE RATIO DETERMINED IN ACCORDANCE WITH AS1289.5.4.1 OF COMPACTED DRY DENSITY IN ACCORDANCE WITH AS1289.5.3.1 OR AS1289.5.8.1 TO THE STANDARD MAXIMUM DRY DENSITY DETERMINED IN ACCORDANCE WITH AS1259.5.1.11 (STANDARD COMPACTION)
- E2 STRIP ALL VEGETAL MATTER, TOPSOIL AND OTHER UNSUITABLE MATERIAL FROM AREAS TO BE EXCAVATED OR FILED. STOCKFILE SUITABLE TOPSOL MATERIAL IN APPROVED LOCATIONS FOR SUBSEQUENT RE-USE. E3 EXCAVATE AS REQUIRED AND DEPOSIT EXCAVATED MATERIAL AS NECESSARY. COMPACT SURFACES EXPOSED
- BY STRIPPING OR EXCAVATION TO 98% DRY DENSITY RATIO TO A DEPTH OF AT LEAST 250mm, SHOULD ANY SOFT OR UNSUITABLE MATERIAL REIDENTIFIED SEEK THE ADVICE OF THE SUPERINTENDENT
- E4 COMPACT FILL TO 98% DRY DENSITY RATIO IN LAYERS OF THICKNESS APPROPRIATE TO THE COMPACTION PLANT EMPLOYED BUT NOT EXCEEDING 200mm
- E5 ALL MATERIALS WITHIN 300mm BELOW ROAD PAVEMENT/SUBGRADE INTERFACE SHALL BE COMPACTED TO 98% DRY DENSITY RATIO. E6 IN PLACING FILL IN AND AROUND ROAD FOOTPATHS AND BATTERS ALLOW FOR TOPSOIL THICKNESS AS
- DETERMINED ON BASIS OF ACTUAL TOPSOIL MATERIALS BALANCE E7 ALL AREAS EXPOSED BY EARTHWORKS SHALL BE TOPSOLED AND GRASSED BY DRILL SEEDING EXCEPT THAT HYDROMULCHING IS REQUIRED ON BATTERS STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL ALL AREAS TO BE GRASSED WILL HAVE 80% ROOT MAT AT THE END OF DEFECTS LIABILITY PERIOD AND SHALL BE
- FREE OF ROCK AND LOOSE STONE WHEN WORKS ARE TAKEN 'ON MAINTENANCE'. E8 CONTROL TESTING OF BULK EARTHWORKS SHALL BE UNDERTAKEN IN ACCORDANCE WITH A.S.3798 - 2007. E9 ALL EARTHWORKS ARE TO BE CONTROLLED BY LEVEL 1 INSPECTION AND TESTING BY A QUALIFIED
- GEOTECHNICAL, TESTING AND INSPECTION AUTHORITY.
- E10 COMPACTION TEST FREQUENCY FOR EARTHWORKS ARE TO BE IN ACCORDANCE WITH TABLE 8.1 OF AS3798-2007.
- E11 MINIMUM RELATIVE COMPACTION STANDARDS FOR EARTHWORKS ARE TO BE IN ACCORDANCE WITH TABLE 5.1 OF A53798-2007
- E12 FOR SETTING OUT DETAILS OF ROADS AND KERB REFER TO TYPICAL CROSS SECTIONS, ROAD SETTING OUT DETAILS AND INTERSECTION DETAILS.
- E13 LOTS ARE TO BE GRADED EVENLY BETWEEN FINISHED SURFACE LEVELS SHOWN UNLESS OTHERWISE NOTED. E14 EXCESS MATERIAL FROM EXCAVATION IS TO BE MOVED TO FUTURE STAGE
- E15 REFER VEGETATION MANAGEMENT PLAN FOR CLEARING DETAILS
- E16 ALL EXISTING SERVICES SHALL BE CHECKED FOR CLEARANCE PRIOR TO CONSTRUCTION.
- E17 ENISHED SUBFACE LEVELS SHOWN ON ALL OTMENTS / EXCLUDING VERCES) ARE AT COMPLETION OF
- EARTHWORKS AND TOPSOLING.
- E18 ALL AREAS EXPOSED BY EARTHWORKS SHALL BE TOPSOILED AND GRASSED BY DRILL SEEDING EXCEPT THAT HYDROMULCHING IS REQUIRED ON BATTERS STEEPER THAN 1 VERTICAL TO 4 HORIZONTAL. ALL AREAS TO BE GRASSED WILL HAVE 80% ROOT MAT AT THE END OF DEFECTS LIABILITY PERIOD AND SHALL BE FREE OF ROCK AND LOOSE STONE WHEN WORKS ARE TAKEN "ON MAINTENANCE"
- E19 WHERE BATTERS FRONT A ROAD, ENSURE THERE IS AN EXTENSION OF VERGE GRADE INTO LOT WITH GRADE TO MATCH, REFER FNOROC STD, DWG, S1005 FOR DETAILS

#### DRAINAGE

- D1 STORMWATER DRAINAGE PIPE SHALL BE RCP FJ CLASS 2 PIPE UND, JOINTS TO HAVE MANUFACTURER APPROVED BANDS AT ALL JOINTS TO PREVENT MOVEMENT OF FINE MATERIAL THROUGH JOINT 4.g. ROCLA SAND BANDS
- D2 BEDDING SHALL BE TYPE HS2 AS SPECIFIED IN AS3725.
- D3 PIPE LAYING SHALL COMMENCE AT THE DOWNSTREAM END OF THE WORKS AT ALL TIMES.
- D4 STORMWATER HEADWALLS TO BE CONSTRUCTED AS DETAILED ON FNOROC STANDARD DRAWING \$1080. SEEK SUPERINTENDENTS APPROVAL OF VARIATION PRIOR TO CONSTRUCTION. LIDS SHALL BE CAST AFTER COMPLETION OF ALL EARTHWORKS
- D5 STORMWATER KERB INLET PITS TO BE CONSTRUCTED AS DETAILED ON FNOROC STANDARD DRAWINGS \$1050, \$1055 AND \$1080 U.N.O. REFER PLANS FOR POSITION OF LINTEL IN RELATION TO GRATE. THE NOTATIONS OF "SAG" AND 10N-GRADE" ON DRAINAGE LONG SECTIONS RELATES TO FLOW CHARACTERISTICS - NOT GRATE/LINTEL ARRANGEMENT
- D6 ALL 'FINISHED SURFACE LEVELS' ON STORMWATER LONG SECTIONS ARE BASED ON TOP OF KERB FOR KERB INLETS
- OR TOP OF MANHOLE FOR MANHOLES AND GPT'S. D7 SUBSOL DRAIN MIN GRADE 0.5%. REFER FNGROC STD DWG \$1095 FOR DETAILS
- D8 ALL STORMWATER DRAINAGE LINES SHALL HAVE CCTV SURVEY COMPLETED IN ACCORDANCE WITH THE ENOROCIDEVELOPMENT MANUAL
- D9 ALL TOP OF PIT, INLETS AND GPT UNITS TO BE CONFIRMED BY CONTRACTOR ON SITE PRIOR TO ORDERING ANY VARIATION IN LEVELS FROM THE DESIGN PLANS TO BE REPORTED TO THE SUPERINTENDENT D10 ALL TOP OF PIT. INLETS AND GPT UNITS TO BE CONFIRMED BY CONTRACTOR ON SITE PRIOR TO ORDERING.
- ANY VARIATION IN LEVELS FROM THE DESIGN PLANS TO BE REPORTED TO THE SUPERINTENDENT
- D11 STORMWATER INFRASTRUCTURE TESTING AND HOLD POINTS SHALL BE AS PER THE FNOROC "CONSTRUCTION PROCEDURES\* MANUAL

#### WATER

- W1 CONTRACTOR SHALL ADVISE DOUGLAS SHIRE COUNCIL PRIOR TO UNDERTAKING ANY SEWERAGE AND WATER RELATED WORK.
- W2 COMPLY WITH FNOROC STANDARD DRAWINGS
- W3 POTABLE WATER MAINS TO BE INSTALLED 2.80m FROM PROPERTY BOUNDARY U.N.O. CENERALLY IN ACCORDANCE WITH ENOROCISTD, DWG \$1010
- W4 CONNECTION TO EXISTING MAINS TO BE CARRIED OUT BY DOUGLAS SHIRE COUNCIL AT THE CONTRACTOR'S EXPENSE. W5 ALL PVC WATER MAINS SHALL BE CLASS 16 PVC-M RUBBER RING JOINTED U.N.O.
- ALL DICL WATER MAINS SHALL BE PN35 DICL RUBBER RING JOINTED U.N.O.
- ALL 630 POLY PIPES SHALL BE MOPE CLASS 16.
- W6 WATER MAINS 2250 OR GREATER SHALL HAVE \$00mm MINIMUM COVER. W7 BEDDING AND SURROUND TO PIPES AND FITTINGS SHALL BE IN IN ACCORDANCE WITH FNOROC STANDARD DRAWING \$2016
- W8 HYDRANTS AND VALVES ARE TO BE NYLON POWDER COATED OR EQUIVALENT AND HYDRANTS ARE TO BE OF THE MAXIFLOW TYPE
- W9 HYDRANTS TO BE IDENTIFIED BY KERB MARKER PLATE AND BLUE RETRO-REFLECTIVE MARKER IN ACCORDANCE WITH ENGROC STANDARD DRAWING \$2010 & \$2005
- W10 VALVES TO BE IDENTIFIED BY KERB MARKER PLATE AND YELLOW RETRO-REFLECTIVE MARKER IN ACCORDANCE WITH FNGROC STANDARD DRAWING \$2010 W11 WATER MAINS CROSSING ROADS SHALL BE PN35 DICL FOR THE FULL ROAD CROSSING WIDTH, FINISHING 100mm
- BEHIND THE BACK OF KERB AND CHANNEL AT A MINIMUM AND AS SHOWN ON THE DRAWINGS W12 MINIMUM TEST PRESSURE OF WATER MAINS SHALL BE 1200kPa. IN ACCORDANCE WITH DOUGLAS SHIRE COUNCIL
- AND FNOROC SPECIFICATIONS. W11 EXISTING HYDRANTS OR VALVES SHALL BE PROVIDED WITH NEW COVER BOXES AND SURROUNDS AS PER
- FNQROC STD. DWGS. 52000 AND 52005 W14 WHERE VALVE SURROUNDS ARE TO BE SET IN CONCRETE, A COMPRESSIBLE LAYER IS TO BE PROVIDED TO ALLOW
- FOR MAINTENANCE
- W15 LOWER WATER MAIN UNDER ROADS AS NECESSARY TO AVOID SUBGRADE IMPROVEMENT LAYER IF APPLICABLE W18 WATER INFRASTRUCTURE TESTING AND HOLD POINTS SHALL BE AS PER THE FNQROC "CONSTRUCTION PROCEDURES" MANUAL.

#### SEWER

- S1 PROPERTY CONNECTION BRANCHES SHALL BE 100 DIA. AND TERMINATE AT THE INLET END OF THE INSPECTION PIPE. THE END SHALL BE SEALED WITH PLUG AND CLIP AND THE INVERT LEVEL OF THE BEND SHALL BE AS DIRECTED BY THE SUPERINTENDENT.
- 52 ALL SEWER MAINS SHALL BE 150 DIA. UPVC CLASS DWV SN10 R.R.J. UNLESS NOTED OTHERWISE.
- 83 MANHOLE LIDS TO BE CONSTRUCTED 50mm ABOVE GROUND LEVEL OR FLUSH WITH PATHWAYS, ROADWAYS AND PAVED SURFACES 54 ENSURE MANHOLES ARE 15m CLEAR ON 3 SIDES FROM BATTERS, STEEPEN BATTERS LOCALLY IF REQUIRED
- MEASUREMENT TAKEN AS A RADIUS AROUND THE CENTRE OF LID.
- 85 ENSURE MANHOLES ARE MIN 0.1m CLEAR FROM PROPERTY BOUNDARIES 86 ENSURE HCBs ARE MIN 0.5m CLEAR FROM PROPERTY BOUNDARIES
- 57 WHERE SEWER IS IN VERGE, E2 HCB's SHALL EXTEND PAST TOP OF BATTER MIN 1.0m

#### 58 SEWER INFRASTRUCTURE TESTING AND HOLD POINTS SHALL BE AS PER THE FNOROC "CONSTRUCTION PROCEDURES" MANUAL

#### GEOTECHNICAL

- GT1 ETS GEOTECHNICAL HAVE PREPARED A GEOTECHNICAL INVESTIGATION REPORT DATED AUGUST 2019. THE CONTRACTOR IS TO COMPLY WITH THE REPORT OR NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
- GT2 ALL EARTHWORKS SHALL BE SUPERVISED IN ACCORDANCE WITH L1 OF AS3798. THE CONTRACTOR SHALL EMPLOY AN RPED GEOTECHNICAL CONSULTANT WHO SHALL PROVIDE A CERTIFICATE THAT THE WORKS HAVE BEEN COMPLETED SATISFACTORY IN ACCORDANCE WITH THE SPECIFICATION AND TO LEVEL 1 OF AS 3798.
- GT3 ALL BATTERS STEEPER THAN 1 IN 2 AND HIGHER THAN 1.5m ARE TO BE CHECKED BY A GEOTECHNICAL ENGINEER AND CERTIFIED AS TO THEIR STABILITY TO SATISFY DOUGLAS SHIRE COUNCIL.
- GT4 ALL STRUCTURE DESIGN CRITERIA SHALL BE CONFIRMED ONCE A GEOTECHNICAL INVESTIGATION HAS BEEN COMPLETED. THIS INCLUDES PAVEMENT DESIGN
- GT5 ALL BATTERS TO BE CONFIRMED BY GEOTECHNICAL INVESTIGATION RECOMMENDATIONS

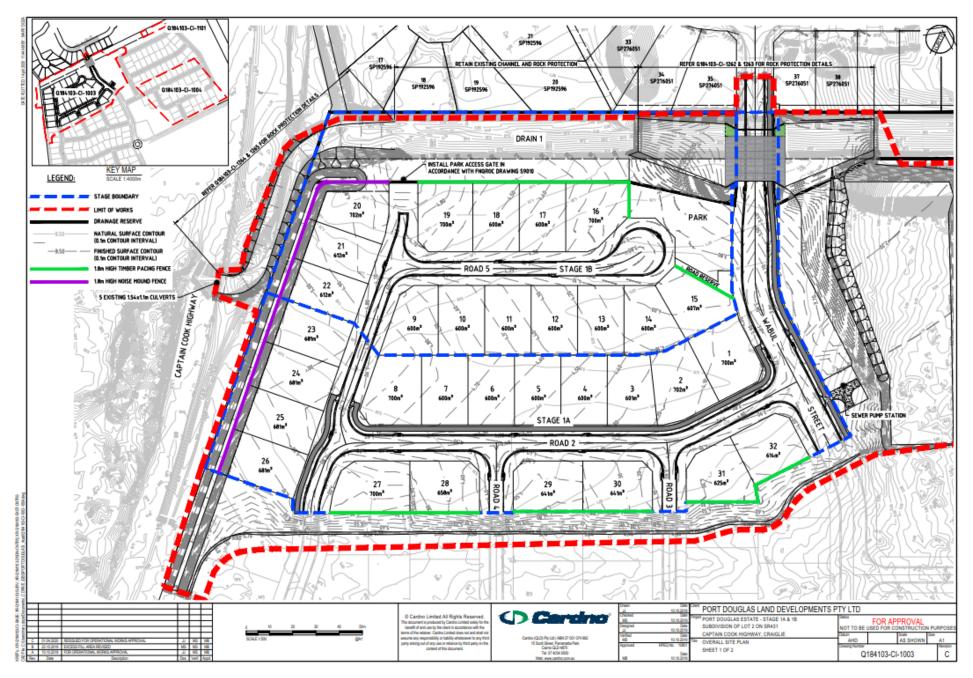
#### ROADWORKS

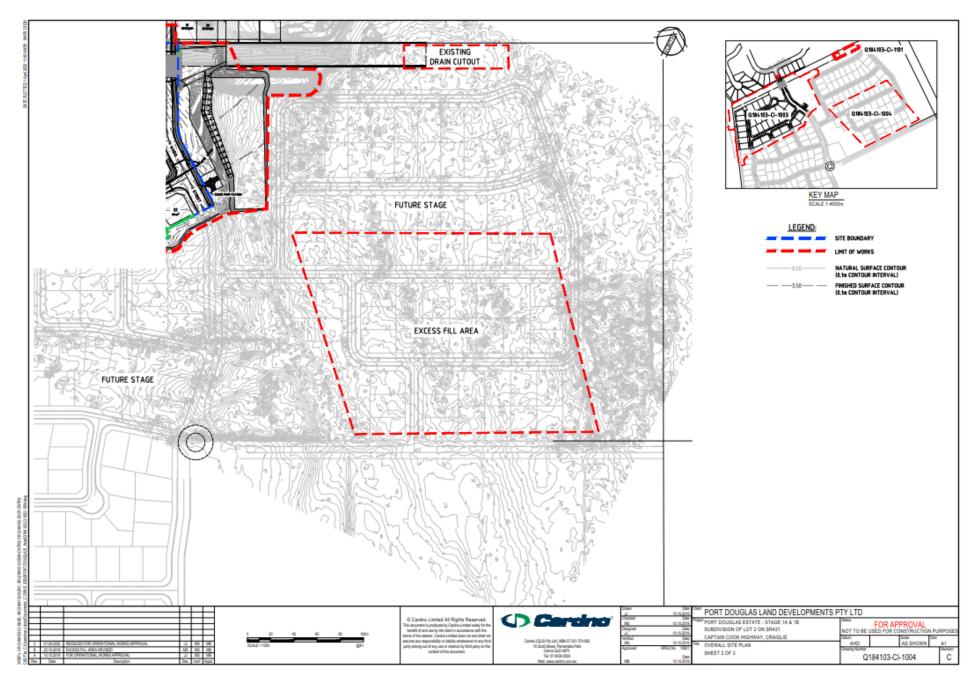
- R1 PAVEMENT DESIGN IS BASED ON SUBGRADE RESULTS AS PER GEOTECHNICAL REPORT AND IS SUBJECT TO REVISION ON THE BASIS OF CONFIRMATORY CBR TESTS OF THE SUBGRADE AT TIME OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE 7 No. CONFIRMATORY SUBGRADE SOAKED CBR TESTING TO THE SUPERINTENDENT AS SOON AS POSSIBLE LOCATIONS TO BE AGREED WITH THE SUPERINTENDENT
- R2 EXCAVATE OR FILL AS NECESSARY TO PAVEMENT/SUBGRADE INTERFACE AS DESCRIBED IN THE SPECIFICATION AND EARTHWORKS NOTES
- R3 PRIOR TO PLACING ROAD PAVEMENT MATERIAL THE SUBGRADE SHALL BE TESTED AND PROOF ROLLED IN THE PRESENCE OF THE SUPERINTENDENT AND DOUGLAS SHIRE COUNCIL'S INSPECTING OFFICER.
- R4 PAVEMENT CONSTRUCTION DETAILS SHALL BE AS SHOWN ON DRAWINGS R5 SUBGRADE AND PAVEMENT TESTING AND HOLD POINTS SHALL BE AS PER THE ENOROC "CONSTRUCTION
- PROCEDURES\* MANUAL

SAFETY IN CONSTRUCTION

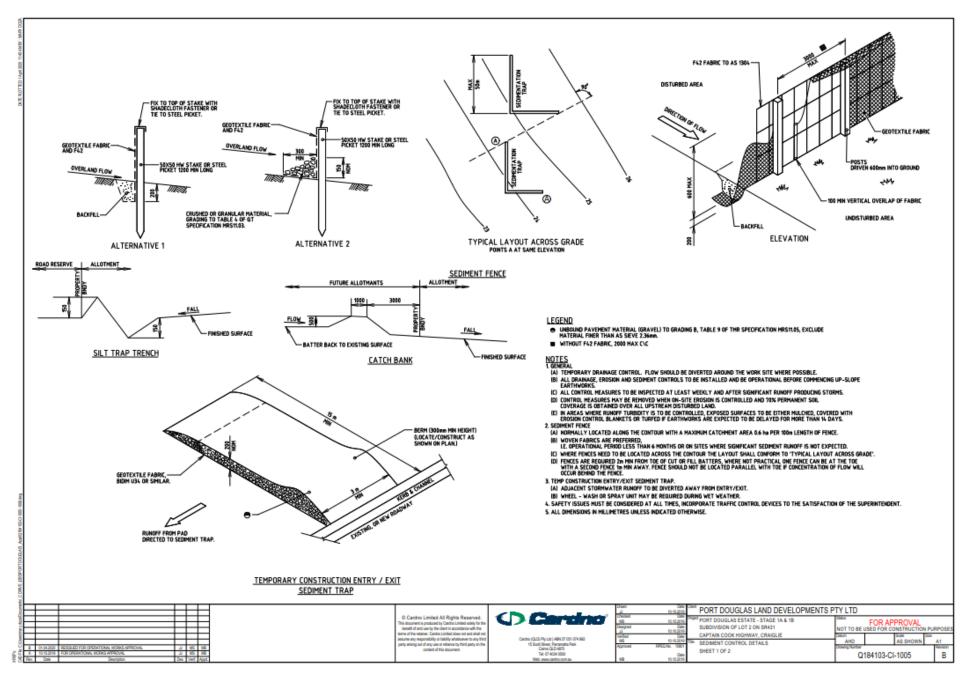
ONSTRUCTION ACTIVITY CAN BE HAZARDOUS. POTENTIAL SAFETY HAZARDS CONSIDERED BY THE DESIGNERS TO HAVE A HIGHER RISK THAN NORMAL CONSTRUCTION ACTIVITY ARE IDENTIFIED WITH APPROPRIATE NOTES ON THESE DRAWINGS. IT SHOULD BE NOTED THAT DESIGNERS HAVE A LOWER UNDERSTANDING OF THE RISKS INVOLVED IN CONSTRUCTION COMPARED WITH THAT OF A COMPETENT CONTRACTOR. IT IS THEREFORE ESSENTIAL THAT AN ADEQUATE SAFETY PLAN FOR THE WORKS IS REPARED BY THE CONTRACTOR. 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 LOV LEVEL RISKS OF HAZARDS INVOLVED IN THE PROJECT. APPROPRIATE WORK METHOD STATEMENTS ARE TO BE PREPARED FOR ANY HIGH RISK ACTIVITY BY THE CONTRACTOR. THE DESIGNERS ARE AVAILABLE TO BE INSULTED WHEN REQUIRED CONCERNING THEIR AREA OF CONTROL WITH REGARD TO SAFETY PLANS.

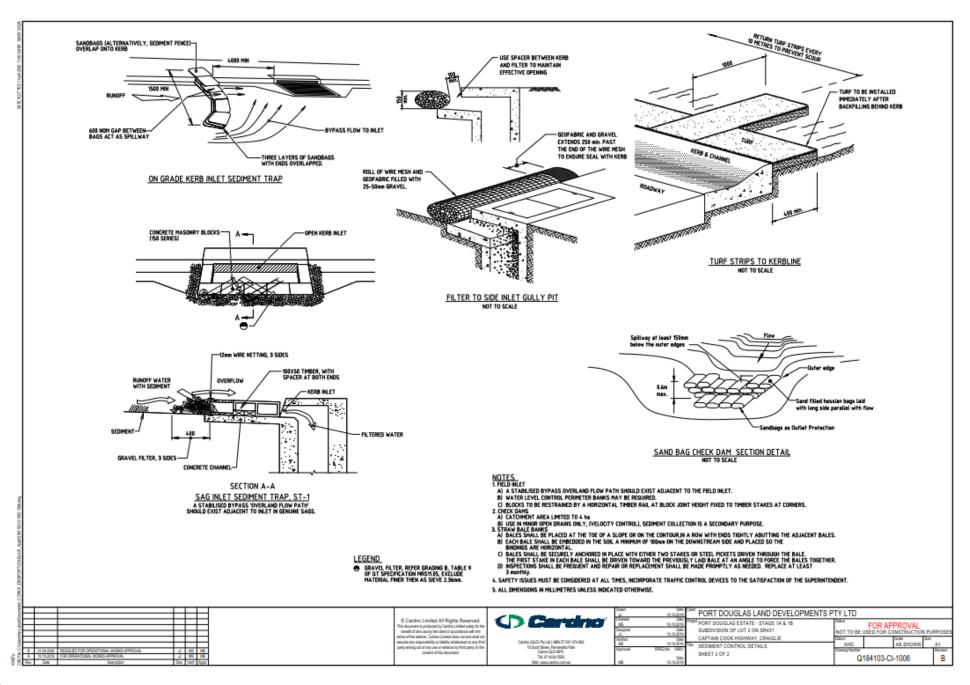
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e' tool		© Candron Limited Aul Rights Reserved. This document a produce by Candro Limited using for the banet of and usely the client in accordance with the	Certino	MS 10.10,2019 Designed Date	Pierr PORT DOUGLAS ESTATE - STAGE 1A & 18 SUBDIVISION OF LOT 2 ON SR431	FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION	PURPOSES
1 (hande		terms of the nations: Cardron Linking does not and shall not assume any separability or initiality whatsoever to any trian party writing and of any uses or mismon by third party on the	Carcho (CLC) Ply Ltd   ABN 57 (57 (74 1882) 15 Scott Street, Paramata Park Carano (SLC) 4870	Note that I the field of the second s	CAPTAIN COOK HIGHWAY, CRAIGLIE The NOTES	AHD AS SHOWN	A1
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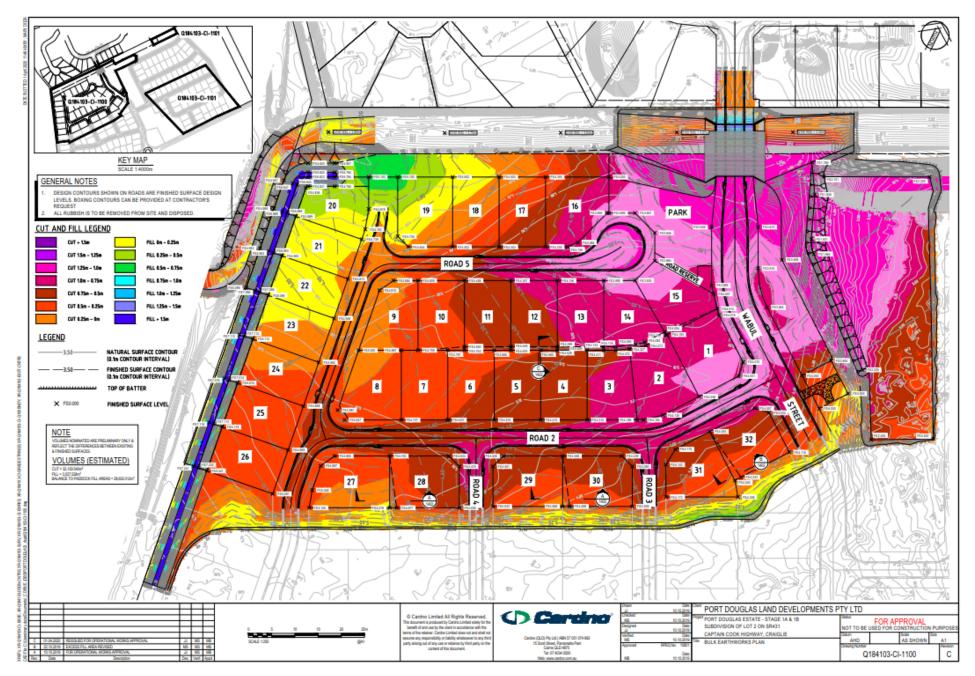


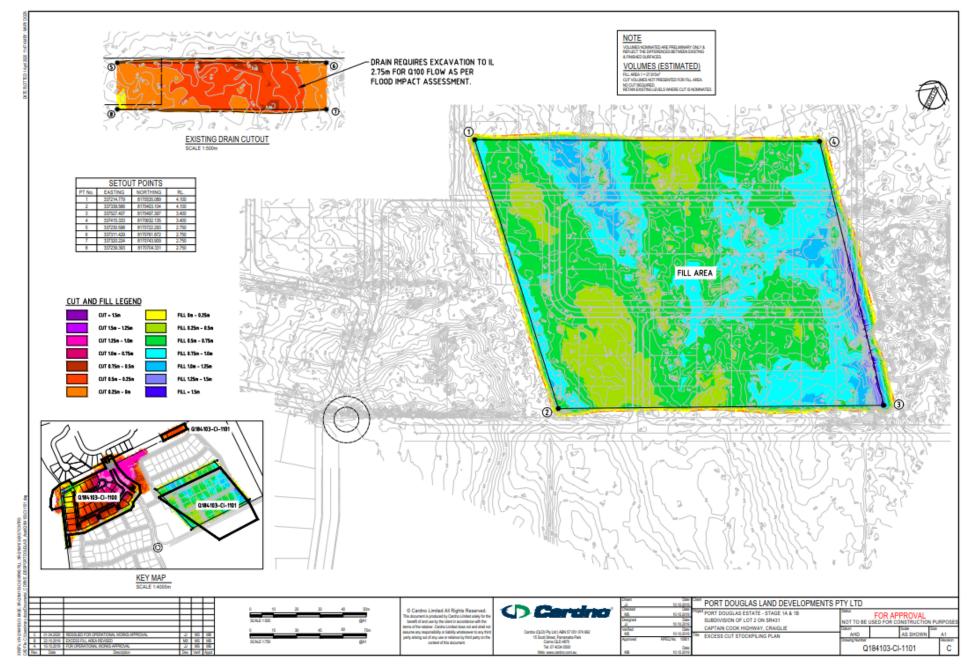


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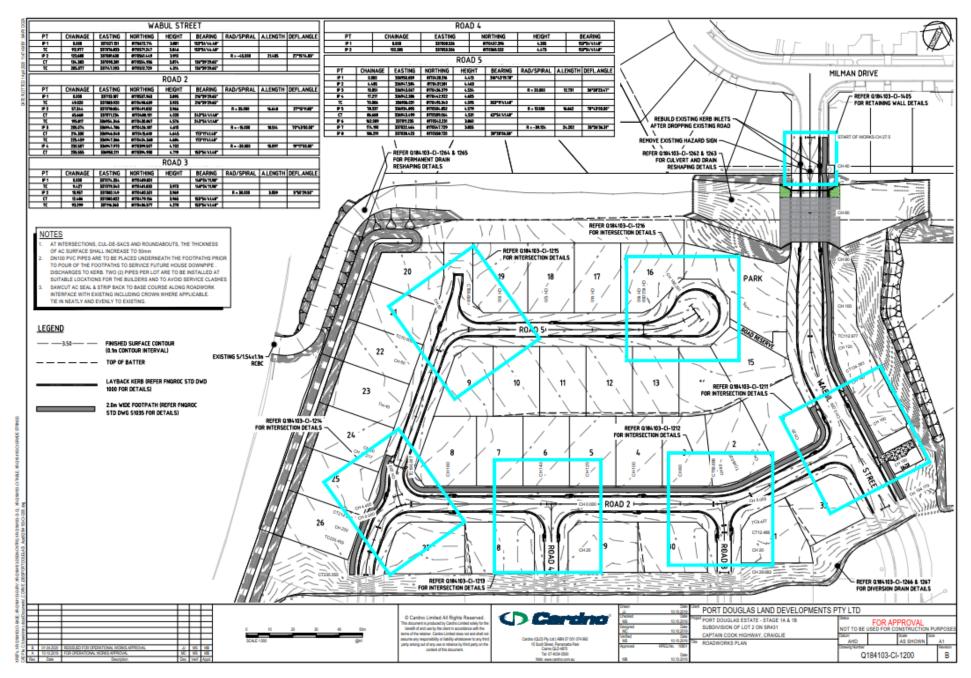


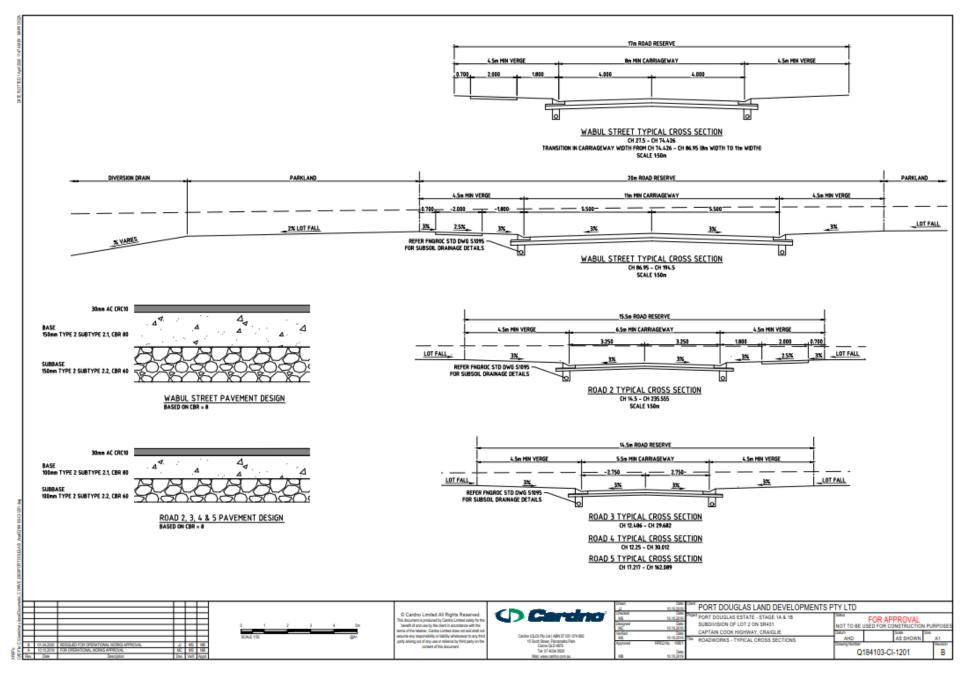


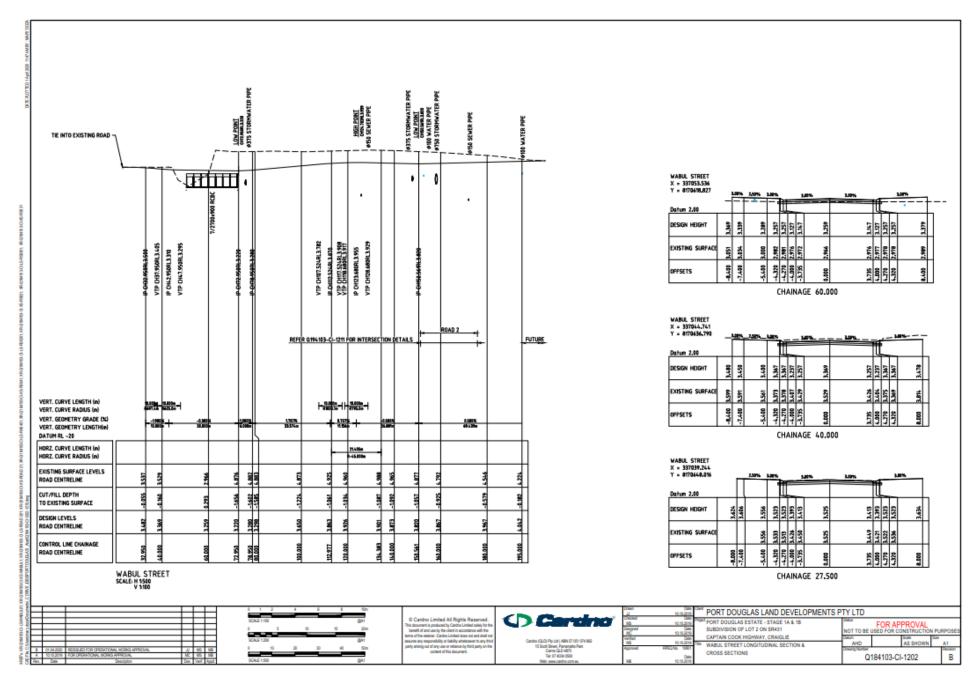




ADJACENT PROPERTY SOUTH DIVERSION DRAIN LOT GRADES TO ROAD 2 EXISTING DRAIN DRAIN EASEMENT LOT GRADES TO ROAD 5\_ ROAD 5 LOT GRADES TO ROAD 5\_ ROAD 2 LOT GRADES TO ROAD 2 SECTION SCALE 1:250m (1) NOISE MOUND LOT GRADES TOWARDS ROAD 5\_ LOTS GRADE TOWARDS WABUL STREET WABUL STREET EASTERN DIVERSION DRAIN ROAD 5 SECTION SCALE 1:400m (1102)  $\bigcirc$ LOCALITY PLAN SCALE 1:2000m " PORT DOUGLAS LAND DEVELOPMENTS PTY LTD © Cardno Limited All Rights Reserved. This decent is produced by Cardro Limited salely for the sound of and usely to direct in accordance with the manners of the sales. Cardro Limited decent can all deal manners are separately or thight whenever to any thing and on the context of this document. Cardno PORT DOUGLAS ESTATE - STAGE 1A & 18 SUBDIVISION OF LOT 2 ON SR431 FOR APPROVAL NOT TO BE USED FOR CONSTRUCTION PURPOSE JU 145 149 1010.2 10.10.2 CAPTAIN COOK HIGHWAY, CRAIGLIE SITE CROSS SECTIONS AS SHOWN A1 AHD ho (QLD) Ply Ltd | ABN 57 051 074 982 15 Soot: Sevel, Paramatia Park Calme QLD-4870 Tel: 07 4004 0500 40.40 В Q184103-CI-1102

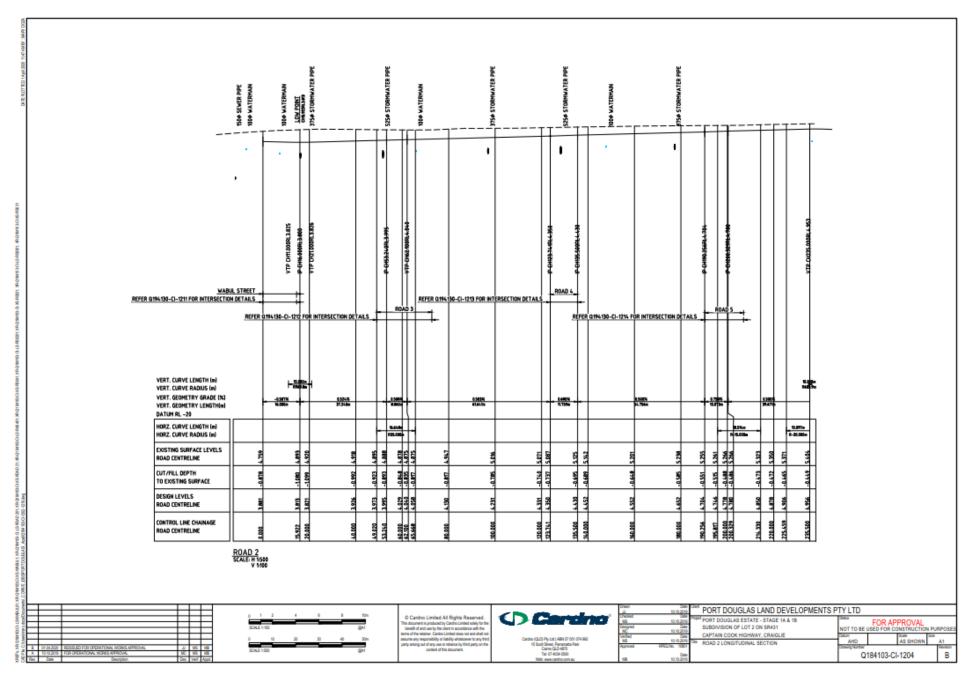




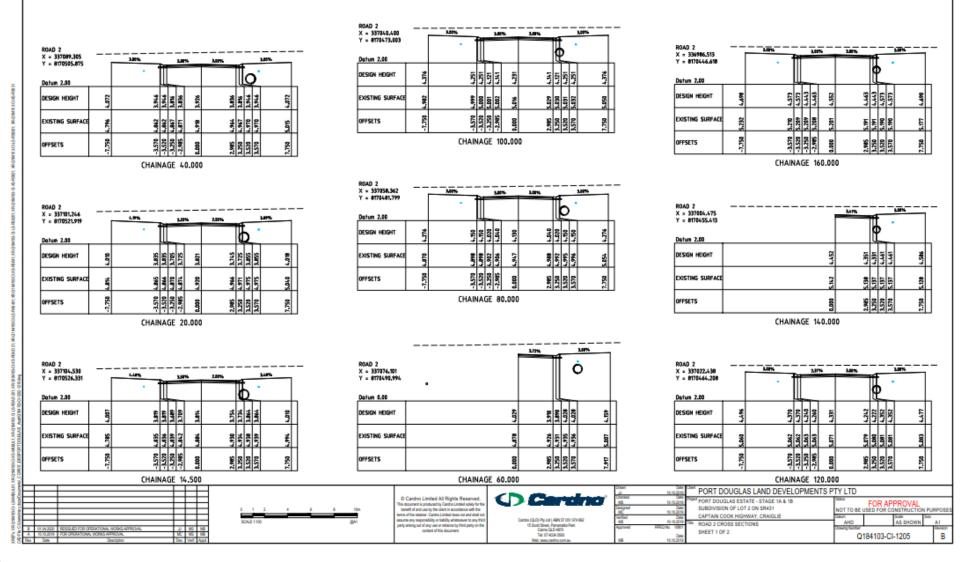


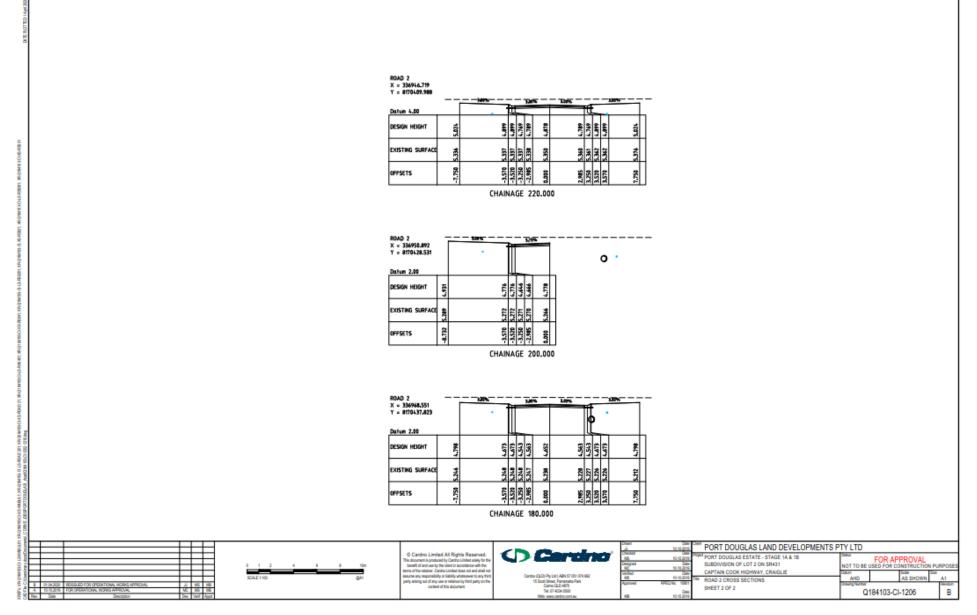
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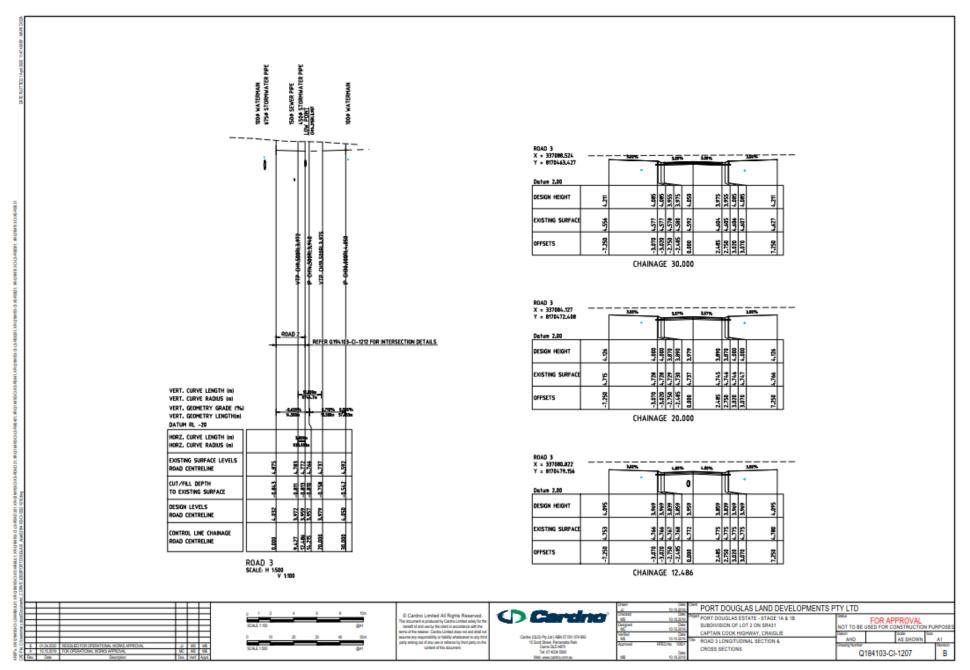
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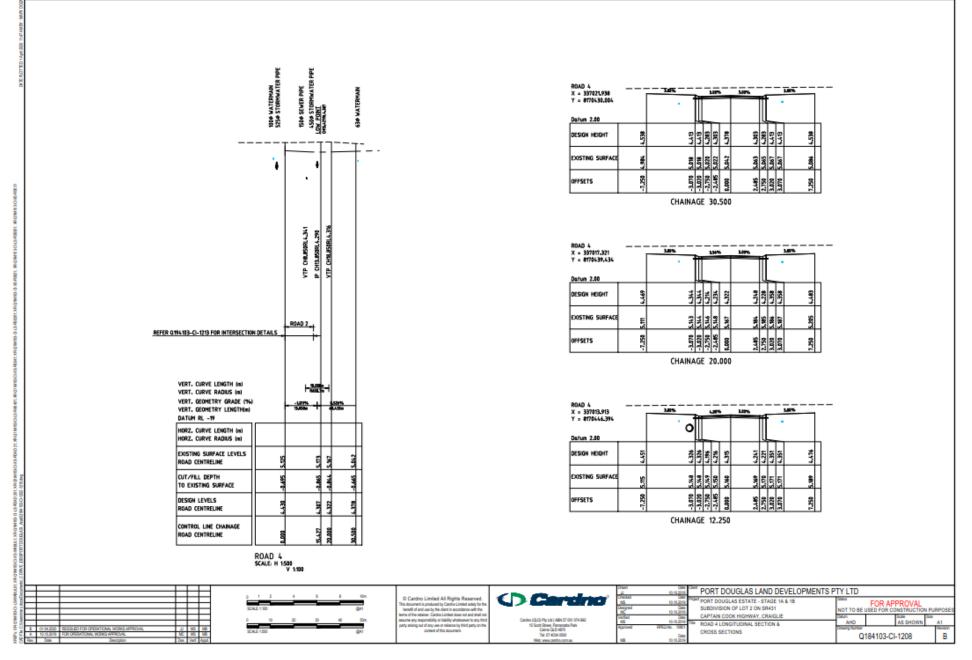


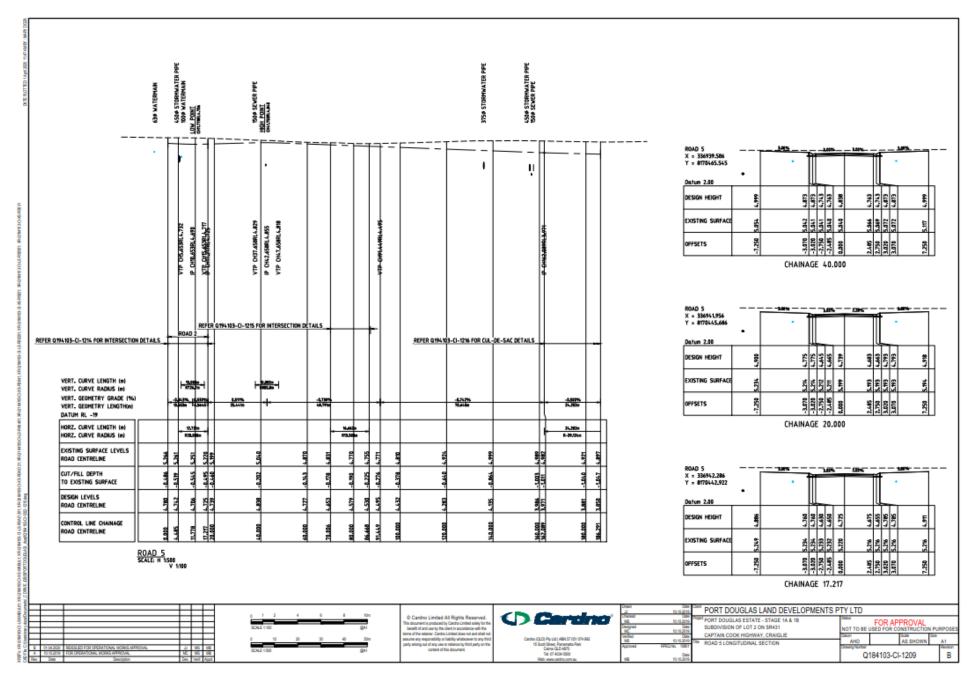
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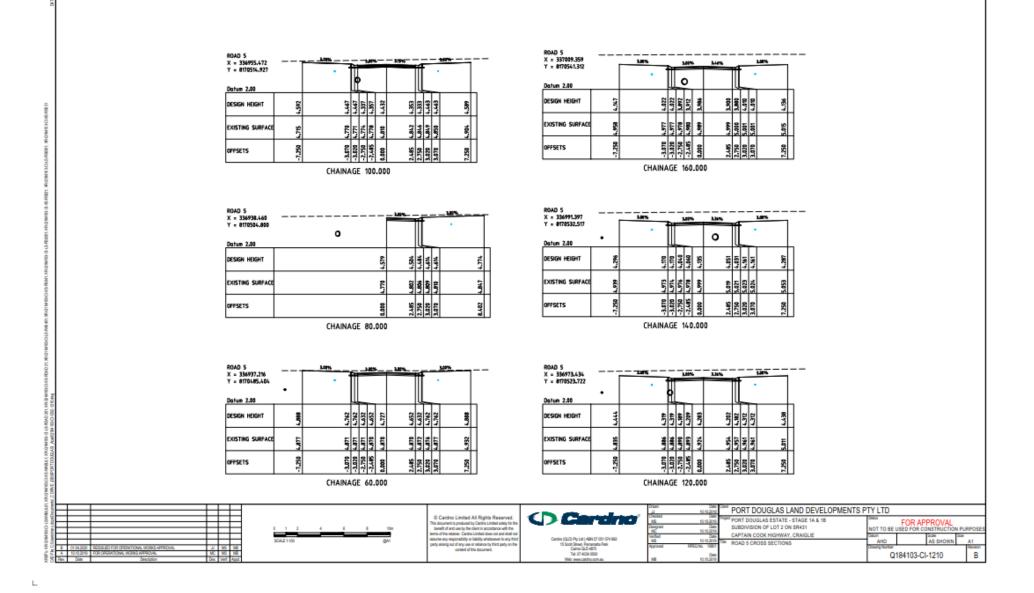


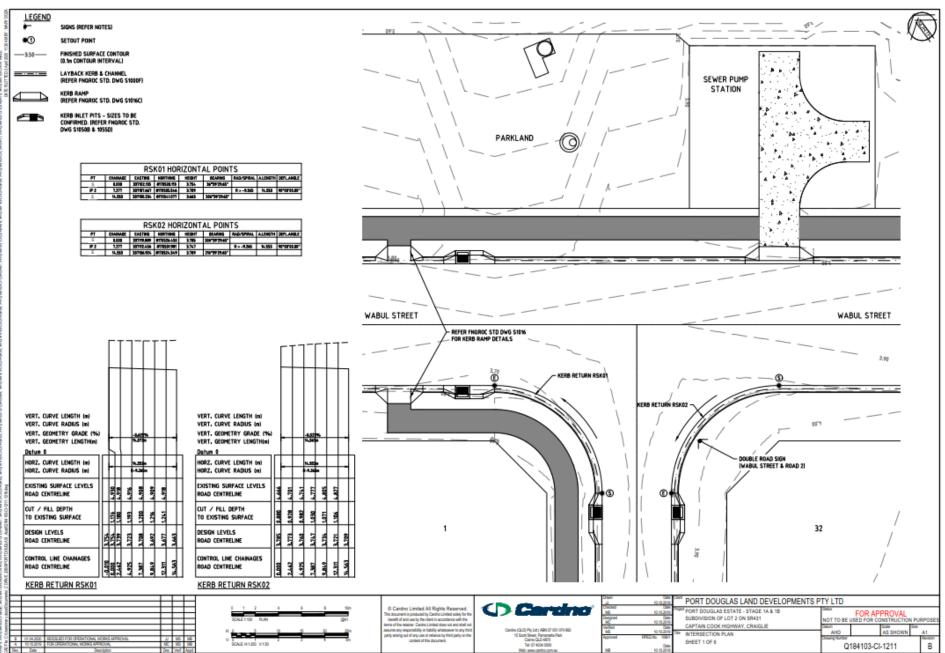




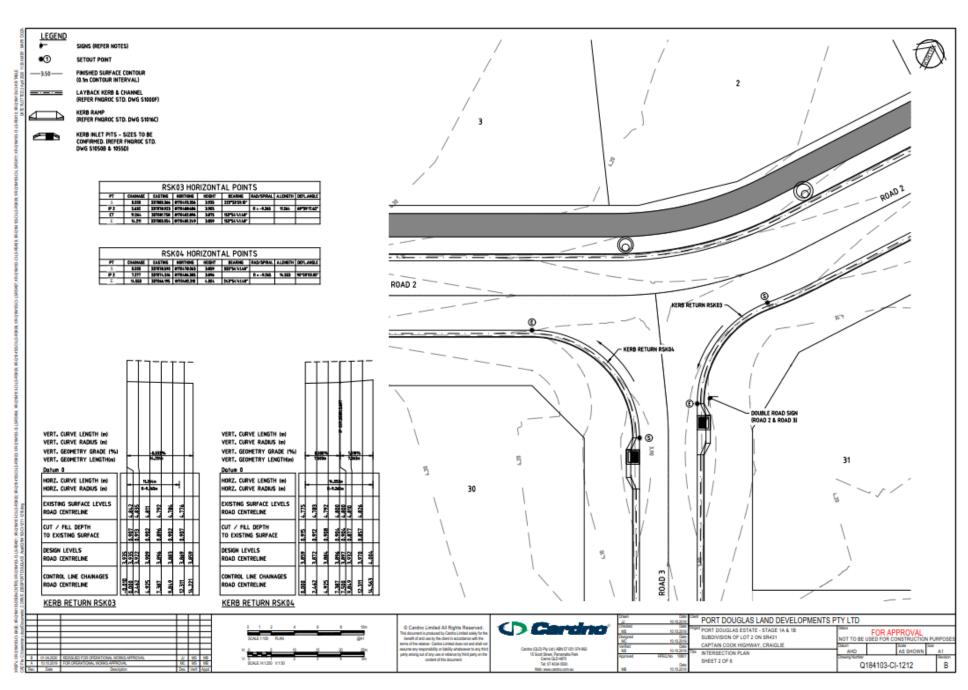




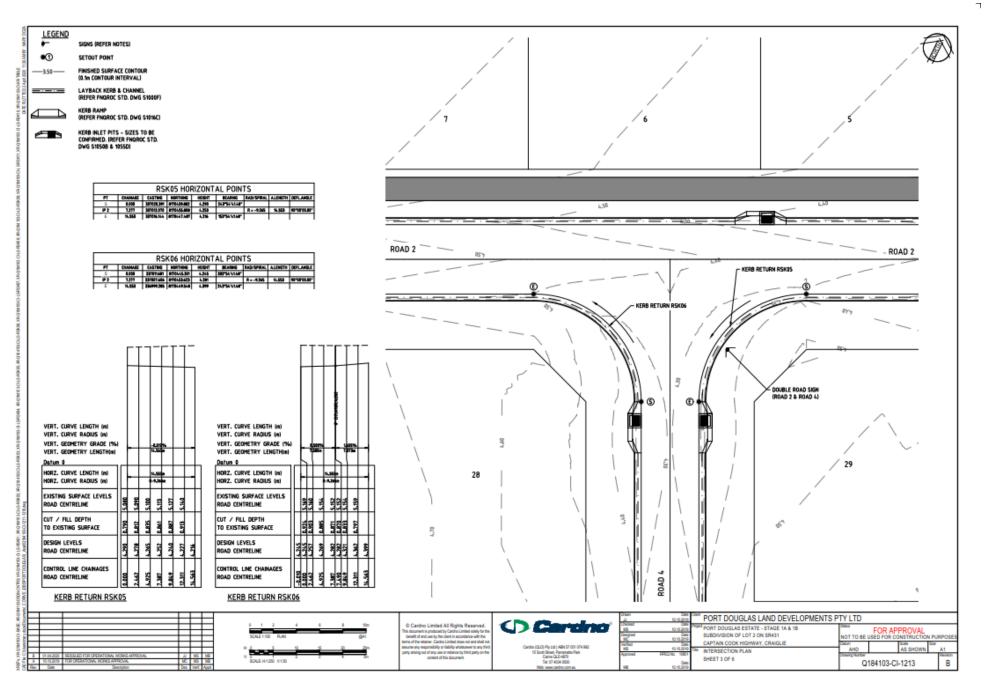


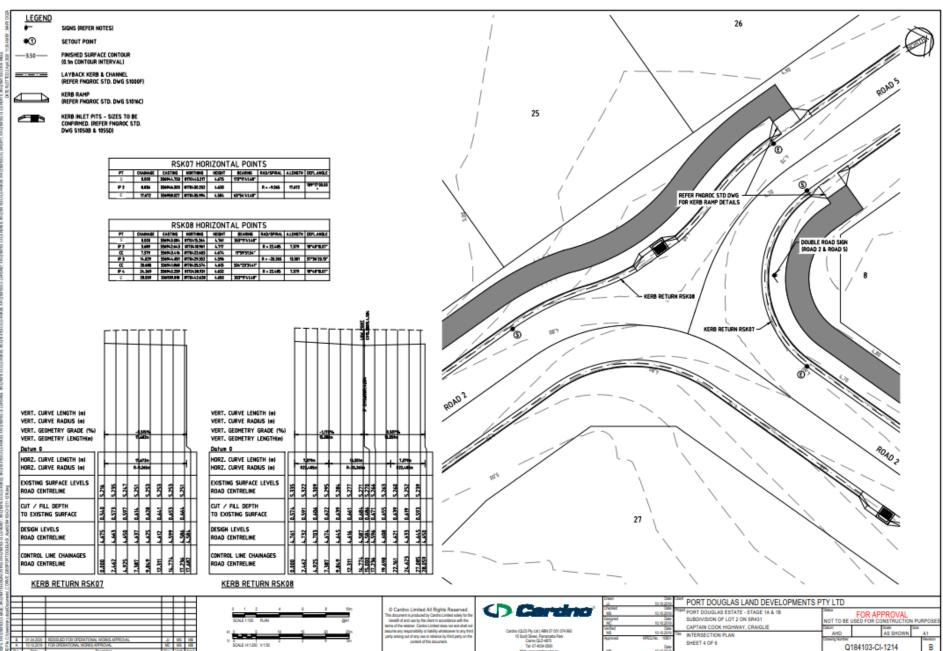


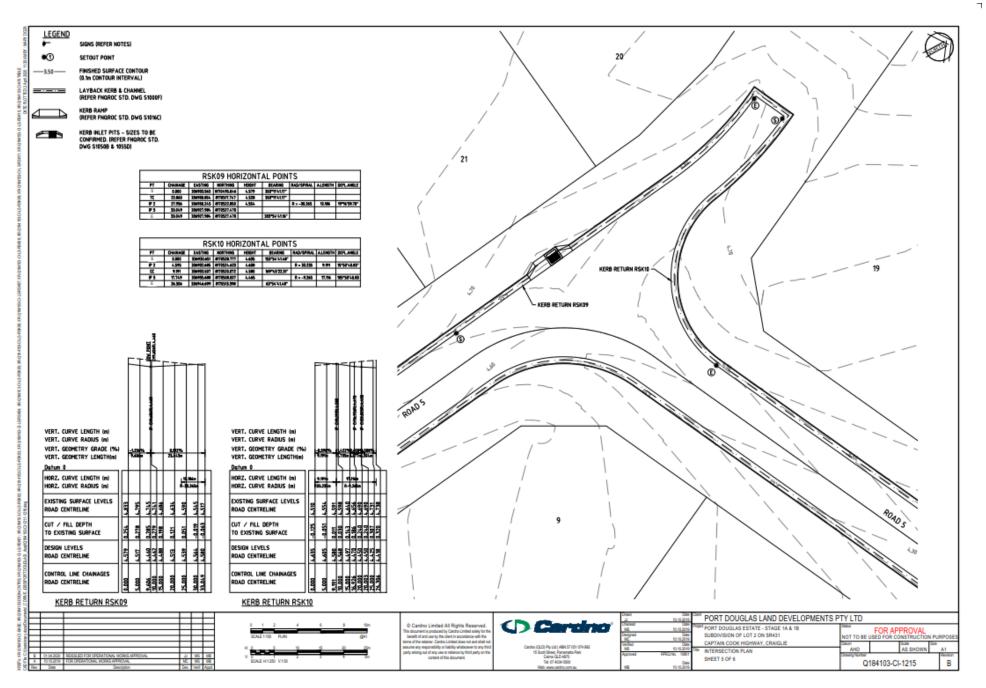
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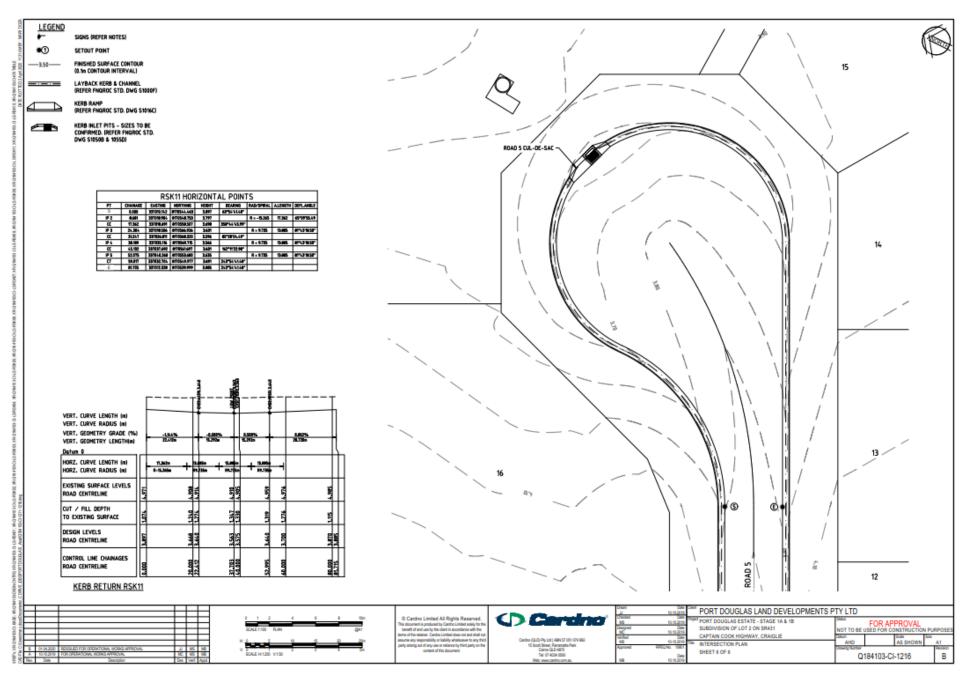


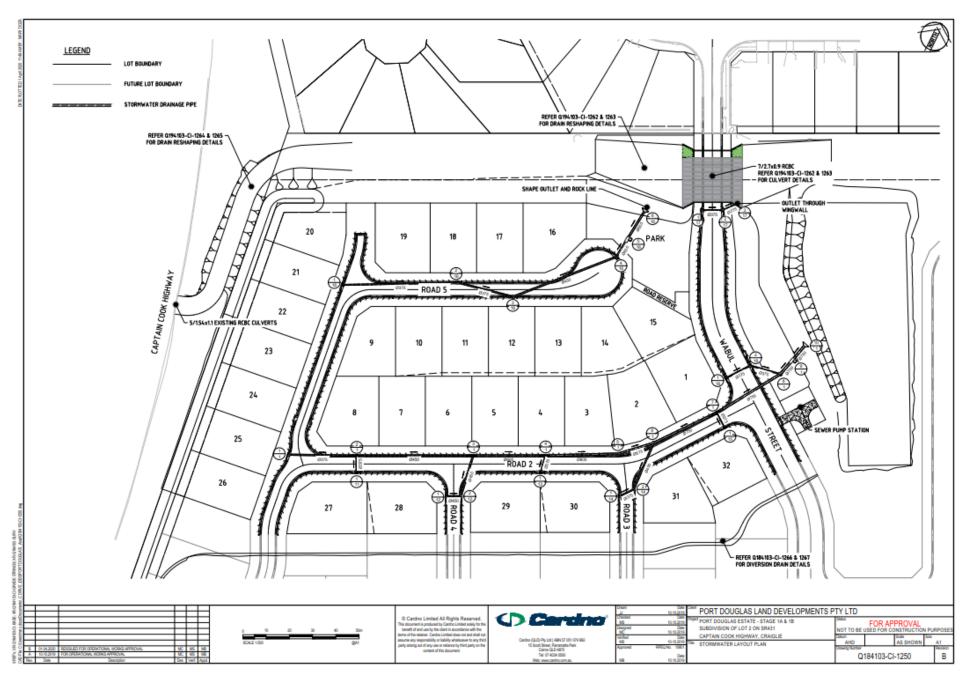
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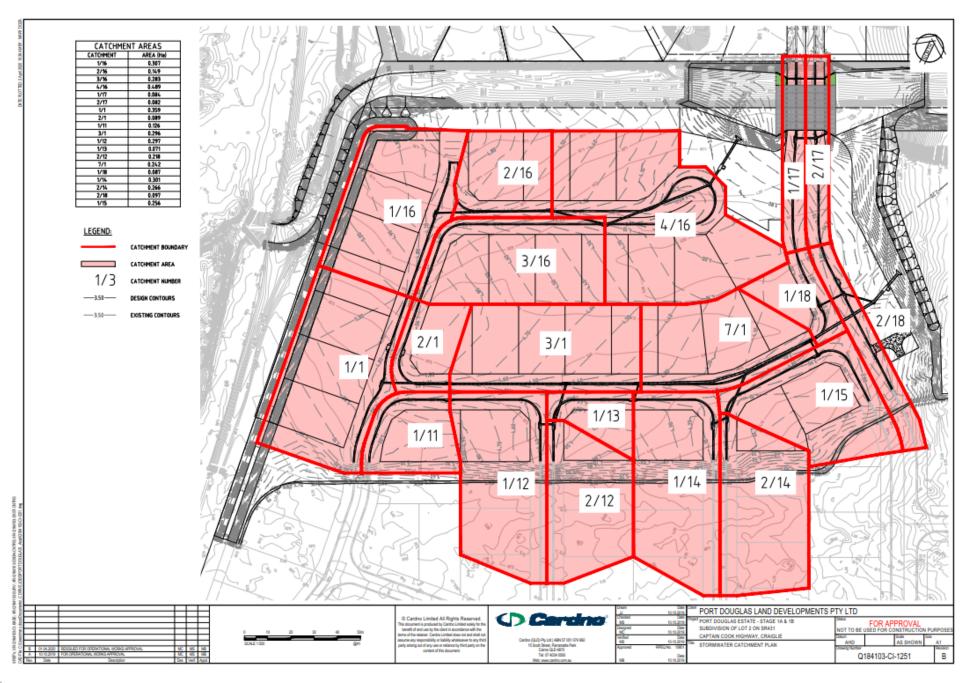








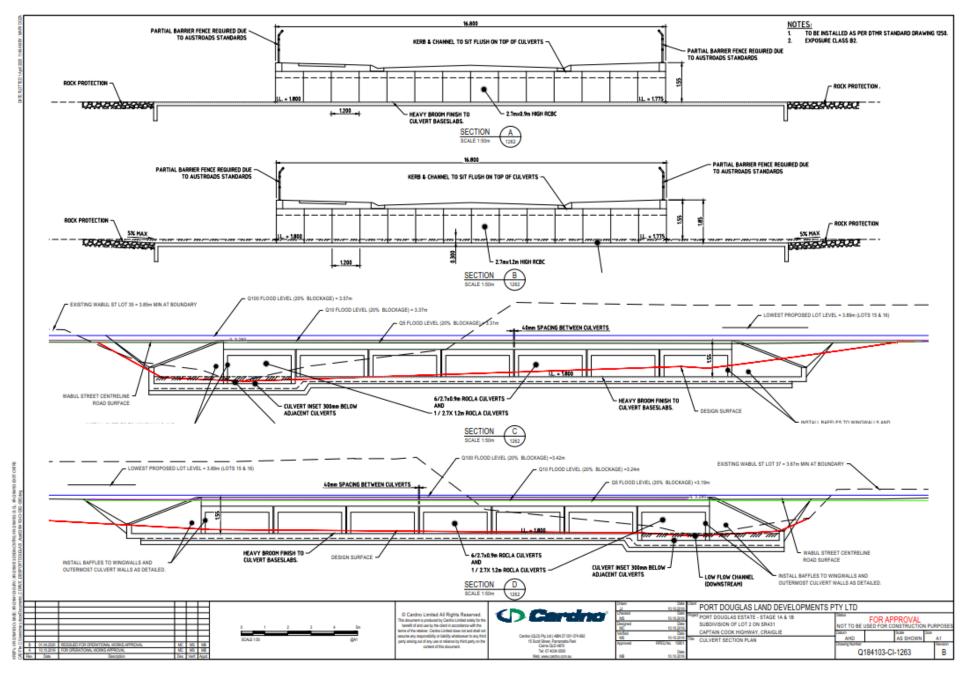


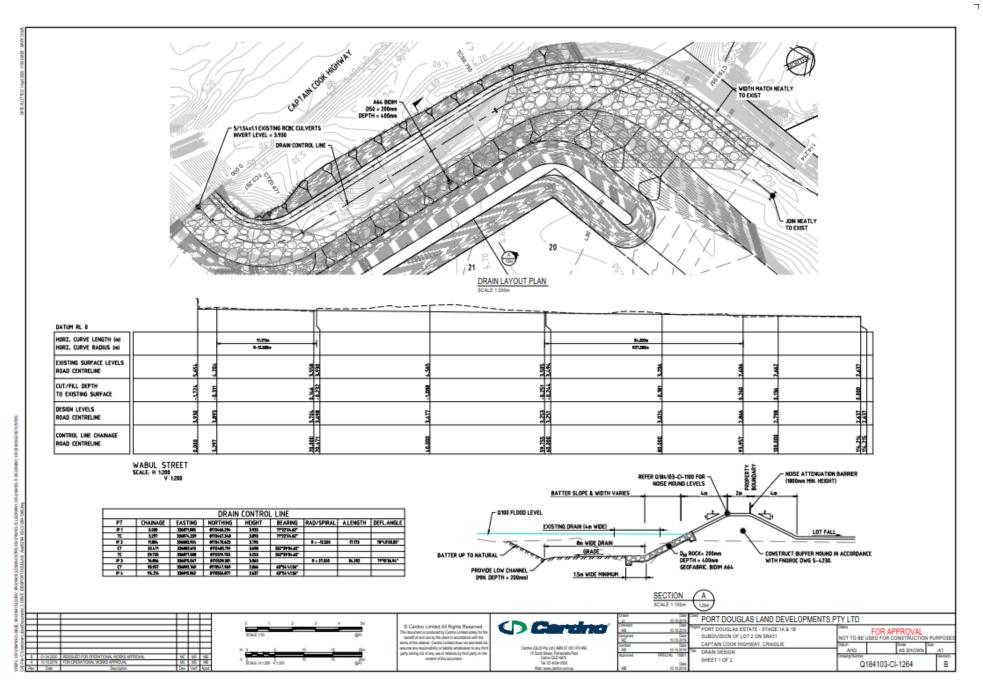


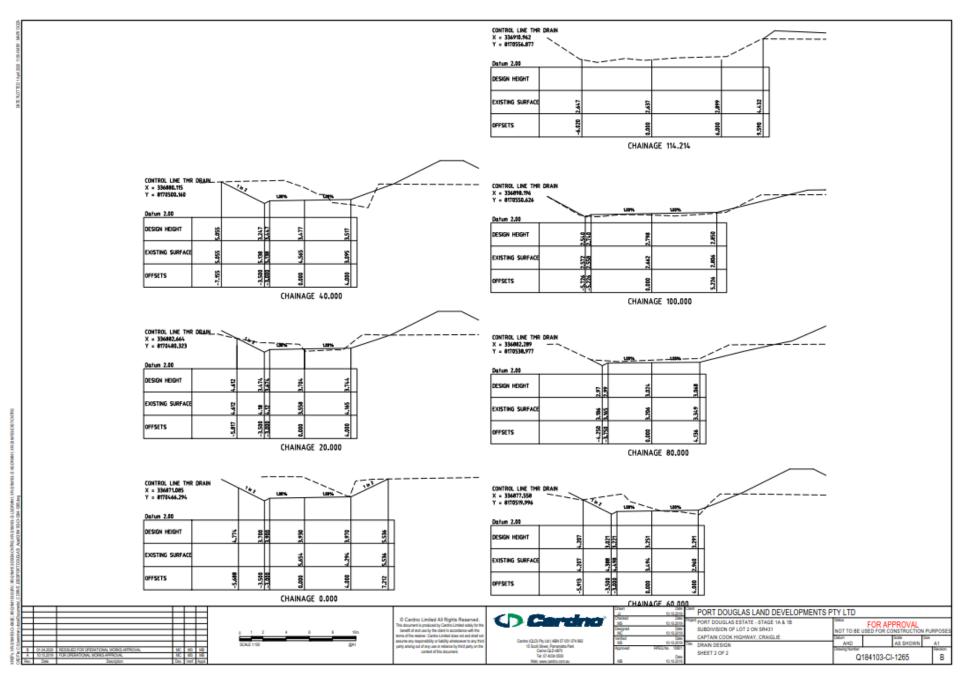
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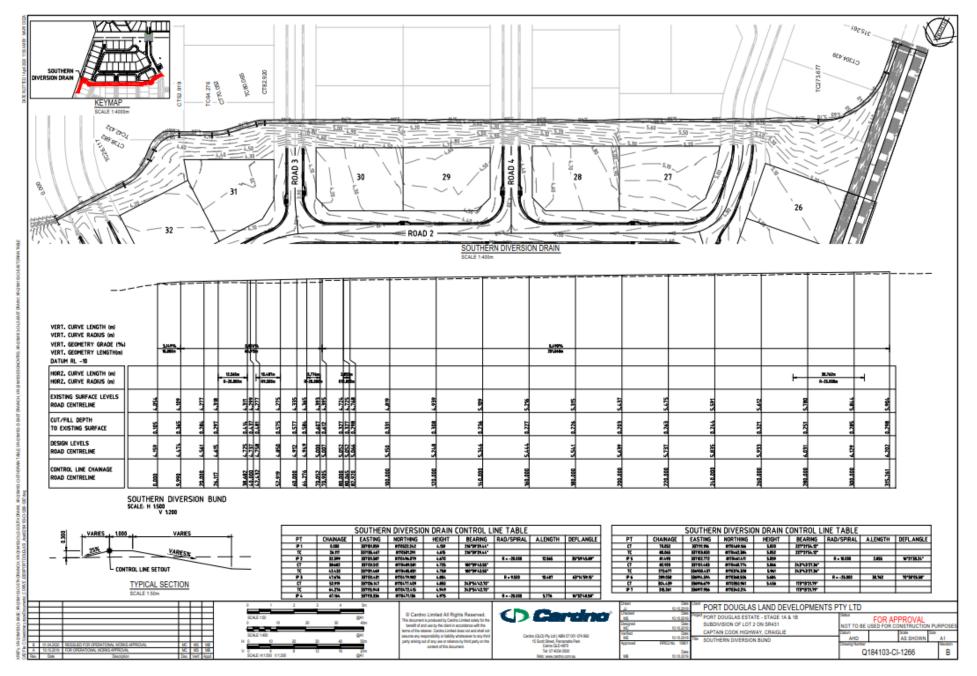
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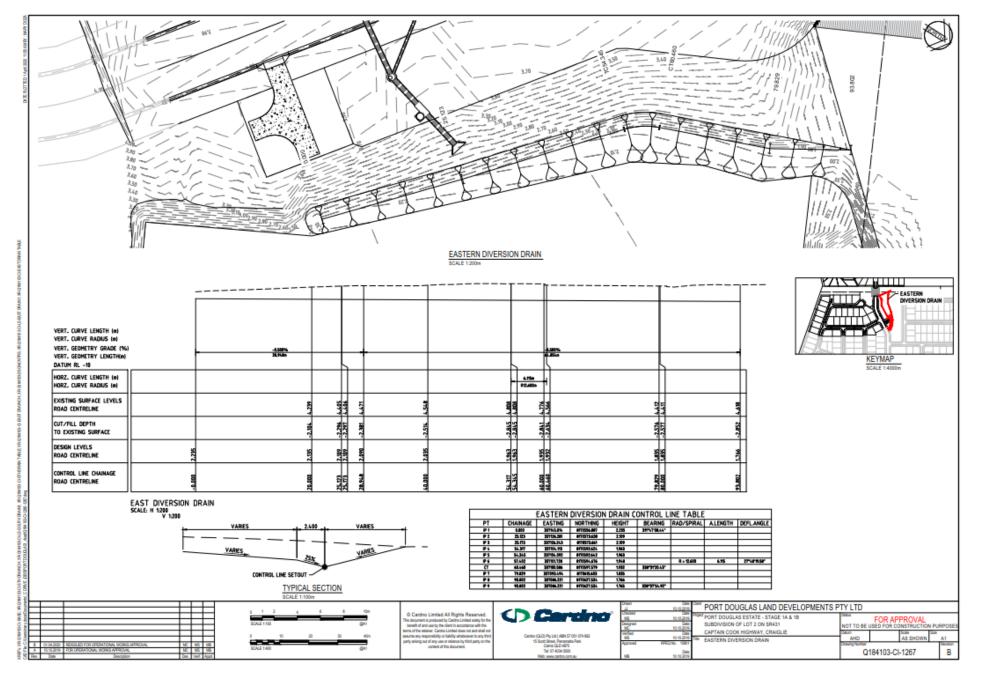
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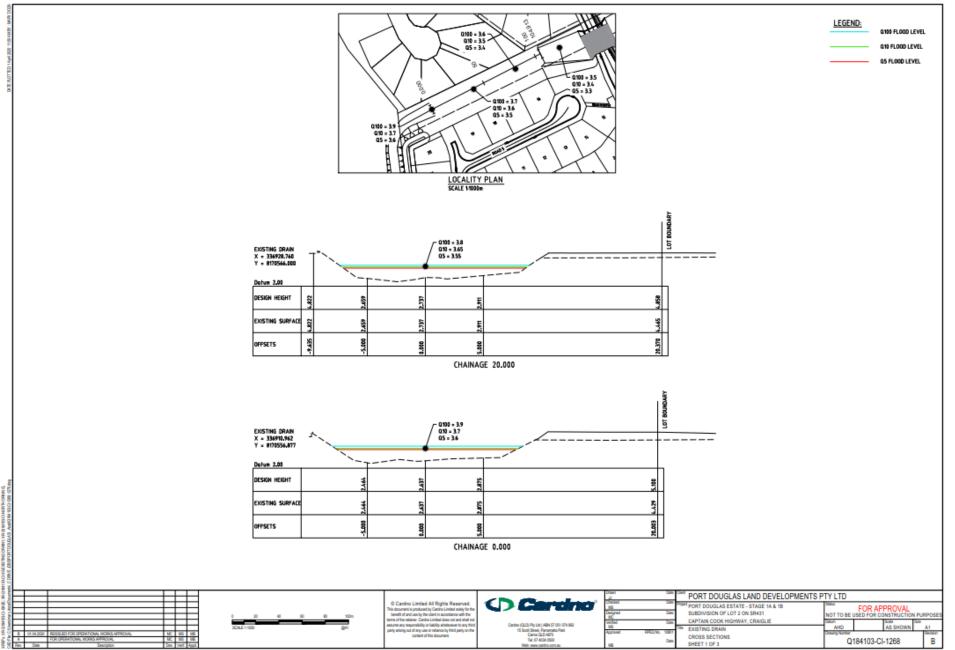




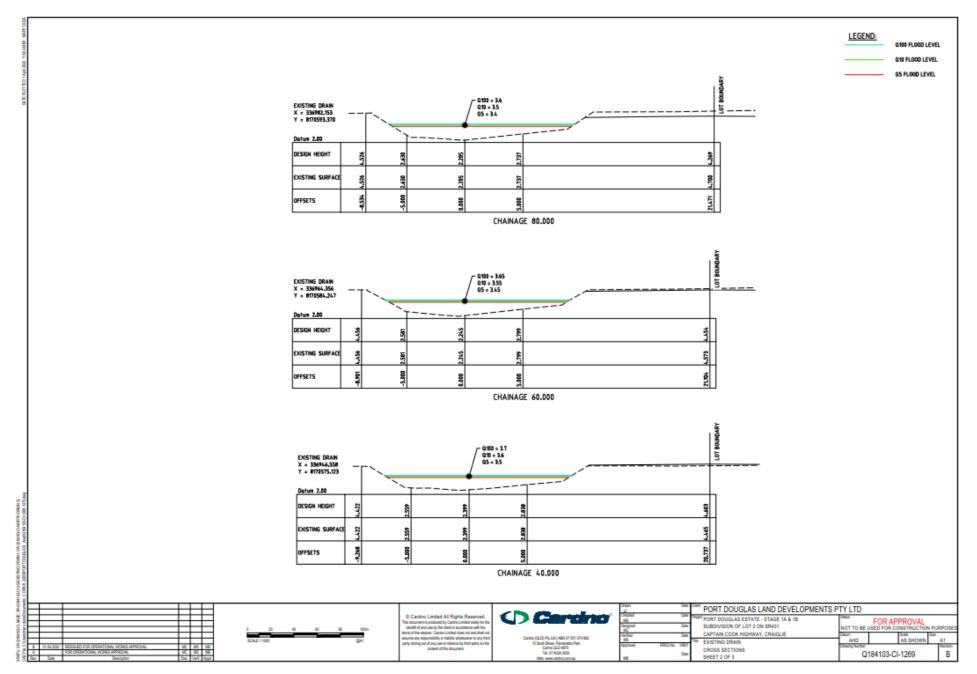


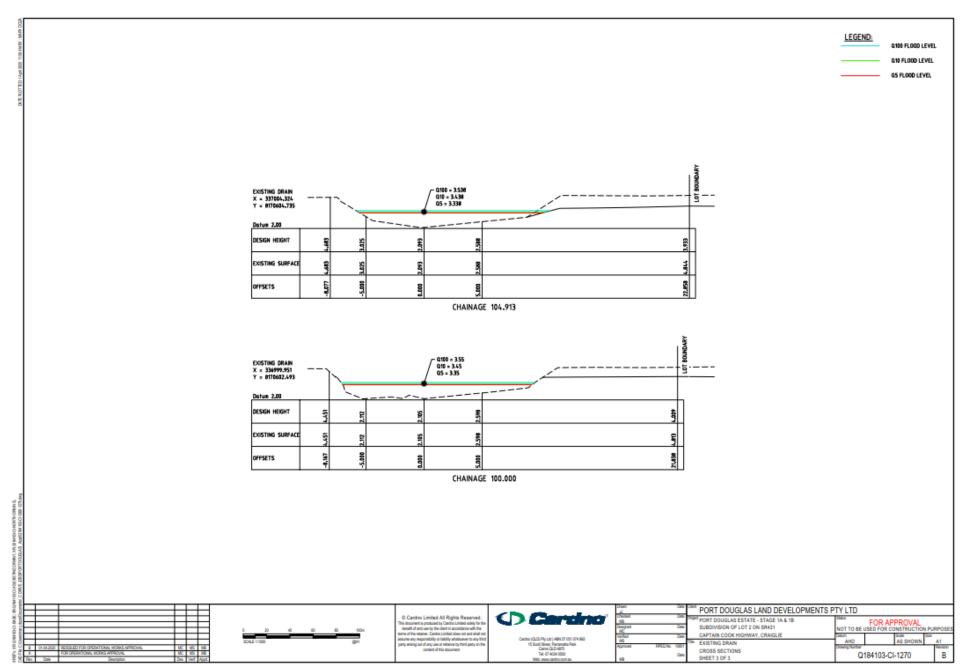


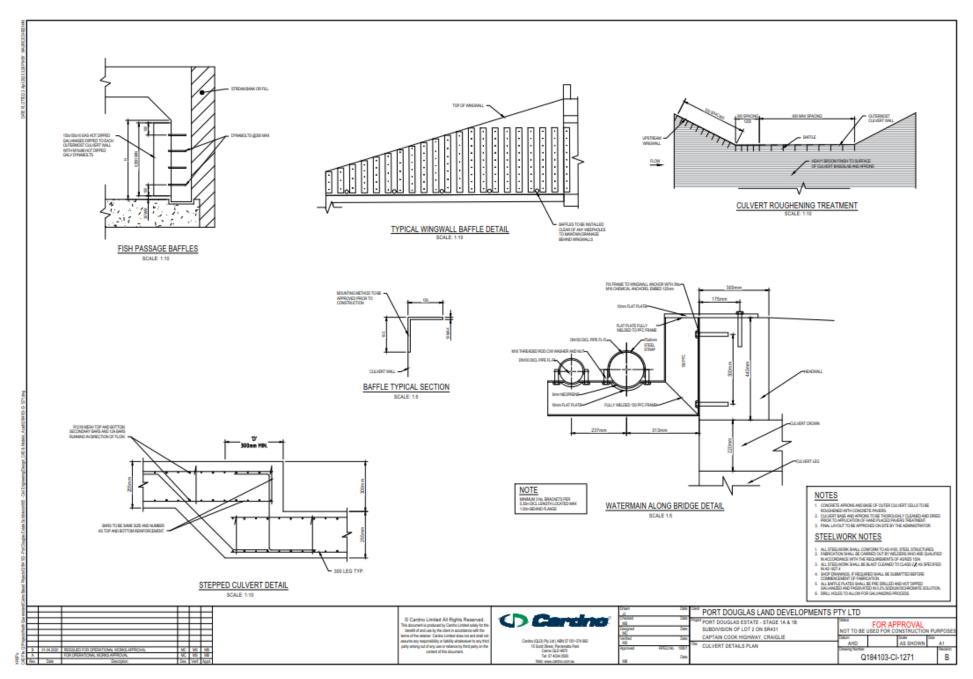


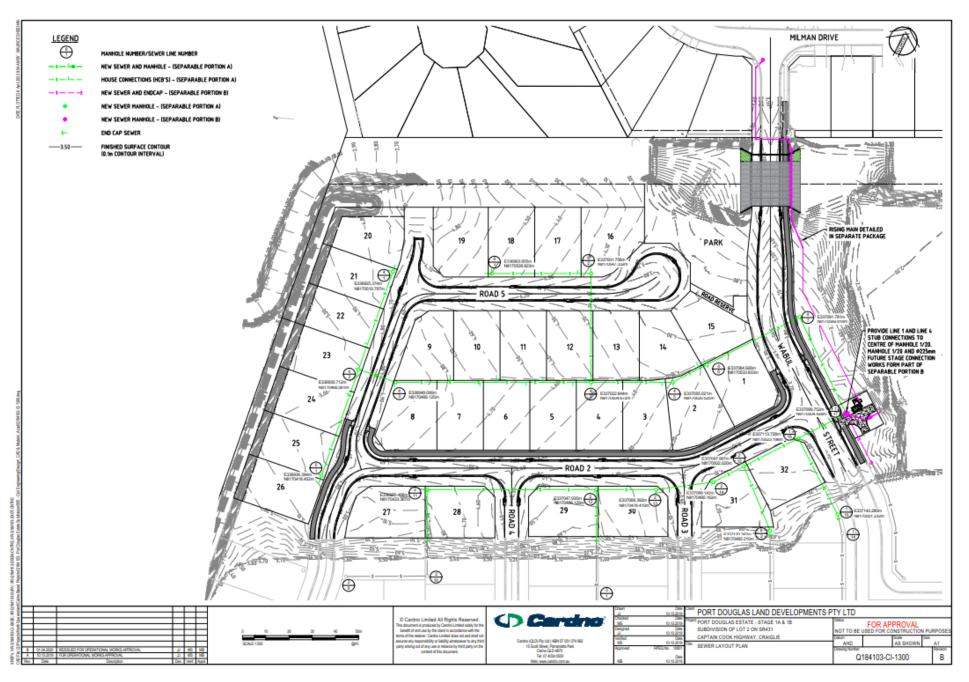


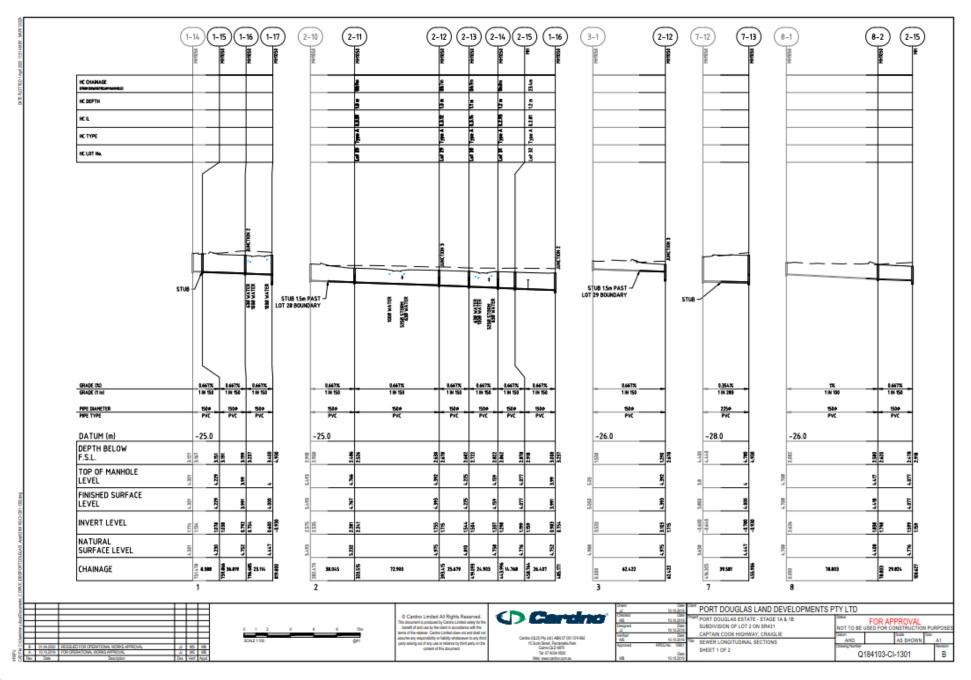
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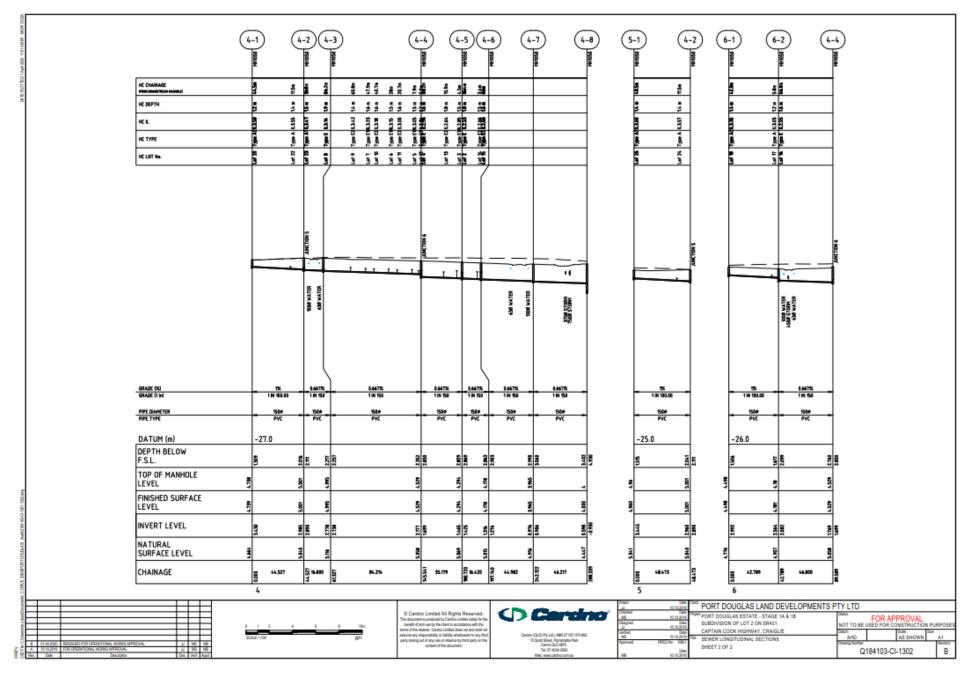


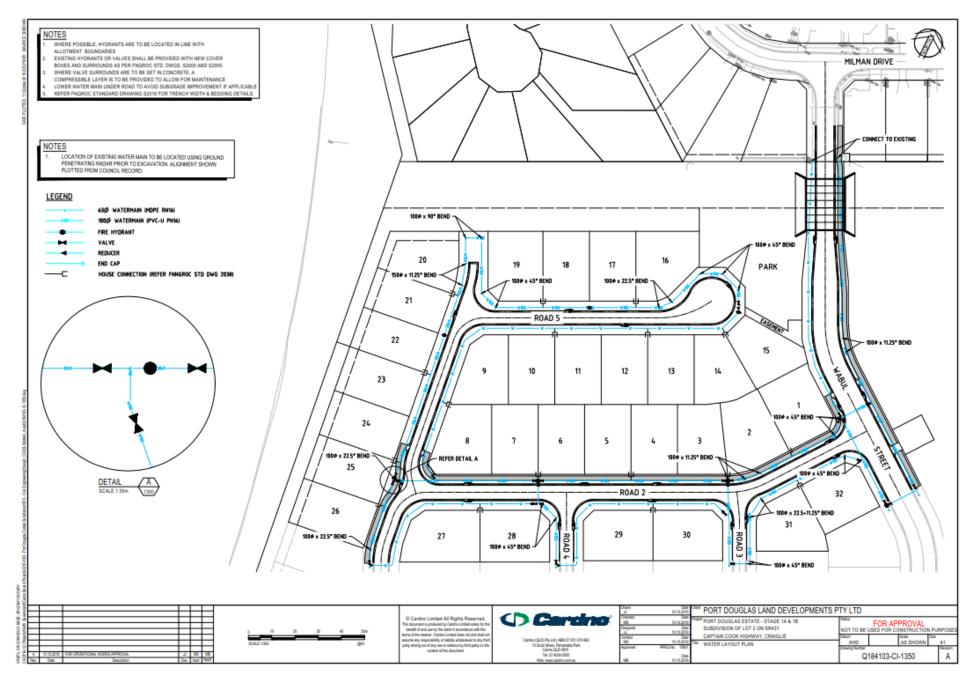






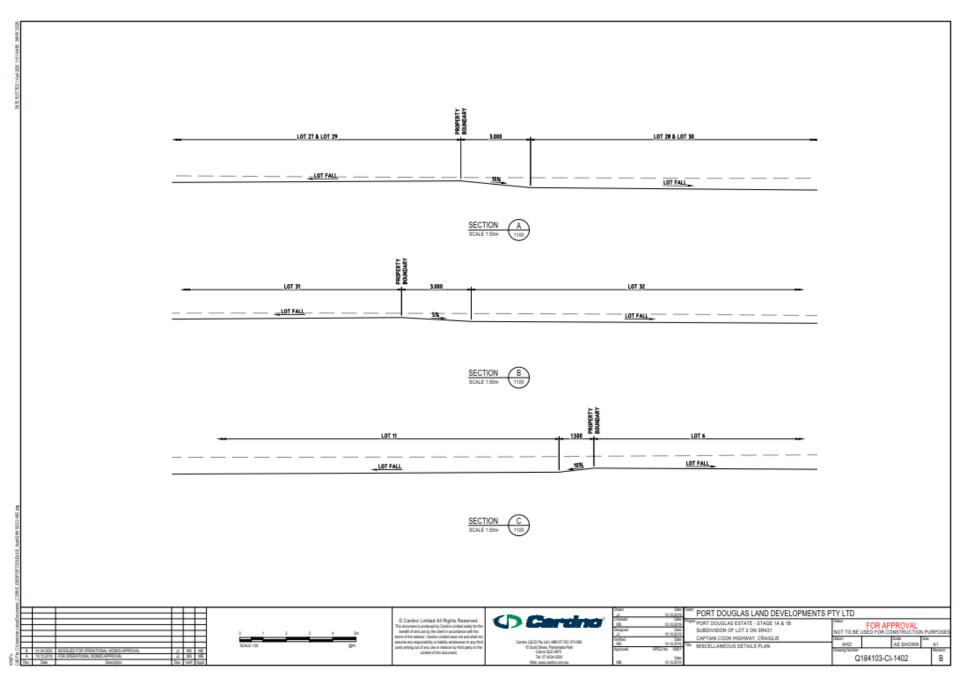


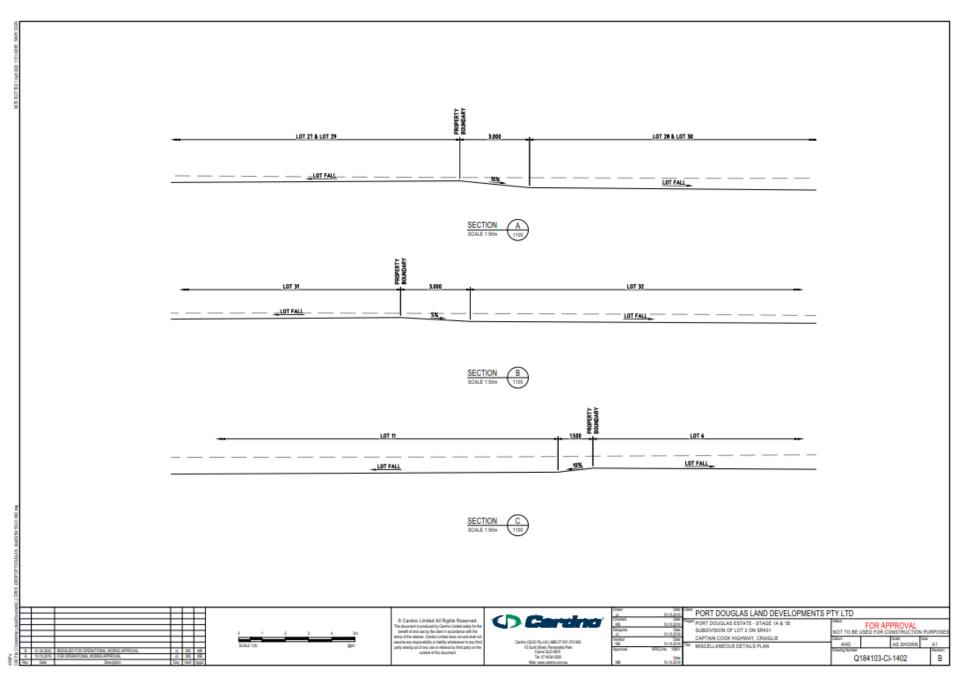


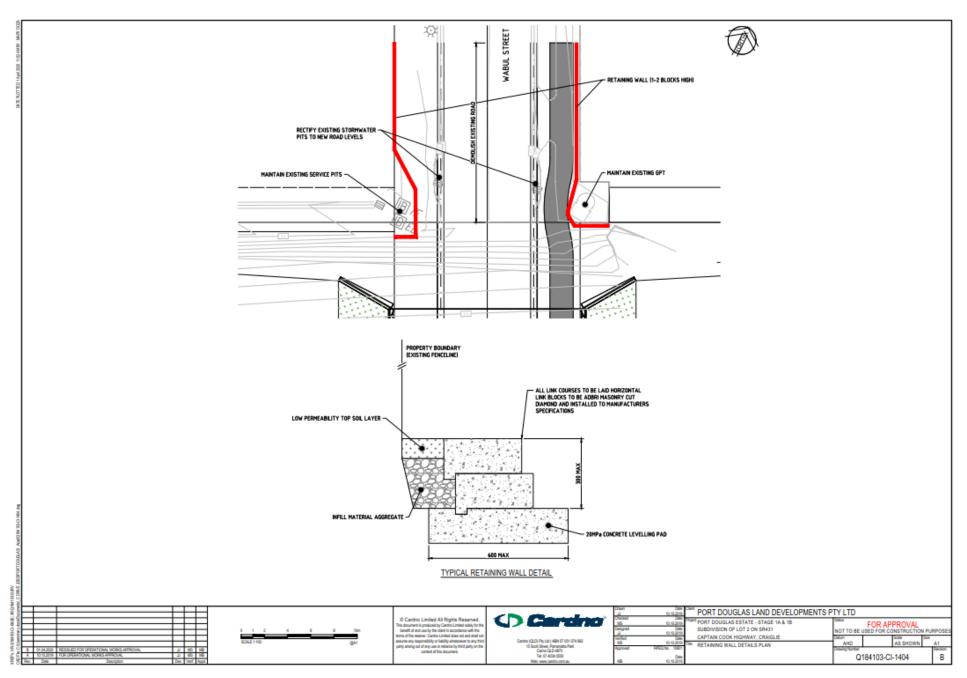




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# PORT DOUGLAS ESTATE - STAGE 1A & 1B SUBDIVISION OF LOT 2 ON SR431ADDRESS

CAPTAIN COOK HIGHWAY, CRAIGLIE

# LANDSCAPE DOCUMENTATION

Issue: OPERATIONAL WORKS Date: 08-11-2019

SHEET PLAN 1:1000@A1

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#### DRAWING SCHEDULE

DRAWING NUMBER	TITLE	REVISION
1902-016/CD/L0.01	COVER SHEET	03
1962-016/CD/L1.01	LANDSCAPE PLAN	02
1902-016/CD/L2.01	STANDARD DETAILS	02
1962-016/CD/L3.01	STANDARD SPECIFICATIONS	03

#### PLANT SCHEDULE

3000	SPECIES	COMMON NAME	POTSIZE	MAT HT	MAT SP	STAKE	QTY PER MODULE	TOTA
SHADE T	REES				-	-		-
AR acu	BARRINGTONIA acutangula	Stream Barringtonia	45L	_				16
AR asi	BARRINGTONIA asiatica	Asian Barringtonia	45L	<u> </u>		-		
AR cal	BARRINGTONIA calyptrata	Cassowary Pine	45L					
PT1				-				
OM hys	LOMANDRA hystrix	creek Mat-rush	140mm		3m <sup>4</sup>			362
				<u> </u>				-
PT2			_	-			-	-
SHADE TRI	ES - S							
DiL ala	DILLENIA alata	Red Beech	140mm	15m	in	No	1	- 30
ARGE TRI	ES / SHRUBS - C			-	-	-		-
PHY cus	PHYLLANTHUS cuscutifiorus	Pink Phylianthus	140mm	4m	3m	No	4	120
HEL rub	MELICOPE rubra	Little Evodia	140mm	60	40	No	2	60
ACM bern	ACMENA bemilamora	Broad Leaf Lilly Pilly	140mm	10	40	No	2	60
SRE bai	GREVILLEA balleyana	White Oak	140mm	10m	in	No	Max 2	40
SYZ aus	SYZYGIUM australe	Scrub Cherry	200mm	10m	in.	No	Max 2	6
VZ rea	SYZYGIUM resilience	Resilience Lilly Pilly	140mm	4m	20	No	Max 2	6
								-
IEDIUM SI	RUBS - B			-		-		-
EE ind	LEEA indica	Bandicost Berry	140mm	4m	3m	No	4	120
CAL end	CALLISTEMON "endeavour"	Bottlebrush	140mm	3m	3m	No	Max 2	
CAL d.r.	CALLISTEMON "dawson river"	Dawson River Weeper	140mm	in	3m	No	Max 2	
CAL c.p.	CALLISTEMON "candy pink"	Bottlebrush	140mm	ân	3m	No	Max 2	
CAL w.f.	CALLISTEMON "wild fre"	Bottlebrush	140mm	3m	3m	No	Max 2	62
CAL w.w.	CALLISTEMON "wilderness white"	Bottlebrush	140mm	3m	3m	No	3	90
SMALL SHE	RUBS - A							_
.OM hys	LOMANDRA hystrix	Mat Rush	140mm	in	in	No	10	300
AP ta	LEPTOSPERMUM favescens "Cardwell"	Leptospermum	140mm	2.5m	2m	No	4	120
PHY lam	PHYLLANTHUS lamprophyllus	Pascee River	140mm	1.5m	2m	No	4	120
KAN ver	XANTHOSTEMON verticiliatus	Little Penda	140mm	2m	in	No	2	60
PT3								
.OM hys	LOMANDRA hystrix	Creek Mat-rush	140mm		3m <sup>9</sup>			108
PHY cus	PHYLLANTHUS cuscutifiorus	Pink Phyllanthus	300mm			<u> </u>		12
CUP ana	CUPANIOPSIS anacardioides	Tuckeroo	451					3

This plan was prepared for the sole p secific purpose of O Landplan LA néjng on suffate indicators roman-incorrect or inscansite, the Client or any Third Pany not writying information is this plan when encommended by Landplan LA; lodgement of this plan with any local authority against the recommendiation of Landplan LA. The accuracy, initiability, subability or completeness of any estimates or approximations made or neferred to by Landplan LA in this plan.

IMPORTANT NOTE

Landquini LA in the pain. When ut limiting paragraph 1 or 2 above, this plan may not be capaid, distributed, or reproduced by any process values this areas and location of approximate and on their of this shows on this plan are approximate and only using. Scale shows in correct of the longitude plans and any cargo of this plan capation of the plane and approximate and any cargo. Scale shows in correct of the longitude plans and any cargo of this plan. Cabitatin boundaries are atomican by the dimensions and digitizing than eaking cabitatin range. These boundaries LA will not be liable (in neglignees ar dimension for any direct incidence to Landquita LA relign on Ease information to complete. Neurosci. to of -date or unreasonable. provided to 8 by - where the basis information is incomed, incomplete, incomed, sub-date or unreasentation. Landplan LA, will not be liable (in negligence or otherwise) buy off or incidential to Landplan LA relying on building information provided to 1 by - where the building information is incomed, incomplies, incomplete, out-of-date or is incorrect, incomplete, inaccurate, out-of-date or unmasconable. Refer to - Ou's Engineerie's drawings for fini surface levels unless shown on Landscape drawings. Ret existing levels to buildings and adjacent surfaces except where instructed by the Landscape Architect. All new finis surfaces are to align flush with existing surface levels. Rafe to - Civil Enginee's drawings for path and kerb crossover setting out.

Refer to - Civil Engineer's drawings for service locations. Al services are to be verified on site prior to any escavation / construction. Trees to be located minimum fm from service All services are indicative only. All annotes are indicates ony Folial set-cet for all landcage hypothesis to be confirmed on alle by the Landcage Architect. Unless shown on the indicage deviaeings, miler to Sinuctural Enginesis to all and and appresents landcage at the trait aller and provements integrates the trait and and provements to be set of an initis prior to installation and appressible by the Landcage Architectural on Table: Engineer. For Lighting requirements miler Electrical Engineer, for traiting requirements miler the Initiatules in survey and and an initiature and the Electrical Engineer. For Lighting requirements miler the mileral in stratument discontingenesis may exist in initiative the prior to an schedules. In the contractors:

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UNDERGROUND SERVICES:

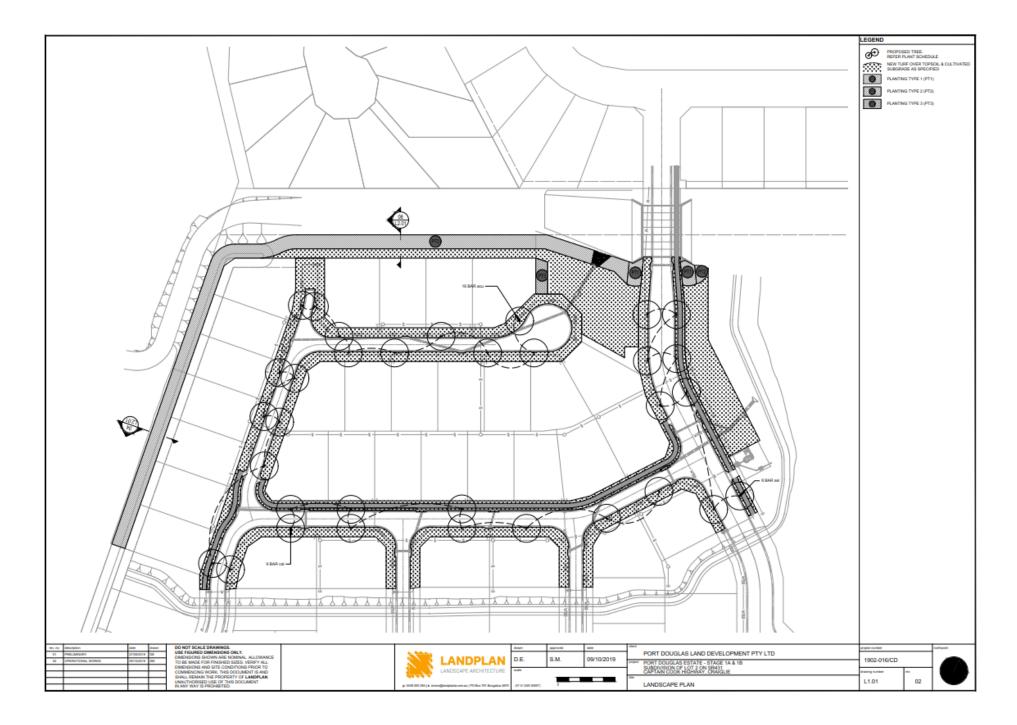
The locations of underground services are approximate only and their ex-location should be determined on site. No guarantee is given that all exist services are shown.

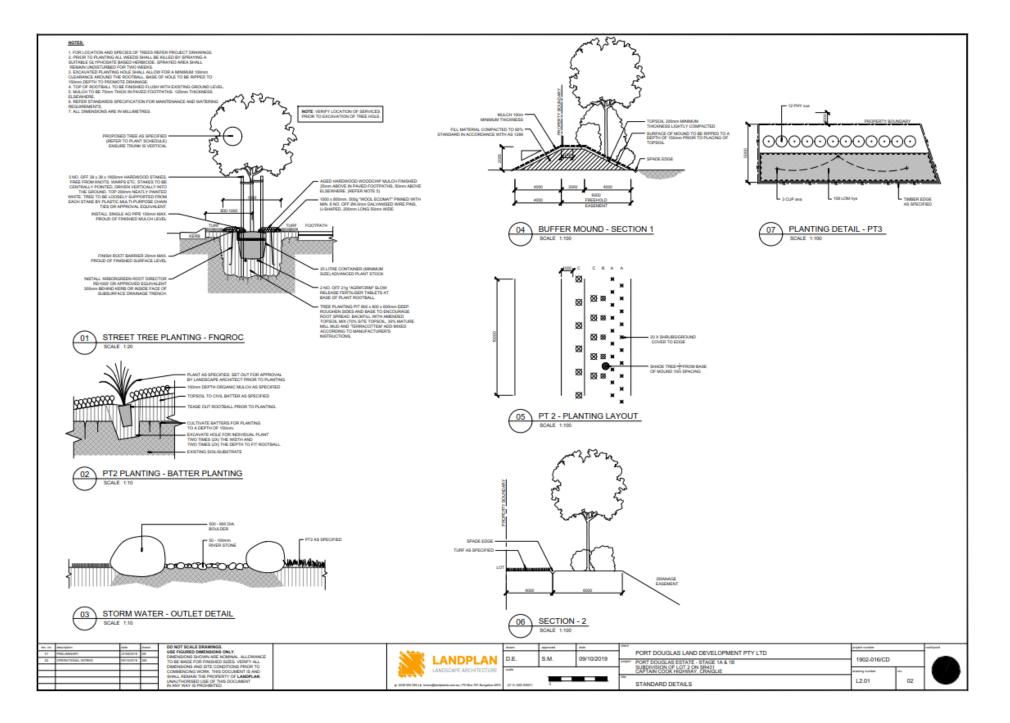
TREE SETTING OUT PRINCIPLES with ENOROC Design Guidelines es are to be planted in accordance with FMQROC Design Guidelines decaping, at the following spacings: 4.0m min. from electricity or telecommunications poles or pillars

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NOTE PLANS HAVE BEEN PREPARED WITHOUT ELECTRICAL DESIGN TREES

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SUITABLE STREET TREES. STADE/FLOWER/SMALL FRUIT - ARCHUDENDRON GRANDIFLORM - BUCKINGHAMIA CELSISSIMA - DARLINGIA DARLINGIANA -DEPLANCHER TETRAPHYUA -GRENILLEA BAILEYANA - LEPIDEREMA BERICOLIGNIS - MELALEUCA VIRIDIFLORA - Minusops ELENGI - NOT SHOWY FLOWERS- BUT GREAT SHADE - SYZEGIUM FIBROSUM ) SHOWY LEAVES - SyzyGium LUEHMANNII TARENNA DAWACHIANA

RA29-N



Department of State Development, Manufacturing, Infrastructure and Planning

 Our reference:
 1912-14552 SRA

 Your reference:
 OP2019\_3370/1

 Applicant reference:
 Q184103

20 March 2020

Chief Executive Officer Douglas Shire Council PO Box 723 Mossman Qld 4873 enquiries@douglas.qld.gov.au

Attention: Neil Beck

Dear Sir/Madam

Response

# Changed referral agency response (with conditions) — Captain Cook Highway, Operational Works – Stage 1A & 1B Craiglie Subdivision (Waterway Barrier Works)

(Given under section 28 of the Development Assessment Rules)

On 17 March 2020 the department received notice of a change to the development application described below. The department has assessed the changes and now provides this changed referral agency response which replaces the response dated 19 February 2020.

Response	
Outcome:	Referral agency response – with conditions.
Date of response:	20 March 2020
Conditions:	The conditions in <b>Attachment 1</b> must be attached to any development approval.
Advice:	Advice to the applicant is in Attachment 2.
Reasons:	The reasons for the referral agency response are in Attachment 3.

Far North Queensland regional office Ground Floor, Cnr Grafton and Hartley Street, Cairns PO Box 2358, Cairns QLD 4870

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## **Development details**

Description:	Development permit	Operational Works associated with Stage 1A & 1B of 32-lot Craiglie subdivision (waterway barrier works)
SARA role:	Referral Agency.	
SARA trigger:		Division 4, Subdivision 3, Table 1, Item 1 017) - Operational work that is constructing or er works
SARA reference:	1912-14552 SRA	
Assessment Manager:	Douglas Shire Council	
Street address:	Captain Cook Highway	, Craiglie
Real property description:	Lot 2 on SR431	
Applicant name:	Port Douglas Land Dev	elopments Pty Ltd
Applicant contact details:	C/- Cardno PO Box 1619 Parramatta Park QLD 4 maurice.sheehan@car	

### Representations

An applicant may make representations to a concurrence agency, at any time before the application is decided, about changing a matter in the referral agency response (s.30 Development Assessment Rules) Copies of the relevant provisions are in Attachment 4.

A copy of this response has been sent to the applicant for their information.

For further information please contact Anthony Westbury, Planning Officer, on 0740373215 or via email CairnsSARA@dsdmip.qld.gov.au who will be pleased to assist.

Yours sincerely

Kuhuma

Brett Nancarrow Manager (Planning)

CC

Port Douglas Land Developments Pty Ltd C/- Cardno, maurice.sheehan@cardno.com.au

- enc Attachment 1 - Changed referral agency conditions Attachment 2 - Advice to the applicant Attachment 3 - Reasons for decision to impose conditions
  - Attachment 4 Change representation provision
  - Attachment 5 Approved plans and specifications

Department of State Development, Manufacturing, Infrastructure and Planning

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Attachment 1—Changed referral agency conditions (Under section 56(1)(b)(i) of the *Planning Act 2016* the following conditions must be attached to any development approval relating to this application) (Copies of the plans and specifications referenced below are found at Attachment 5)

No.	Conditions	Condition timing
Opera	tional Works	
works- Depart this de	ule 10, Part 6, Division 4, Subdivision 3, Table 1, Item 1 – Operational w –The chief executive administering the <i>Planning Act 2016</i> nominates th ment of Agriculture and Fisheries to be the enforcement authority for the velopment approval relates for the administration and enforcement of an ng condition(s):	e Director-General of the e development to which
1.	Maintain the development in accordance with the plans referenced in condition 2, and the requirements of any conditions included in this referral agency response.	At all times.
2.	Development authorised under this approval is limited as follows:	At all times.
	The operational works to raise or construct a waterway barrier works that is the formalisation of a drain, resulting in the permanent diversion of an amber waterway, including scour protection and construction of a permanent culvert crossing within Lot 2 on SR431 and shown in:	
	<ul> <li>Port Douglas Estate – Stage 1A &amp; 1B Subdivision of Lot 2 on SR431 Captain Cook Highway, Craiglie – Culvert Plan, Cardno, 12 February 2020, Q184103-CI-SK01, revision 4 <u>2</u>.</li> </ul>	
	<ul> <li>Port Douglas Estate – Stage 1A &amp; 1B Subdivision of Lot 2 on SR431 Captain Cook Highway, Craiglie – Culvert Sections Sheet 1, Cardno, 12 February 2020, Q184103-CI-SK02, revision 4 <u>2</u>.</li> </ul>	
	<ul> <li>Port Douglas Estate – Stage 1A &amp; 1B Subdivision of Lot 2 on SR431 Captain Cook Highway, Craiglie – Culvert Sections Sheet 2, Cardno, 12 February 2020, Q184103-CI-SK03, revision 4 <u>2</u>.</li> </ul>	
	<ul> <li>Port Douglas Estate – Stage 1A &amp; 1B Subdivision of Lot 2 on SR431 Captain Cook Highway, Craiglie – Culvert Details, Cardno, 12 February 2020, Q184103-CI-SK04, revision 4 <u>2</u>.</li> </ul>	
	<ul> <li>Port Douglas Estate – Stage 1A &amp; 1B Subdivision of Lot 2 on SR431 Captain Cook Highway, Craiglie – Drain Design, Cardno, 12 February 2020, Q184103-CI-SK05, revision 1.</li> </ul>	
3.	Provide written notice to notifications@daf.qld.gov.au, when the development authorised under this approval: (a) will start, and (b) when it has been completed. These notices must state this permit number 1912-14552 SRA.	At least 5 business days but no greater than 20 business days prior to the commencement of the works. Within 15 business days of the completion of the fisheries development works.

Department of State Development, Manufacturing, Infrastructure and Planning

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4.	Spoil is not disposed of within waterways and is managed to prevent acid soil development.	At all times.
5.	This fisheries development (as defined by the Fisheries Act 1994) constitutes a place that is required to be open for inspection by an inspector at all times, pursuant to section 145 of the Fisheries Act 1994.	At all times.
6.	Up and downstream fish passage must be provided across the waterway barrier(s).	At all times.
7.	The waterway barrier(s) and any associated infrastructure are to be constructed and maintained to avoid fish injury, mortality and/or entrapment.	At all times.
8.	Works within the waterway must be avoided during times of elevated flows (Q1 events or higher).	At all times.

Department of State Development, Manufacturing, Infrastructure and Planning

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### Attachment 2—Advice to the applicant

#### General advice

1. Terms and phrases used in this document are defined in the *Planning Act 2016* its regulation or the State Development Assessment Provisions (SDAP) [v2.5]. If a word remains undefined it has its ordinary meaning.

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#### Attachment 3—Reasons for referral agency response

(Given under section 56(7) of the Planning Act 2016)

#### The reasons for the department's decision are:

- The department carried out an assessment of the development application against the State Development Assessment Provisions, State Code 18: Constructing or raising waterway barrier works in fish habitats, and has found that, with conditions, the proposed development complies with the relevant assessment benchmarks as follows:
  - Adequate fish passage within the waterway is achieved by provision of a low flow channel for the length of the waterway, inclusion of a low flow culvert cell, baffles on bankside and wing walls, and roughening of all other culvert cells.
  - Douglas Shire Council is to maintain the waterway barrier to ensure fish passage is retained for the life of the barrier.

#### Material used in the assessment of the application:

- The development application material and submitted plans
- Planning Act 2016
- Planning Regulation 2017
- The State Development Assessment Provisions (version [2.5]), as published by the department
- The Development Assessment Rules
- SARA DA Mapping system
- State Planning Policy mapping system

Department of State Development, Manufacturing, Infrastructure and Planning

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# Attachment 4—Change representation provisions

(page left intentionally blank - attached separately)

Department of State Development, Manufacturing, Infrastructure and Planning

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# Development Assessment Rules—Representations about a referral agency response

The following provisions are those set out in sections 28 and 30 of the Development Assessment Rules<sup>1</sup> regarding **representations about a referral agency response** 

# Part 6: Changes to the application and referral agency responses

#### 28 Concurrence agency changes its response or gives a late response

- 28.1. Despite part 2, a concurrence agency may, after its referral agency assessment period and any further period agreed ends, change its referral agency response or give a late referral agency response before the application is decided, subject to section 28.2 and 28.3.
- 28.2. A concurrence agency may change its referral agency response at any time before the application is decided if—
  - (a) the change is in response to a change which the assessment manager is satisfied is a change under section 26.1; or
  - (b) the Minister has given the concurrence agency a direction under section 99 of the Act; or
  - (c) the applicant has given written agreement to the change to the referral agency response.<sup>2</sup>
- 28.3. A concurrence agency may give a late referral agency response before the application is decided, if the applicant has given written agreement to the late referral agency response.
- 28.4. If a concurrence agency proposes to change its referral agency response under section 28.2(a), the concurrence agency must—
  - (a) give notice of its intention to change its referral agency response to the assessment manager and a copy to the applicant within 5 days of receiving notice of the change under section 25.1; and
  - (b) the concurrence agency has 10 days from the day of giving notice under paragraph (a), or a further period agreed between the applicant and the concurrence agency, to give an amended referral agency response to the assessment manager and a copy to the applicant.

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<sup>&</sup>lt;sup>1</sup> Pursuant to Section 68 of the *Planning Act 2016* 

<sup>&</sup>lt;sup>2</sup> In the instance an applicant has made representations to the concurrence agency under section 30, and the concurrence agency agrees to make the change included in the representations, section 28.2(c) is taken to have been satisfied.

# Part 7: Miscellaneous

#### 30 Representations about a referral agency response

30.1. An applicant may make representations to a concurrence agency at any time before the application is decided, about changing a matter in the referral agency response.<sup>3</sup>

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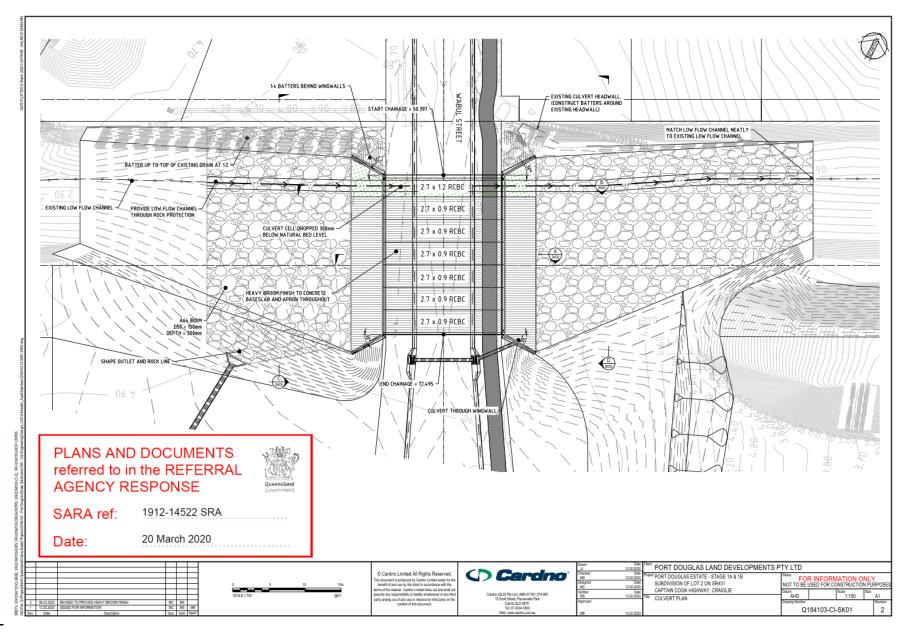
<sup>&</sup>lt;sup>3</sup> An applicant may elect, under section 32, to stop the assessment manager's decision period in which to take this action. If a concurrence agency wishes to amend their response in relation to representations made under this section, they must do so in accordance with section 28.

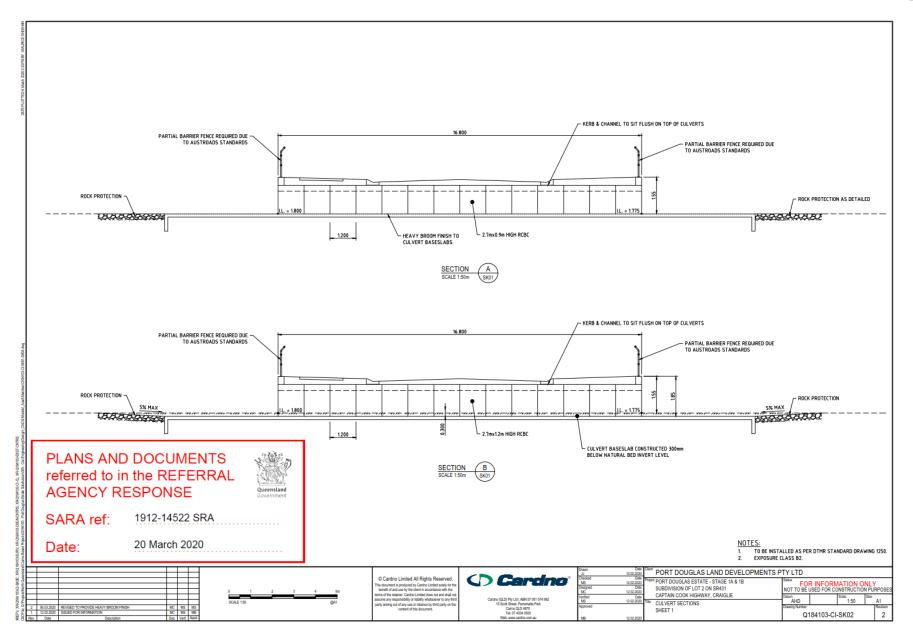
### Attachment 5—Approved plans and specifications

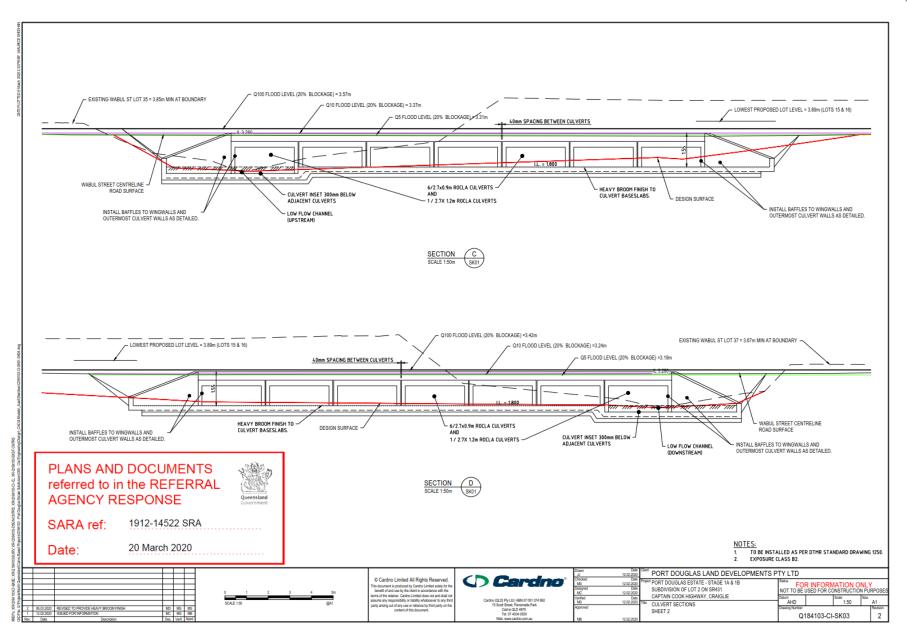
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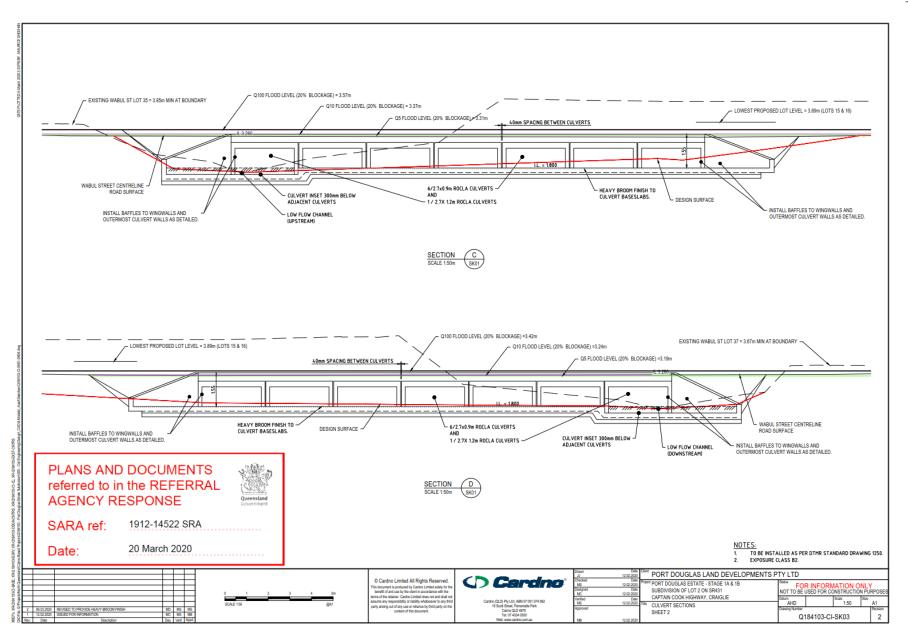
Department of State Development, Manufacturing, Infrastructure and Planning

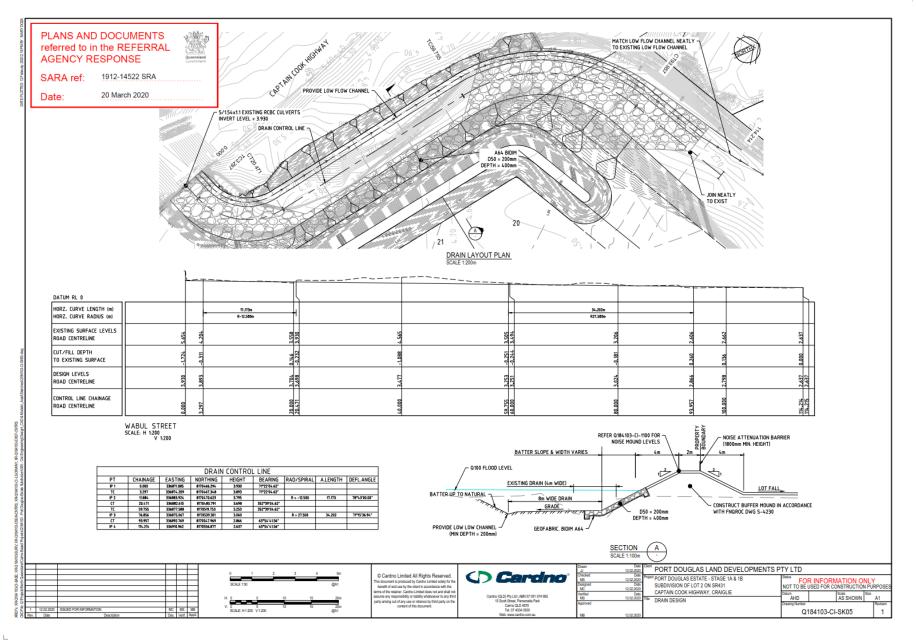
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# Extracts from the Planning Act 2016 - Making Representations During Applicant's Appeal Period

Planning Act 2016 Chapter 3 Development assessment

[s 74]

### Division 2 Changing development approvals

## Subdivision 1 Changes during appeal period

### 74 What this subdivision is about

- 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—
  - (a) a matter in the development approval, other than-
    - (i) a matter stated because of a referral agency's response; or

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- (ii) a development condition imposed under a direction made by the Minister under chapter 3, part 6, division 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)(c).
- (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 applicant receives notice that the assessment manager does not agree with 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) However, if the assessment manager gives the applicant a negotiated decision notice, the appeal period starts again on the day after the negotiated decision notice is given.

### 76 Deciding change representations

 The assessment manager must assess the change representations against and having regard to the matters that

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must be considered when assessing a development application, to the extent those matters are relevant.

- (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 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.

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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

- 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.
- (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 an infrastructure charges notice— 20 business days after the infrastructure charges notice is given to the person; or
  - (e) 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
  - (f) 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 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

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- (iii) otherwise—20 business days after the day the notice is given; or
- (g) 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.

#### 230 Notice of appeal

- 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—

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- (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.
- (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 personwithin 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.

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(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

- Subject to this chapter, 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
- (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,

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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

- 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—
  - has the qualifications or experience prescribed by regulation; and
  - (b) has demonstrated an ability
    - to negotiate and mediate outcomes between parties to a proceeding; and
    - (ii) to apply the principles of natural justice; and
    - (iii) to analyse complex technical issues; and
    - (iv) to communicate effectively, including, for example, to write informed succinct and well-organised decisions, reports, submissions or other documents.

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