

Ref: 230-004-001L

14 July 2023

Development Assessment
Douglas Shire Council
119-145 Spence Street
Mossman Qld 4873
via email: enquires@douglas.qld.gov.au

**6 Endeavour Road, Port Douglas
Operational Works Application**

We refer to the abovementioned land parcel associated with Council development approval (Negotiated Decision Notice) CA 2144/2018 dated 7 August 2018 and enclose the attached operational works application associated with civil works. We enclose the following:

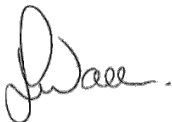
- DA Form 1 – Development Application Details.
- Statement of Compliance Operational Works Design.
- Set of project drawings.

An application assessment fee in the amount of \$7,110.00 has been calculated based on Council's current schedule of fees and charges (\$4,260 base fee plus \$570.00 per lot for 5 lots). We understand that Council will issue an invoice for the calculated amount for payment.

We trust that the above satisfies Council's requirements, however, if you have any queries, please contact me on 0427 515 177.

Yours faithfully

CivilWalker Consulting Engineers



Daryl Walker

Director | Principal Engineer

BE(Hons) ME DipPM RPEQ (19806) RPEng (1259)

cc. Jim Noli

enc. Attachment 1 – DA Form 1 Development Application Details
Attachment 2 – Statement of Compliance Operational Works Design
Attachment 3 – Project Drawings



Attachment 1

DA Form 1 Development Application Details

DA Form 1 – Development application details

Approved form (version 1.3 effective 28 September 2020) made under section 282 of the Planning Act 2016.

This form **must** be used to make a development application **involving code assessment or impact assessment**, except when applying for development involving only building work.

For a development application involving **building work only**, use *DA Form 2 – Building work details*.

For a development application involving **building work associated with any other type of assessable development (i.e. material change of use, operational work or reconfiguring a lot)**, use this form (*DA Form 1*) and parts 4 to 6 of *DA Form 2 – Building work details*.

Unless stated otherwise, all parts of this form **must** be completed in full and all required supporting information **must** accompany the development application.

One or more additional pages may be attached as a schedule to this development application if there is insufficient space on the form to include all the necessary information.

This form and any other form relevant to the development application must be used to make a development application relating to strategic port land and Brisbane core port land under the *Transport Infrastructure Act 1994*, and airport land under the *Airport Assets (Restructuring and Disposal) Act 2008*. For the purpose of assessing a development application relating to strategic port land and Brisbane core port land, any reference to a planning scheme is taken to mean a land use plan for the strategic port land, Brisbane port land use plan for Brisbane core port land, or a land use plan for airport land.

Note: All terms used in this form have the meaning given under the Planning Act 2016, the Planning Regulation 2017, or the Development Assessment Rules (DA Rules).

PART 1 – APPLICANT DETAILS

1) Applicant details	
Applicant name(s) (individual or company full name)	J & V Noli Pty Ltd
Contact name (only applicable for companies)	C/- CivilWalker Consulting Engineers, Daryl Walker
Postal address (P.O. Box or street address)	PO Box 542
Suburb	Clifton Beach
State	Qld
Postcode	4879
Country	Australia
Contact number	0427 515 177
Email address (non-mandatory)	daryl@civilwalker.com.au
Mobile number (non-mandatory)	0427 515 177
Fax number (non-mandatory)	N/A
Applicant's reference number(s) (if applicable)	230-004

2) Owner's consent	
2.1) Is written consent of the owner required for this development application?	
☐ Yes – the written consent of the owner(s) is attached to this development application	
☒ No – proceed to 3)	

PART 2 – LOCATION DETAILS

3) Location of the premises (complete 3.1) or 3.2), and 3.3) as applicable)

Note: Provide details below and attach a site plan for any or all premises part of the development application. For further information, see [DA Forms Guide: Relevant plans](#).

3.1) Street address and lot on plan

- ☒ Street address **AND** lot on plan (all lots must be listed), **or**
☐ Street address **AND** lot on plan for an adjoining or adjacent property of the premises (appropriate for development in water but adjoining or adjacent to land e.g. jetty, pontoon. All lots must be listed).

a)	Unit No.	Street No.	Street Name and Type	Suburb
	-	6	Endeavour Street	Port Douglas
	Postcode	Lot No.	Plan Type and Number (e.g. RP, SP)	Local Government Area(s)
	4877	2	RP739097	Douglas Shire Council
b)	Unit No.	Street No.	Street Name and Type	Suburb
	Postcode	Lot No.	Plan Type and Number (e.g. RP, SP)	Local Government Area(s)

3.2) Coordinates of premises (appropriate for development in remote areas, over part of a lot or in water not adjoining or adjacent to land e.g. channel dredging in Moreton Bay)

Note: Place each set of coordinates in a separate row.

☐ Coordinates of premises by longitude and latitude

Longitude(s)	Latitude(s)	Datum	Local Government Area(s) (if applicable)
		☐ WGS84 ☐ GDA94 ☐ Other:	

☐ Coordinates of premises by easting and northing

Easting(s)	Northing(s)	Zone Ref.	Datum	Local Government Area(s) (if applicable)
		☐ 54 ☐ 55 ☐ 56	☐ WGS84 ☐ GDA94 ☐ Other:	

3.3) Additional premises

- ☐ Additional premises are relevant to this development application and the details of these premises have been attached in a schedule to this development application
☒ Not required

4) Identify any of the following that apply to the premises and provide any relevant details

☐ In or adjacent to a water body or watercourse or in or above an aquifer
 Name of water body, watercourse or aquifer:

☐ On strategic port land under the *Transport Infrastructure Act 1994*
 Lot on plan description of strategic port land:
 Name of port authority for the lot:

☐ In a tidal area
 Name of local government for the tidal area (if applicable):
 Name of port authority for tidal area (if applicable):

☐ On airport land under the *Airport Assets (Restructuring and Disposal) Act 2008*
 Name of airport:

☐ Listed on the Environmental Management Register (EMR) under the <i>Environmental Protection Act 1994</i>
EMR site identification:
☐ Listed on the Contaminated Land Register (CLR) under the <i>Environmental Protection Act 1994</i>
CLR site identification:

5) Are there any existing easements over the premises?

Note: Easement uses vary throughout Queensland and are to be identified correctly and accurately. For further information on easements and how they may affect the proposed development, see [DA Forms Guide](#).

- ☐ Yes – All easement locations, types and dimensions are included in plans submitted with this development application
- ☒ No

PART 3 – DEVELOPMENT DETAILS

Section 1 – Aspects of development

6.1) Provide details about the first development aspect

a) What is the type of development? *(tick only one box)*

- ☐ Material change of use ☐ Reconfiguring a lot ☒ Operational work ☐ Building work

b) What is the approval type? *(tick only one box)*

- ☒ Development permit ☐ Preliminary approval ☐ Preliminary approval that includes a variation approval

c) What is the level of assessment?

- ☒ Code assessment ☐ Impact assessment *(requires public notification)*

d) Provide a brief description of the proposal *(e.g. 6 unit apartment building defined as multi-unit dwelling, reconfiguration of 1 lot into 3 lots):*

Reconfiguration of 1 lot into 5 lots and associated infrastructure

e) Relevant plans

Note: Relevant plans are required to be submitted for all aspects of this development application. For further information, see [DA Forms guide: Relevant plans](#).

- ☒ Relevant plans of the proposed development are attached to the development application

6.2) Provide details about the second development aspect

a) What is the type of development? *(tick only one box)*

- ☐ Material change of use ☐ Reconfiguring a lot ☐ Operational work ☐ Building work

b) What is the approval type? *(tick only one box)*

- ☐ Development permit ☐ Preliminary approval ☐ Preliminary approval that includes a variation approval

c) What is the level of assessment?

- ☐ Code assessment ☐ Impact assessment *(requires public notification)*

d) Provide a brief description of the proposal *(e.g. 6 unit apartment building defined as multi-unit dwelling, reconfiguration of 1 lot into 3 lots):*

e) Relevant plans

Note: Relevant plans are required to be submitted for all aspects of this development application. For further information, see [DA Forms Guide: Relevant plans](#).

- ☐ Relevant plans of the proposed development are attached to the development application

6.3) Additional aspects of development

- ☐ Additional aspects of development are relevant to this development application and the details for these aspects that would be required under Part 3 Section 1 of this form have been attached to this development application

- ☒ Not required

Section 2 – Further development details

7) Does the proposed development application involve any of the following?	
Material change of use	☐ Yes – complete division 1 if assessable against a local planning instrument
Reconfiguring a lot	☐ Yes – complete division 2
Operational work	☒ Yes – complete division 3
Building work	☐ Yes – complete DA Form 2 – Building work details

Division 1 – Material change of use

Note: This division is only required to be completed if any part of the development application involves a material change of use assessable against a local planning instrument.

8.1) Describe the proposed material change of use			
Provide a general description of the proposed use	Provide the planning scheme definition (include each definition in a new row)	Number of dwelling units (if applicable)	Gross floor area (m ²) (if applicable)

8.2) Does the proposed use involve the use of existing buildings on the premises?	
☐ Yes	
☒ No	

Division 2 – Reconfiguring a lot

Note: This division is only required to be completed if any part of the development application involves reconfiguring a lot.

9.1) What is the total number of existing lots making up the premises?	

9.2) What is the nature of the lot reconfiguration? (tick all applicable boxes)	
☐ Subdivision (complete 10))	☐ Dividing land into parts by agreement (complete 11))
☐ Boundary realignment (complete 12))	☐ Creating or changing an easement giving access to a lot from a constructed road (complete 13))

10) Subdivision				
10.1) For this development, how many lots are being created and what is the intended use of those lots:				
Intended use of lots created	Residential	Commercial	Industrial	Other, please specify:
Number of lots created				

10.2) Will the subdivision be staged?	
☐ Yes – provide additional details below	
☒ No	

How many stages will the works include?	
What stage(s) will this development application apply to?	

11) Dividing land into parts by agreement – how many parts are being created and what is the intended use of the parts?				
Intended use of parts created	Residential	Commercial	Industrial	Other, please specify:
Number of parts created				

12) Boundary realignment			
12.1) What are the current and proposed areas for each lot comprising the premises?			
Current lot		Proposed lot	
Lot on plan description	Area (m ²)	Lot on plan description	Area (m ²)
12.2) What is the reason for the boundary realignment?			

13) What are the dimensions and nature of any existing easements being changed and/or any proposed easement? (attach schedule if there are more than two easements)				
Existing or proposed?	Width (m)	Length (m)	Purpose of the easement? (e.g. pedestrian access)	Identify the land/lot(s) benefitted by the easement

Division 3 – Operational work

Note: This division is only required to be completed if any part of the development application involves operational work.

14.1) What is the nature of the operational work?	
☒ Road work ☒ Drainage work ☐ Landscaping ☐ Other – please specify:	☒ Stormwater ☒ Earthworks ☐ Signage ☒ Water infrastructure ☒ Sewage infrastructure ☒ Clearing vegetation
14.2) Is the operational work necessary to facilitate the creation of new lots? (e.g. subdivision)	
☒ Yes – specify number of new lots:	4
☐ No	
14.3) What is the monetary value of the proposed operational work? (include GST, materials and labour)	
\$580,000.00	

PART 4 – ASSESSMENT MANAGER DETAILS

15) Identify the assessment manager(s) who will be assessing this development application
Douglas Shire Council
16) Has the local government agreed to apply a superseded planning scheme for this development application?
☐ Yes – a copy of the decision notice is attached to this development application ☐ The local government is taken to have agreed to the superseded planning scheme request – relevant documents attached ☒ No

PART 5 – REFERRAL DETAILS

17) Does this development application include any aspects that have any referral requirements?

Note: A development application will require referral if prescribed by the Planning Regulation 2017.

☒ No, there are no referral requirements relevant to any development aspects identified in this development application – proceed to Part 6

Matters requiring referral to the **Chief Executive of the Planning Act 2016**:

- ☐ Clearing native vegetation
- ☐ Contaminated land (*unexploded ordnance*)
- ☐ Environmentally relevant activities (ERA) (*only if the ERA has not been devolved to a local government*)
- ☐ Fisheries – aquaculture
- ☐ Fisheries – declared fish habitat area
- ☐ Fisheries – marine plants
- ☐ Fisheries – waterway barrier works
- ☐ Hazardous chemical facilities
- ☐ Heritage places – Queensland heritage place (*on or near a Queensland heritage place*)
- ☐ Infrastructure-related referrals – designated premises
- ☐ Infrastructure-related referrals – state transport infrastructure
- ☐ Infrastructure-related referrals – State transport corridor and future State transport corridor
- ☐ Infrastructure-related referrals – State-controlled transport tunnels and future state-controlled transport tunnels
- ☐ Infrastructure-related referrals – near a state-controlled road intersection
- ☐ Koala habitat in SEQ region – interfering with koala habitat in koala habitat areas outside koala priority areas
- ☐ Koala habitat in SEQ region – key resource areas
- ☐ Ports – Brisbane core port land – near a State transport corridor or future State transport corridor
- ☐ Ports – Brisbane core port land – environmentally relevant activity (ERA)
- ☐ Ports – Brisbane core port land – tidal works or work in a coastal management district
- ☐ Ports – Brisbane core port land – hazardous chemical facility
- ☐ Ports – Brisbane core port land – taking or interfering with water
- ☐ Ports – Brisbane core port land – referable dams
- ☐ Ports – Brisbane core port land – fisheries
- ☐ Ports – Land within Port of Brisbane's port limits (*below high-water mark*)
- ☐ SEQ development area
- ☐ SEQ regional landscape and rural production area or SEQ rural living area – tourist activity or sport and recreation activity
- ☐ SEQ regional landscape and rural production area or SEQ rural living area – community activity
- ☐ SEQ regional landscape and rural production area or SEQ rural living area – indoor recreation
- ☐ SEQ regional landscape and rural production area or SEQ rural living area – urban activity
- ☐ SEQ regional landscape and rural production area or SEQ rural living area – combined use
- ☐ Tidal works or works in a coastal management district
- ☐ Reconfiguring a lot in a coastal management district or for a canal
- ☐ Erosion prone area in a coastal management district
- ☐ Urban design
- ☐ Water-related development – taking or interfering with water
- ☐ Water-related development – removing quarry material (*from a watercourse or lake*)
- ☐ Water-related development – referable dams
- ☐ Water-related development – levees (*category 3 levees only*)
- ☐ Wetland protection area

Matters requiring referral to the **local government**:

- ☐ Airport land
- ☐ Environmentally relevant activities (ERA) (*only if the ERA has been devolved to local government*)

☐ Heritage places – Local heritage places
Matters requiring referral to the Chief Executive of the distribution entity or transmission entity:
☐ Infrastructure-related referrals – Electricity infrastructure
Matters requiring referral to:
• The Chief Executive of the holder of the licence, if not an individual • The holder of the licence, if the holder of the licence is an individual
☐ Infrastructure-related referrals – Oil and gas infrastructure
Matters requiring referral to the Brisbane City Council:
☐ Ports – Brisbane core port land
Matters requiring referral to the Minister responsible for administering the <i>Transport Infrastructure Act 1994</i>:
☐ Ports – Brisbane core port land <i>(where inconsistent with the Brisbane port LUP for transport reasons)</i>
☐ Ports – Strategic port land
Matters requiring referral to the relevant port operator , if applicant is not port operator:
☐ Ports – Land within Port of Brisbane's port limits <i>(below high-water mark)</i>
Matters requiring referral to the Chief Executive of the relevant port authority:
☐ Ports – Land within limits of another port <i>(below high-water mark)</i>
Matters requiring referral to the Gold Coast Waterways Authority:
☐ Tidal works or work in a coastal management district <i>(in Gold Coast waters)</i>
Matters requiring referral to the Queensland Fire and Emergency Service:
☐ Tidal works or work in a coastal management district <i>(involving a marina (more than six vessel berths))</i>

18) Has any referral agency provided a referral response for this development application?		
☐ Yes – referral response(s) received and listed below are attached to this development application		
☒ No		
Referral requirement	Referral agency	Date of referral response
Identify and describe any changes made to the proposed development application that was the subject of the referral response and this development application, or include details in a schedule to this development application <i>(if applicable)</i> .		

PART 6 – INFORMATION REQUEST

19) Information request under Part 3 of the DA Rules
☒ I agree to receive an information request if determined necessary for this development application
☐ I do not agree to accept an information request for this development application
Note: By not agreeing to accept an information request I, the applicant, acknowledge: • that this development application will be assessed and decided based on the information provided when making this development application and the assessment manager and any referral agencies relevant to the development application are not obligated under the DA Rules to accept any additional information provided by the applicant for the development application unless agreed to by the relevant parties • Part 3 of the DA Rules will still apply if the application is an application listed under section 11.3 of the DA Rules. Further advice about information requests is contained in the DA Forms Guide .

PART 7 – FURTHER DETAILS

20) Are there any associated development applications or current approvals? (e.g. a preliminary approval)

- ☒ Yes – provide details below or include details in a schedule to this development application
☐ No

List of approval/development application references	Reference number	Date	Assessment manager
☐ Approval ☒ Development application	CA 2144/2018	7 August 2018	Douglas Shire Council
☐ Approval ☐ Development application			

21) Has the portable long service leave levy been paid? (only applicable to development applications involving building work or operational work)

- ☐ Yes – a copy of the receipted QLeave form is attached to this development application
☒ No – I, the applicant will provide evidence that the portable long service leave levy has been paid before the assessment manager decides the development application. I acknowledge that the assessment manager may give a development approval only if I provide evidence that the portable long service leave levy has been paid
☐ Not applicable (e.g. building and construction work is less than \$150,000 excluding GST)

Amount paid	Date paid (dd/mm/yy)	QLeave levy number (A, B or E)
\$		

22) Is this development application in response to a show cause notice or required as a result of an enforcement notice?

- ☐ Yes – show cause or enforcement notice is attached
☒ No

23) Further legislative requirements

Environmentally relevant activities

23.1) Is this development application also taken to be an application for an environmental authority for an **Environmentally Relevant Activity (ERA)** under section 115 of the *Environmental Protection Act 1994*?

- ☐ Yes – the required attachment (form ESR/2015/1791) for an application for an environmental authority accompanies this development application, and details are provided in the table below
☒ No

Note: Application for an environmental authority can be found by searching “ESR/2015/1791” as a search term at www.qld.gov.au. An ERA requires an environmental authority to operate. See www.business.qld.gov.au for further information.

Proposed ERA number:		Proposed ERA threshold:	
Proposed ERA name:			

- ☐ Multiple ERAs are applicable to this development application and the details have been attached in a schedule to this development application.

Hazardous chemical facilities

23.2) Is this development application for a **hazardous chemical facility**?

- ☐ Yes – Form 69: Notification of a facility exceeding 10% of schedule 15 threshold is attached to this development application
☒ No

Note: See www.business.qld.gov.au for further information about hazardous chemical notifications.

Clearing native vegetation

23.3) Does this development application involve **clearing native vegetation** that requires written confirmation that the chief executive of the *Vegetation Management Act 1999* is satisfied the clearing is for a relevant purpose under section 22A of the *Vegetation Management Act 1999*?

☐ Yes – this development application includes written confirmation from the chief executive of the *Vegetation Management Act 1999* (s22A determination)

☒ No

Note: 1. Where a development application for operational work or material change of use requires a s22A determination and this is not included, the development application is prohibited development.
2. See <https://www.qld.gov.au/environment/land/vegetation/applying> for further information on how to obtain a s22A determination.

Environmental offsets

23.4) Is this development application taken to be a prescribed activity that may have a significant residual impact on a **prescribed environmental matter** under the *Environmental Offsets Act 2014*?

☐ Yes – I acknowledge that an environmental offset must be provided for any prescribed activity assessed as having a significant residual impact on a prescribed environmental matter

☒ No

Note: The environmental offset section of the Queensland Government's website can be accessed at www.qld.gov.au for further information on environmental offsets.

Koala habitat in SEQ Region

23.5) Does this development application involve a material change of use, reconfiguring a lot or operational work which is assessable development under Schedule 10, Part 10 of the Planning Regulation 2017?

☐ Yes – the development application involves premises in the koala habitat area in the koala priority area

☐ Yes – the development application involves premises in the koala habitat area outside the koala priority area

☒ No

Note: If a koala habitat area determination has been obtained for this premises and is current over the land, it should be provided as part of this development application. See koala habitat area guidance materials at www.des.qld.gov.au for further information.

Water resources

23.6) Does this development application involve **taking or interfering with underground water through an artesian or subartesian bore, taking or interfering with water in a watercourse, lake or spring, or taking overland flow water under the Water Act 2000**?

☐ Yes – the relevant template is completed and attached to this development application and I acknowledge that a relevant authorisation or licence under the *Water Act 2000* may be required prior to commencing development

☒ No

Note: Contact the Department of Natural Resources, Mines and Energy at www.dnrme.qld.gov.au for further information.

DA templates are available from <https://planning.dsdmp.qld.gov.au/>. If the development application involves:

- Taking or interfering with underground water through an artesian or subartesian bore: complete DA Form 1 Template 1
- Taking or interfering with water in a watercourse, lake or spring: complete DA Form 1 Template 2
- Taking overland flow water: complete DA Form 1 Template 3.

Waterway barrier works

23.7) Does this application involve **waterway barrier works**?

☐ Yes – the relevant template is completed and attached to this development application

☒ No

DA templates are available from <https://planning.dsdmp.qld.gov.au/>. For a development application involving waterway barrier works, complete DA Form 1 Template 4.

Marine activities

23.8) Does this development application involve **aquaculture, works within a declared fish habitat area or removal, disturbance or destruction of marine plants**?

☐ Yes – an associated resource allocation authority is attached to this development application, if required under the *Fisheries Act 1994*

☒ No

Note: See guidance materials at www.daf.qld.gov.au for further information.

Quarry materials from a watercourse or lake

23.9) Does this development application involve the **removal of quarry materials from a watercourse or lake** under the *Water Act 2000*?

- ☐ Yes – I acknowledge that a quarry material allocation notice must be obtained prior to commencing development
☒ No

Note: Contact the Department of Natural Resources, Mines and Energy at www.dnrme.qld.gov.au and www.business.qld.gov.au for further information.

Quarry materials from land under tidal waters

23.10) Does this development application involve the **removal of quarry materials from land under tidal water** under the *Coastal Protection and Management Act 1995*?

- ☐ Yes – I acknowledge that a quarry material allocation notice must be obtained prior to commencing development
☒ No

Note: Contact the Department of Environment and Science at www.des.qld.gov.au for further information.

Referable dams

23.11) Does this development application involve a **referable dam** required to be failure impact assessed under section 343 of the *Water Supply (Safety and Reliability) Act 2008* (the *Water Supply Act*)?

- ☐ Yes – the 'Notice Accepting a Failure Impact Assessment' from the chief executive administering the *Water Supply Act* is attached to this development application
☒ No

Note: See guidance materials at www.dnrme.qld.gov.au for further information.

Tidal work or development within a coastal management district

23.12) Does this development application involve **tidal work or development in a coastal management district**?

- ☐ Yes – the following is included with this development application:
- ☐ Evidence the proposal meets the code for assessable development that is prescribed tidal work (*only required if application involves prescribed tidal work*)
 - ☐ A certificate of title
- ☒ No

Note: See guidance materials at www.des.qld.gov.au for further information.

Queensland and local heritage places

23.13) Does this development application propose development on or adjoining a place entered in the **Queensland heritage register** or on a place entered in a local government's **Local Heritage Register**?

- ☐ Yes – details of the heritage place are provided in the table below
☒ No

Note: See guidance materials at www.des.qld.gov.au for information requirements regarding development of Queensland heritage places.

Name of the heritage place:		Place ID:	
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Brothels

23.14) Does this development application involve a **material change of use for a brothel**?

- ☐ Yes – this development application demonstrates how the proposal meets the code for a development application for a brothel under Schedule 3 of the *Prostitution Regulation 2014*
☒ No

Decision under section 62 of the Transport Infrastructure Act 1994

23.15) Does this development application involve new or changed access to a state-controlled road?

- ☐ Yes – this application will be taken to be an application for a decision under section 62 of the *Transport Infrastructure Act 1994* (subject to the conditions in section 75 of the *Transport Infrastructure Act 1994* being satisfied)
☒ No

Walkable neighbourhoods assessment benchmarks under Schedule 12A of the Planning Regulation

23.16) Does this development application involve reconfiguring a lot into 2 or more lots in certain residential zones (except rural residential zones), where at least one road is created or extended?

☐ Yes – Schedule 12A is applicable to the development application and the assessment benchmarks contained in schedule 12A have been considered

☒ No

Note: See guidance materials at www.planning.dsdmip.qld.gov.au for further information.

PART 8 – CHECKLIST AND APPLICANT DECLARATION

24) Development application checklist

I have identified the assessment manager in question 15 and all relevant referral requirement(s) in question 17

☒ Yes

Note: See the Planning Regulation 2017 for referral requirements

If building work is associated with the proposed development, Parts 4 to 6 of [DA Form 2 – Building work details](#) have been completed and attached to this development application

☐ Yes

☒ Not applicable

Supporting information addressing any applicable assessment benchmarks is with the development application

Note: This is a mandatory requirement and includes any relevant templates under question 23, a planning report and any technical reports required by the relevant categorising instruments (e.g. local government planning schemes, State Planning Policy, State Development Assessment Provisions). For further information, see [DA Forms Guide: Planning Report Template](#).

☒ Yes

Relevant plans of the development are attached to this development application

Note: Relevant plans are required to be submitted for all aspects of this development application. For further information, see [DA Forms Guide: Relevant plans](#).

☒ Yes

The portable long service leave levy for QLeave has been paid, or will be paid before a development permit is issued (see 21)

☒ Yes

☐ Not applicable

25) Applicant declaration

☒ By making this development application, I declare that all information in this development application is true and correct

☒ Where an email address is provided in Part 1 of this form, I consent to receive future electronic communications from the assessment manager and any referral agency for the development application where written information is required or permitted pursuant to sections 11 and 12 of the *Electronic Transactions Act 2001*

Note: It is unlawful to intentionally provide false or misleading information.

Privacy – Personal information collected in this form will be used by the assessment manager and/or chosen assessment manager, any relevant referral agency and/or building certifier (including any professional advisers which may be engaged by those entities) while processing, assessing and deciding the development application. All information relating to this development application may be available for inspection and purchase, and/or published on the assessment manager's and/or referral agency's website.

Personal information will not be disclosed for a purpose unrelated to the *Planning Act 2016*, Planning Regulation 2017 and the DA Rules except where:

- such disclosure is in accordance with the provisions about public access to documents contained in the *Planning Act 2016* and the Planning Regulation 2017, and the access rules made under the *Planning Act 2016* and Planning Regulation 2017; or
- required by other legislation (including the *Right to Information Act 2009*); or
- otherwise required by law.

This information may be stored in relevant databases. The information collected will be retained as required by the *Public Records Act 2002*.

PART 9 – FOR COMPLETION OF THE ASSESSMENT MANAGER – FOR OFFICE USE ONLY

Date received: Reference number(s):

Notification of engagement of alternative assessment manager

Prescribed assessment manager	
Name of chosen assessment manager	
Date chosen assessment manager engaged	
Contact number of chosen assessment manager	
Relevant licence number(s) of chosen assessment manager	

QLeave notification and payment

Note: For completion by assessment manager if applicable

Description of the work	
QLeave project number	
Amount paid (\$)	Date paid (dd/mm/yy)
Date receipted form sighted by assessment manager	
Name of officer who sighted the form	



Attachment 2
Statement of Compliance Engineering Design

FNQROC DEVELOPMENT MANUAL

Council

Douglas Shire Council

STATEMENT OF COMPLIANCE OPERATIONAL WORKS DESIGN

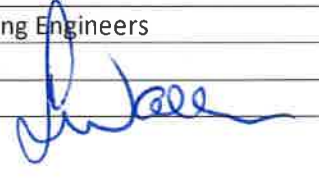
This form duly completed and signed by an authorized agent of the Designer shall be submitted with the Operational Works Application for Council Approval.

Name of Development	Endeavour Road Subdivision
Location of Development	6 Endeavour Road, Port Douglas
Applicant	J & V Noli Pty Ltd
Designer	CivilWalker Consulting Engineers

It is hereby certified that the Calculations, Drawings, Specifications, and related documents submitted herewith have been prepared, checked and amended in accordance with the requirements of the FNQROC Development Manual and that the completed works comply with the requirements therein, **except** as noted below.

Compliance with the requirements of the Operational Works Design Guidelines	Non-Compliance refers to non-compliance report / drawing number
Plan presentation	Yes
Geotechnical requirements	Not Applicable
Geometric road design	Not Applicable
Pavements	Yes
Structures / bridges	Not Applicable
Sub-surface drainage	Yes
Stormwater drainage	Yes
Site re-grading	Yes
Erosion control and stormwater management	Yes
Pest plant management	Yes
Cycleway / pathways	Yes
Landscaping	Not Applicable
Water source and disinfection / treatment infrastructure (if applicable)	Not Applicable
Water reticulation, pump stations and water storages	Not Applicable
Sewer reticulation and pump stations	Yes
Electrical reticulation and street lighting	Not Applicable
Public transport	Not Applicable
Associated documentation / specification	Yes
Priced schedule of quantities	No
Referral agency conditions	Not Applicable
Supporting documentation (AP1.08)	Yes
Other	Not Applicable

Conscientiously believing the above statements to be true and correct, signed on behalf of:

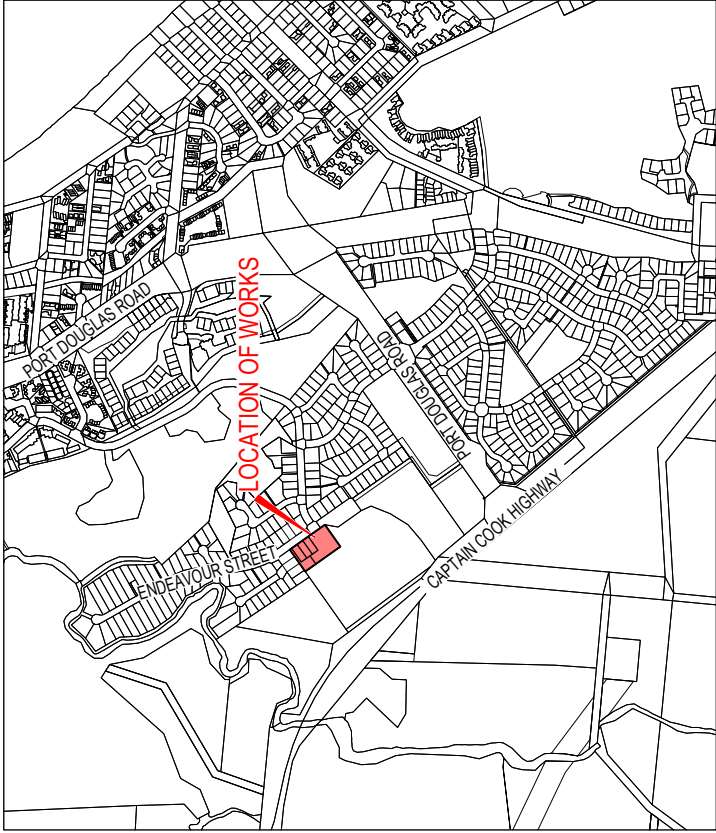
Designer	CivilWalker Consulting Engineers	RPEQ No	19806
Name in Full	Daryl James Walker		
Signature		Date	14.07.23



Attachment 3
Project Drawings

ENDEAVOUR STREET SUBDIVISION CIVIL OPERATIONAL WORK

PROJECT No: 230-004



LOCALITY PLAN
N.T.S.

PROJECT DRAWINGS

DRAWING No.	DRAWING TITLE
230-004-C01	COVER SHEET, DRAWING INDEX & LOCALITY
230-004-C02	IMPORTANT NOTES
230-004-C03	GENERAL ARRANGEMENT
230-004-C04	EARTHWORK & SITE LEVELS
230-004-C05	DRIVEWAY LONGITUDINAL SECTIONS
230-004-C06	DRIVEWAY CROSS SECTIONS
230-004-C07	STORMWATER DRAINAGE LAYOUT
230-004-C08	STORMWATER DRAINAGE LONGITUDINAL SECTION
230-004-C09	STORMWATER DRAINAGE - OPEN DRAIN DETAILS
230-004-C10	SEWERAGE & WATER RETICULATION LAYOUT
230-004-C11	SEWERAGE LONGITUDINAL SECTION
230-004-C12	MISCELLANEOUS DETAILS
230-004-C13	EROSION & SEDIMENT CONTROL STRATEGY

FNQROC STANDARD DRAWINGS

DRAWING No.	DRAWING TITLE
S1000	CONCRETE KERB & CHANNEL PROFILES & DIMENSIONS
S1015	ACCESS CROSSTOVERS
S1035	PATHWAYS / BIKEWAYS
S1095	SUBSURFACE DRAINAGE FLUSHING POINTS OUTLET
S1110	CONCRETE DRIVEWAY FOR ALLOTMENT ACCESS
S3000	SEWERAGE MANHOLES
S3005	PROPERTY CONNECTION BRANCHES
S3015	SEWER BEDDING TRENCH DETAILS

INSTITUTE OF PUBLIC WORKS ENGINEERING AUSTRALIA
STANDARD DRAWINGS

DRAWING No.	DRAWING TITLE
D-0040	SEDIMENT CONTROL DEVICES - SEDIMENT FENCE, ENTRY/EXIT SEDIMENT TRAP
D-0041	SEDIMENT CONTROL DEVICES - KERB AND FIELD INLETS, CHECK DAMS & STRAW BALE BANKS

REVISIONS			
A	14.07.23	INITIAL	ISSUE
NO.	DATE	DESCRIPTION	DESIGN / APPROVED

CLIENT
J & V NOLI

SCALE
ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE



DRAWN	CMD	DJW	ENDEAVOUR STREET SUBDIVISION
DESIGNED	CMD	DJW	COVER SHEET, DRAWING INDEX & LOCALITY
APPROVED			
ORIGINAL CERTIFIED BY D.J.WALKER			DRAWING NO.
			230-004-C01
			REVISION
			A

FNQROC REGIONAL DEVELOPMENT MANUAL

- CONSTRUCTION AND INSTALLATION OF ALL WORKS AS DETAILED ON THESE DRAWINGS SHALL BE IN ACCORDANCE WITH THE PROCEDURES, SPECIFICATIONS AND REFERENCED STANDARD DRAWINGS CONTAINED IN THE CURRENT ISSUE OF THE FNQROC DEVELOPMENT MANUAL UNLESS NOTED OTHERWISE.

COMPLIANCE WITH ASSESSMENT MANAGER CONDITIONS

- CONSTRUCTION OF THE WORKS DETAILED ON THESE DRAWINGS SHALL NOT COMMENCE UNTIL AN OPERATIONAL WORKS PERMIT HAS BEEN ISSUED BY COUNCIL AND THE REQUIRED PRE-START MEETING HAS BEEN HELD.
- THE CONTRACTOR SHALL COMPLY WITH ALL RELEVANT CONDITIONS SET OUT IN THE COUNCIL DECISION NOTICE FOR OPERATIONAL WORK.

SURVEY & EXISTING SERVICES

- THE EXISTING SERVICES SHOWN ON THESE DRAWINGS ARE DERIVED FROM SURFACE SURVEY AS DETAILED ON RPS DRAWINGS. THEY MAY NOT REPRESENT ALL OF THE SERVICES SHOWN ON THOSE DRAWINGS, OR ALL OF THE EXISTING SERVICES PRESENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REVIEWING THE SURVEY AND SUBSEQUENTLY LOCATING ALL EXISTING SERVICES PRIOR TO ANY WORKS COMMENCING. ONCE THE LINE AND LEVEL OF EXISTING UNDERGROUND SERVICES HAS BEEN CONFIRMED BY THE CONTRACTOR, THE ENGINEER SHALL BE NOTIFIED OF ANY POTENTIAL CLASHES WITH THE DESIGN PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL DAMAGE TO EXISTING SERVICES SHALL BE MADE GOOD TO THE SATISFACTION OF THE SUPERINTENDENT AND THE RELEVANT AUTHORITY AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL NOTIFY THE RELEVANT AUTHORITY IMMEDIATELY IF ANY DAMAGE OCCURS.

EARTHWORKS NOTES

- IN ACCORDANCE WITH THE LAND PROTECTION (PEST AND STOCK ROUTE MANAGEMENT) ACT 2002, SOIL OR ANY MATTER CONTAINING REPRODUCTIVE PEST PLANT MATERIAL MUST NOT BE REMOVED FROM THE SITE. THE CONTRACTOR'S ENVIRONMENTAL MANAGEMENT PLAN MUST IDENTIFY APPROPRIATE MEASURES TO BE PUT IN PLACE TO ENSURE THAT SOIL AND OTHER ORGANIC MATERIALS ARE NOT INADVERTENTLY TRANSPORTED TO OTHER LOCATIONS. THE CONTRACTOR SHALL CONTACT COUNCIL'S PEST MANAGEMENT UNIT TO OBTAIN ADVICE WITH REGARD TO DEVELOPING THIS COMPONENT OF THE ENVIRONMENTAL MANAGEMENT PLAN. SOIL (OR OTHER MATTER) CONTAMINATED WITH WEED SEED OR ORGANIC MATERIAL SHOULD NOT BE USED IN LANDSCAPING. A VEHICLE WASH DOWN AND INSPECTION AREA MUST BE PROVIDED FOR ALL MACHINERY / PLANT ENTERING AND LEAVING THE SITE DURING CONSTRUCTION TO REDUCE THE SPREAD OF INVASIVE WEED SPECIES. STRIP AND REMOVE EXISTING TOPSOIL. SOIL CONTAINING SIGNIFICANT AMOUNTS OF ORGANIC MATERIALS AND ALSO ANY DELETERIOUS SOFT WET OR HIGHLY COMPRESSIVE MATERIALS. MATERIALS CONTAMINATED THROUGH PAST SITE USAGE WHICH MAY CONTAIN TOXIC SUBSTANCES OR SOLUBLE COMPOUNDS HARMFUL TO GROUND WATER, MATERIALS CONTAINING SUBSTANCES THAT CAN BE DISSOLVED OR LEACHED OUT IN THE PRESENCE OF MOISTURE (EG GYPSUM) OR WHICH UNDERGO VOLUME CHANGE OR LOSS OF STRENGTH WHEN DISTURBED AND EXPOSED TO MOISTURE (EG. SOME SHALES AND SANDSTONES), SILTS OR MATERIALS THAT HAVE THE DELETERIOUS PROPERTIES OF SILT, AND MATERIAL THAT CONTAINS WOOD, METAL, PLASTIC, BOULDERS OR OTHER DELETERIOUS MATERIAL.
- REMOVE ALL FISSURED MATERIALS.
- CLEAR THE SURFACE OF ANY LOOSE ROCK AND SOIL.
- THE EXISTING SURFACE SHALL THEN BE COMPACTED TO A MINIMUM DRY DENSITY RATIO OF 98% SRDD AND MOISTURE TESTED TO A RANGE OF -2% (DRY) TO +2% (WET) OF OPTIMUM MOISTURE CONTENT USING A STEEL DRUM OR PAD FOOT ROLLER. ANY SOFT SPOTS SHALL BOUGHT TO THE ATTENTION OF THE ENGINEER FOR INSTRUCTION ON HOW TO PROCEED.
- NO FILLING OR PAVEMENT CONSTRUCTION OPERATION IS TO BE UNDERTAKEN UNTIL THE ENGINEER HAS PROVIDED AUTHORISATION TO DO SO.**
- ANY REQUIRED IMPORTED FILL MATERIAL SHALL BE IN ACCORDANCE WITH THE BELOW REQUIREMENTS AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO FILLING OPERATIONS COMMENCING:

AS METRIC SIEVE	% PASSING BY WEIGHT
75mm	100
2.36mm	25 - 70
75um	0 - 30
MINIATURE ABRASION LOSS PASSING 2.36mm	0 - 15
LINEAR SHRINKAGE PASSING 4.25um	0 - 8
MATERIAL RETAINED ON 2.36mm SIEVE SHALL CONSIST OF SOUND STONE SOAKED CBR 15 AT 95% SRDD COMPACTION	
- ANY REQUIRED FILLING SHALL BE UNDERTAKEN BY PLACING APPROVED MATERIAL IN UNIFORM HORIZONTAL LAYERS NOT EXCEEDING 200mm LOOSE THICKNESS AND COMPACTED TO ACHIEVE A DRY DENSITY RATIO OF AT LEAST 95% SRDD. THE MOISTURE CONTENT OF FILL MATERIALS SHALL BE MAINTAINED AT -2% (DRY) TO +2% (WET) OF OPTIMUM MOISTURE CONTENT DURING AND AFTER COMPACTION.
- THE FOLLOWING TESTING / INSPECTION REQUIREMENTS SHALL BE COMPLIED WITH:
 - INSPECTION PRIOR TO FILLING OPERATIONS COMMENCING TO CONFIRM UNSUITABLE MATERIAL HAS BEEN REMOVED
 - COMPACTION TEST RESULTS FOR PREPARED EXISTING SURFACE (PRIOR TO FILLING) AT 1 TEST / 2,500m² AREA.
 - FILL MATERIAL QUALITY CERTIFICATE FROM A NATA APPROVED LABORATORY TO CONFIRM ANY IMPORTED FILL MATERIAL IS IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.
 - COMPACTION TEST RESULTS FOR FILL OPERATIONS AT 1 TEST / 2,500m2 AREA FOR EACH 200mm LAYER.
- LEVEL 1 INSPECTION AND TESTING IS TO BE UNDERTAKEN IN ACCORDANCE WITH CLAUSE 8.2 WITHIN AS3798 "GUIDELINES ON EARTHWORKS FOR COMMERCIAL AND RESIDENTIAL DEVELOPMENTS".
- TRANSPORTATION OF FILL OR SPOIL TO AND FROM THE SITE MUST NOT OCCUR WITHIN:
 - PEAK TRAFFIC TIMES: OR
 - BEFORE 7am OR AFTER 6pm MONDAY TO FRIDAY; OR
 - BEFORE 7am OR AFTER 1pm SATURDAYS; OR
 - ON SUNDAYS OR PUBLIC HOLIDAYS.

ROAD WORK

- KERB PROFILES SHALL BE IN ACCORDANCE WITH FNQROC STD DRG S1000.
- ALL KERB SET-OUT DETAILS ARE TO THE LIP OF KERB AND CHANNEL.
- SUPPLY OF ALL TRAFFIC SIGNS AND PAVEMENT MARKINGS SHALL BE IN ACCORDANCE WITH THE DEPARTMENT OF TRANSPORT & MAIN ROADS "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" (MUTCD)
- ALL REGULATORY, WARNING AND HAZARD SIGNS SHALL BE SIZE "A" UNLESS NOTED OTHERWISE.
- STREET SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH FNQROC STD DRG S1040.

CONCRETE DRIVEWAY

- DRIVEWAY CONSTRUCTION METHODOLOGY SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE FNQROC REGIONAL DEVELOPMENT MANUAL STANDARD SPECIFICATIONS.
- THE CONTRACTOR IS REMINDED OF THE REQUIREMENT FOR HOLD POINT AND WITNESS POINT INSPECTIONS AS REQUIRED BY THE RELEVANT SPECIFICATION. THE ENGINEER SHALL BE CONTACTED FOR PROOF ROLL AND PRE-POUR INSPECTIONS WITH 48 HOURS NOTICE.
- THE CONTRACTOR IS REMINDED OF THE REQUIREMENT FOR MATERIAL AND COMPACTION TESTING REQUIREMENTS AS REQUIRED BY THE STANDARD SPECIFICATION.

STORMWATER DRAINAGE

- PRIOR TO COMMENCEMENT OF PIPE WORK, THE CONTRACTOR SHALL CONFIRM THE INVERT LEVEL OF DOWNSTREAM DRAINAGE TO ENSURE THAT THE STORMWATER SYSTEM CAN ADEQUATELY OUTLET / DRAIN. CONTACT THE ENGINEER IF THERE ARE ANY DISCREPANCIES.
- FOR STANDARD STORMWATER DRAINAGE DETAILS, REFER FNQROC STANDARD DRAWINGS S1045 - S1100, INCLUSIVE.
- SUBSOIL DRAINAGE SHALL BE CONSTRUCTED IN ACCORDANCE WITH FNQROC STANDARD SPECIFICATION S2.21 AND THE PROJECT DRAWING DETAIL WHERE INFORMATION IS NOT PROVIDED ON THE PROJECT DRAWING DETAIL. REFERENCE SHALL BE MADE TO FNQROC STANDARD DRAWING S1095.
- SUBSURFACE DRAIN FLUSHING POINTS AND OUTLETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH FNQROC STANDARD DRAWING S1095.
- STORMWATER DRAINAGE PIPES TYPES HAVE BEEN NOMINATED ON THE STORMWATER DRAINAGE LONGITUDINAL SECTIONS. HOWEVER THE PIPE MATERIAL TYPE CAN BE INTERCHANGED WITH EITHER CLASS 2 FLUSH JOINTED REINFORCED CONCRETE PIPES, BLACK MAX OR STORMPRO PIPES.
- CCTV INSPECTIONS SHALL BE UNDERTAKEN ON ALL NEW STORMWATER PIPES WITH REPORTING PROVIDED IN ACCORDANCE WITH FNQROC REQUIREMENTS.

SEWER

- ALL SEWER PIPES SHALL BE 150mm DIAMETER uPVC CLASS SN8 UNLESS NOTED OTHERWISE.
- ALL WORKS SHALL BE IN ACCORDANCE WITH FNQROC STANDARD SPECIFICATION S6, UNLESS NOTED OTHERWISE.
- FOR DETAILS OF SEWER MANHOLES REFER FNQROC STANDARD DRAWING S3000.
- FOR DETAILS OF PROPERTY CONNECTION BRANCHES REFER FNQROC STANDARD DRAWING S3005
- FOR DETAILS OF SEWER MAIN TRENCH BEDDING REFER FNQROC STANDARD DRAWING S3015.
- CONNECTION OF NEW SEWER MAIN TO EXISTING MANHOLES SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF FNQROC / COUNCIL. CONNECTION TO MANHOLES TO BE MADE WITH SAND-SOCKETED PIPES (TO BE CONFIRMED WITH COUNCIL PRIOR TO CONNECTION).
- ALL PROPERTY CONNECTION BRANCHES SHALL BE BROUGHT TO WITHIN A MAXIMUM OF 300mm OF THE FINISHED SURFACE LEVEL AND A GLUED CAP INSTALLED. THE RISER MUST BE CONNECTED TO A MARKER PEG WITH PLASTIC COATED WIRE. THE MARKER PEG SHALL BE OF HARDWOOD MATERIAL, PROTRUDING 20mm ABOVE THE FINISHED GROUND LEVEL AND INSTALLED IMMEDIATELY ADJACENT TO THE RISER.
- ANY VERTICAL DROPS SHALL BE CONSTRUCTED USING FIBRE GLASS HEAVY DUTY DEEP SEWER DROPS.
- CCTV INSPECTION AND REPORT IS TO BE PREPARED FOR ALL NEW SEWER MAINS IN ACCORDANCE WITH FNQROC / COUNCIL REQUIREMENTS.

WATER

- ALL WATER WORKS TO BE IN ACCORDANCE WITH FNQROC STANDARD SPECIFICATION S5, UNLESS NOTED OTHERWISE.
- FOR DETAILS OF WATER MAIN TRENCH BEDDING REFER FNQROC STANDARD DRAWING S2016. BEDDING TO BE TYPE 1 UNLESS NOTED OTHERWISE.
- PROVIDE THRUST BLOCKS IN ACCORDANCE WITH FNQROC REQUIREMENTS.
- PROVIDE A COMPRESSIBLE LAYER BETWEEN ALL EXISTING / PROPOSED HYDRANT OR VALVE SURROUNDS WITHIN AREAS OF CONCRETE.
- CONNECTION OF NEW WATER MAIN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF CAIRNS REGIONAL COUNCIL. CONTRACTOR TO LIAISE WITH COUNCIL & ORGANISE FOR CONNECTION.

EROSION SEDIMENT CONTROL STRATEGY

- THE CONTRACTOR SHALL BE RESPONSIBLE TO PROTECT AND PRESERVE THE NATURAL ENVIRONMENT AND SHALL AVOID ENVIRONMENTAL POLLUTION IN ACCORDANCE WITH THE ENVIRONMENTAL PROTECTION ACT.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE INCORPORATION OF APPROPRIATE CONTROL AND MANAGEMENT MEASURES CONFORMING TO THE REQUIREMENTS OF THE ACT AND THE RELEVANT AUTHORITIES.
- THE CONTRACTOR SHALL INSTALL ALL DEVICES/MEASURES NECESSARY TO COMPLY WITH THE PROVISIONS OF THE FNQROC DEVELOPMENT MANUAL, THE ENVIRONMENTAL PROTECTION ACT AND COUNCIL REQUIREMENTS.
- ANY SOIL STOCKPILES SHALL BE PROTECTED AGAINST WIND EROSION BY COVERING AND AGAINST STORMWATER RUNOFF BY SILT FENCES AT THE DOWNHILL SLOPES. STOCKPILE LOCATIONS SHALL BE DETERMINED BY THE CONTRACTOR AND EROSION CONTROL MEASURES IMPLEMENTED & MAINTAINED FOR THE LIFE OF THE STOCKPILE.
- SEQUENCING OF CONTROL MEASURES:
 - INSTALL STABLE POINT OF ENTRY
 - INSTALL SILT FENCES / BUNDS
 - PROTECT SOIL STOCKPILES
 - CONSTRUCT TEMPORARY SEDIMENT BASINS
 - INSTALL STORMWATER PIPES
 - IMPLEMENT PROTECTION MEASURES TO STORMWATER PITS
 - REVEGETATE BARE AREAS UPON COMPLETION OF EARTHWORK CLEANED / MAINTAINED AS REQUIRED.
- CONTROL MEASURES SHALL BE INSPECTED AFTER EACH RAIN EVENT AND RETURNS IN SILT FENCE SHALL BE AT 20m INTERVALS WHEN INSTALLED ALONG THE CONTOUR. SPACING TO DECREASE TO 5 - 10m INTERVAL DEPENDENT ON SLOPE IF INSTALLED AT AN ANGLE TO THE CONTOUR. THE CONTRACTOR SHALL SELECT A COMPLIANT SPACING AND MONITOR / CHANGE AS NECESSARY.
- SILT FENCE RETURNS SHALL CONSIST OF EITHER A V-SHAPED SECTION EXTENDING A MINIMUM OF 1.5m UP THE SLOPE OR A SANDBAG / ROCK/AGGREGATE CHECK DAM HALF THE HEIGHT OF SILT FENCE A MINIMUM OF 1.5m UP THE SLOPE.
- STORMWATER PITS SHALL HAVE PIT PROTECTION MEASURES AS DETAILED IN FNQROC.
- THE FOLLOWING REVEGETATION MEASURES SHALL BE UNDERTAKEN IMMEDIATELY UPON COMPLETION OF EARTHWORK:
 - CUT / FILL BATTERS STEEPER THAN 1 in 4 TO BE HYDROMULCHED
 - A STRIP OF TURF TO BE LAID BEHIND ALL KERB LINES
- ALL REVEGETATION / GRASS TO BE WATER AS REQUIRED TO MAINTAIN UNTIL GROWTH IS ESTABLISHED.
- A SUITABLE DUST MANAGEMENT STRATEGY SHALL BE MAINTAINED TO MINIMISE DUST NUISANCE ON ADJACENT PROPERTIES. DETAILS OF THE DUST MANAGEMENT STRATEGY SHALL BE INCORPORATED INTO THE CONTRACTOR'S EROSION AND SEDIMENT CONTROL STRATEGY.

REVISIONS			
A	14.07.23	INITIAL ISSUE	
NO.	DATE	DESCRIPTION	DESIGN APPROVED

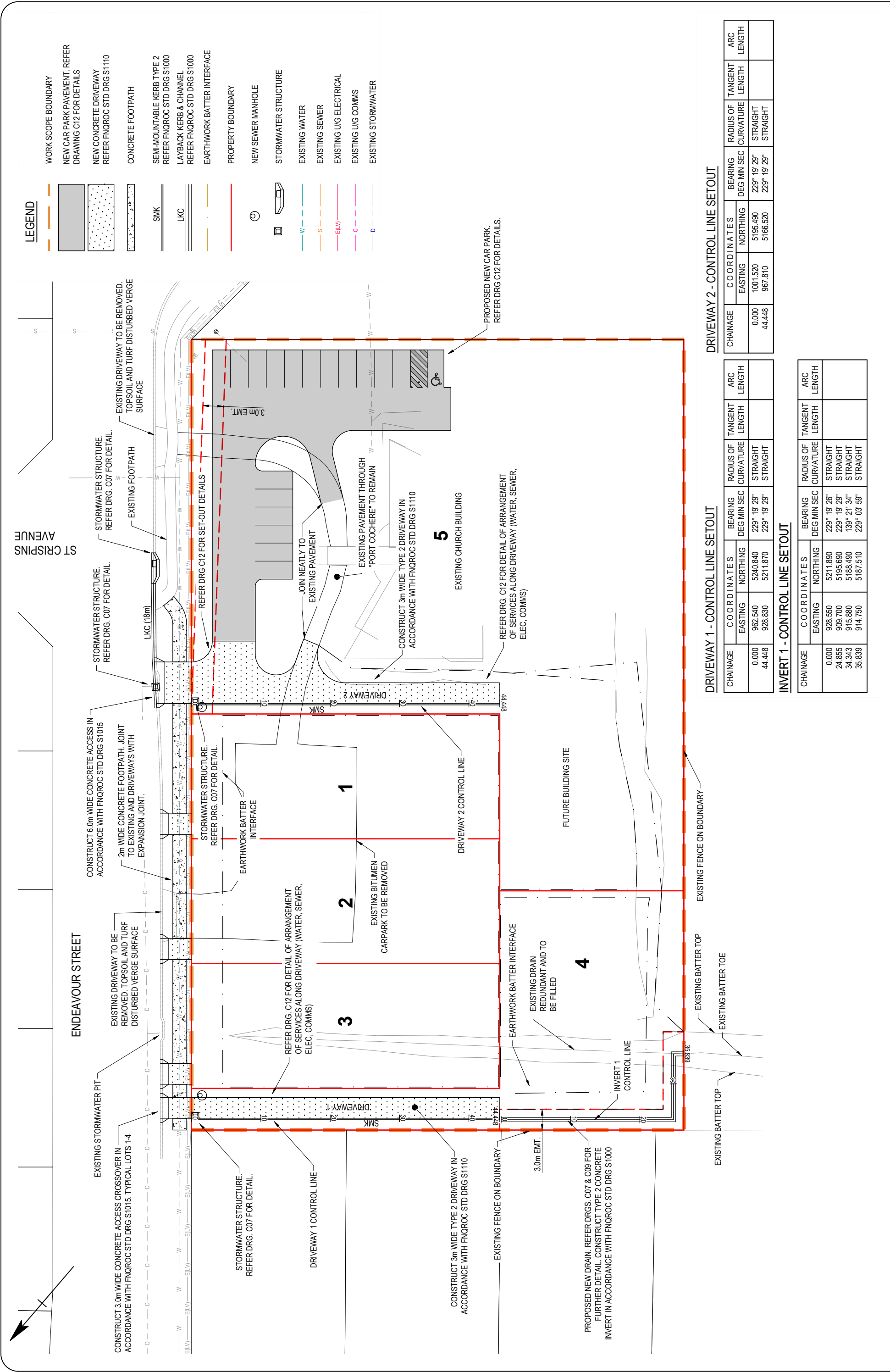
CLIENT

J & V NOLI

SCALE

ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE

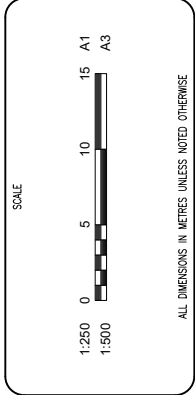
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DESIGNED APPROVED		CMD	DJW	IMPORTANT NOTES	
ORIGINAL CERTIFIED BY D.J.WALKER				DRAWING NO.	REVISION
				230-004-C02	A



REVISIONS			
NO.	DATE	DESCRIPTION	DESIGN APPROVED
A	14.07.23	INITIAL ISSUE	

CLIENT

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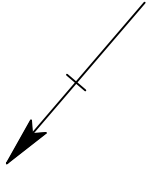


CivilWalker CONSULTING ENGINEERS

ORIGINAL CERTIFIED BY D.J.WALKER

DATE: 14.07.23 REF: 19806

DRAWN	CMD	CHECKED	DJW	ENDEAVOUR STREET SUBDIVISION	
DESIGNED	CMD	APPROVED	DJW	GENERAL ARRANGEMENT	
DRAWING NO.				230-004-C03	REVISION A



LEGEND

- WORKS BOUNDARY

AREA OF EARTHWORK CUT

AREA OF EARTHWORK FILL

9.8

DESIGN CONTOUR (200mm INTERVALS)

9.8

EXISTING CONTOUR (200mm INTERVALS)

EARTHWORK BATTER INTERFACE

PROPERTY BOUNDARY

9.99

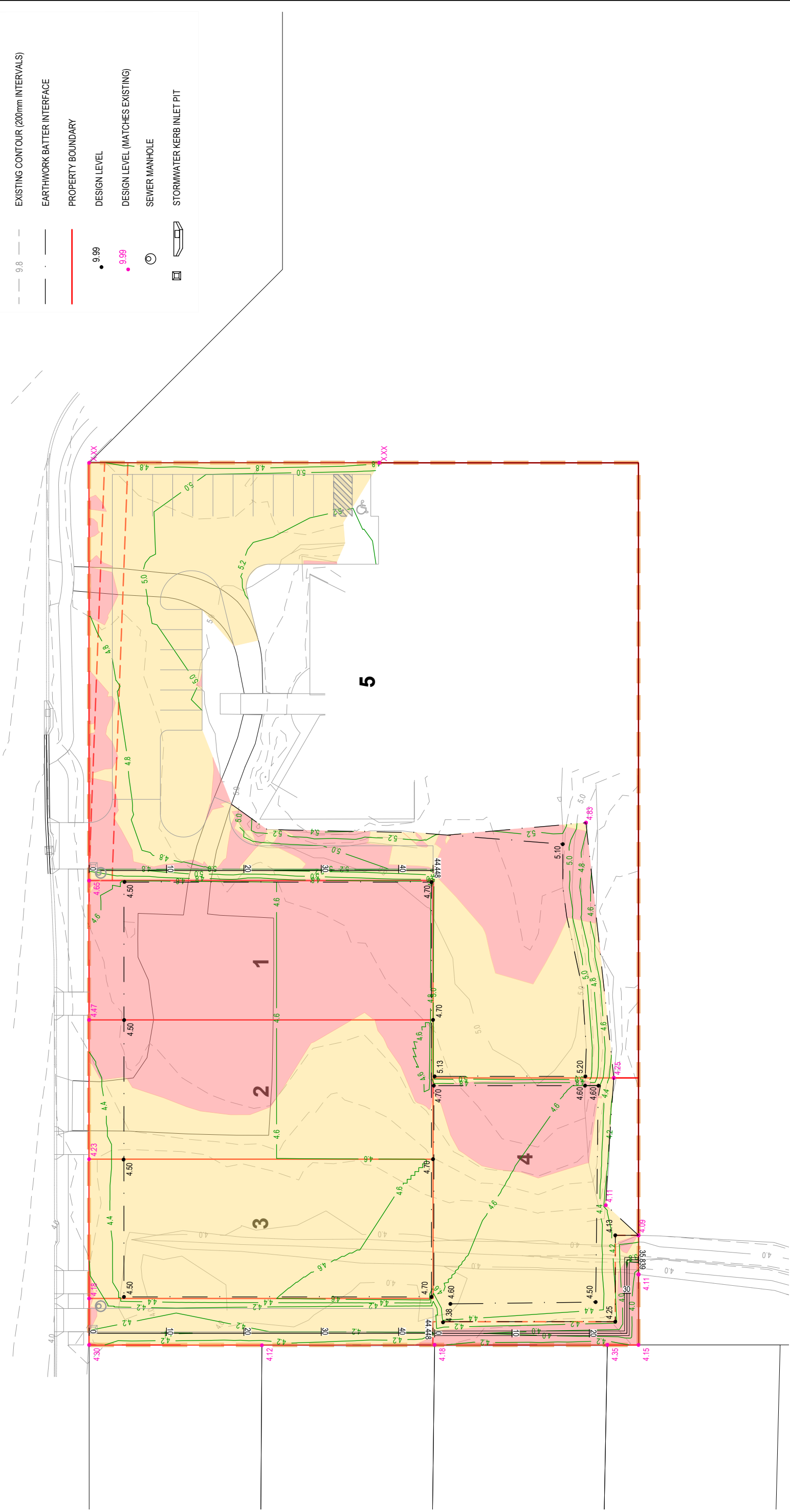
DESIGN LEVEL

9.99

DESIGN LEVEL (MATCHES EXISTING)

SEWER MANHOLE

STORMWATER KERB INLET PIT



REVISIONS		DESIGN		APPROVED	
NO.	DATE	INITIAL	ISSUE	DESCRIPTION	
A	14.07.23				

CLIENT

J & V NOLI

SCALE

1:250

0

5

10

15

A1

1:500

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10

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A3

ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE

CivilWalker
CONSULTING ENGINEERS

DRAWN		CMD	CHECKED	DJW	ENDEAVOUR STREET SUBDIVISION	
DESIGNED		CMD	CHECKED	DJW	EARTHWORK & SITE LEVELS	
ORIGINAL CERTIFIED BY D.J.WALKER					DRAWING NO.	230-004-C04
					REVISION	A

REVISIONS				INITIAL	ISSUE	DESIGN	APPROVED
	NO.	DATE	DESCRIPTION				
	A	14.07.23					

J & V NOLI

SCALE

HORIZONTAL

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1:250

1:500

VERTICAL

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1:100

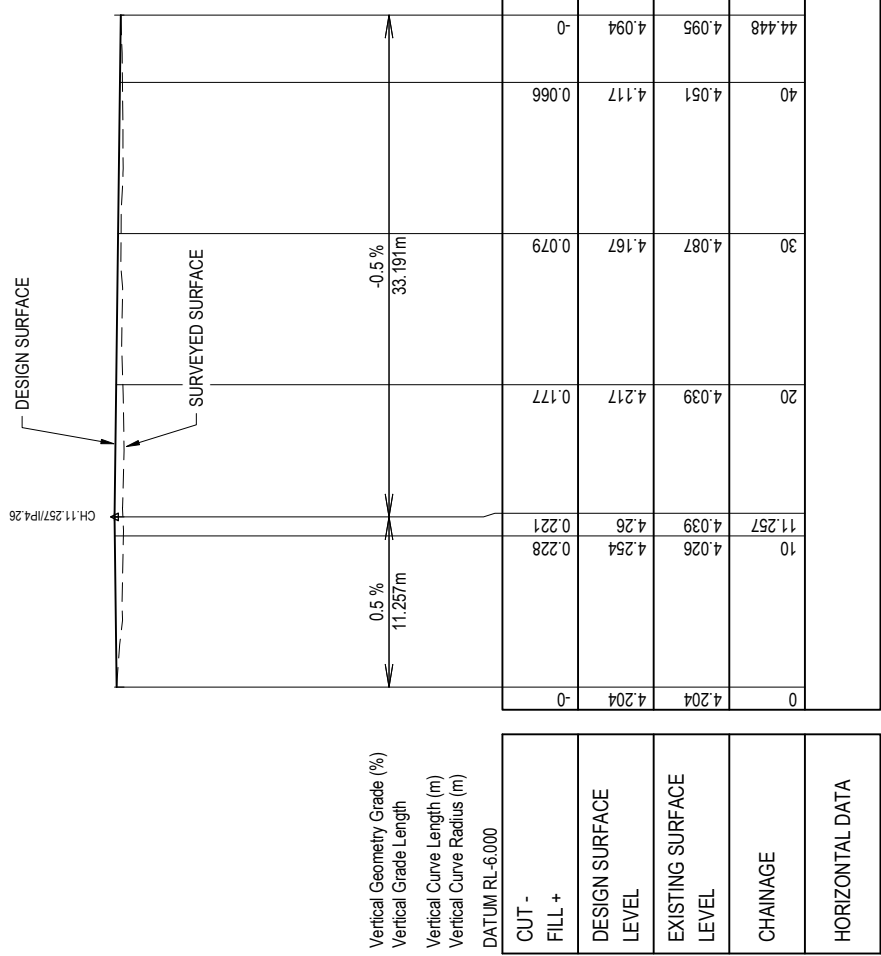
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ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE

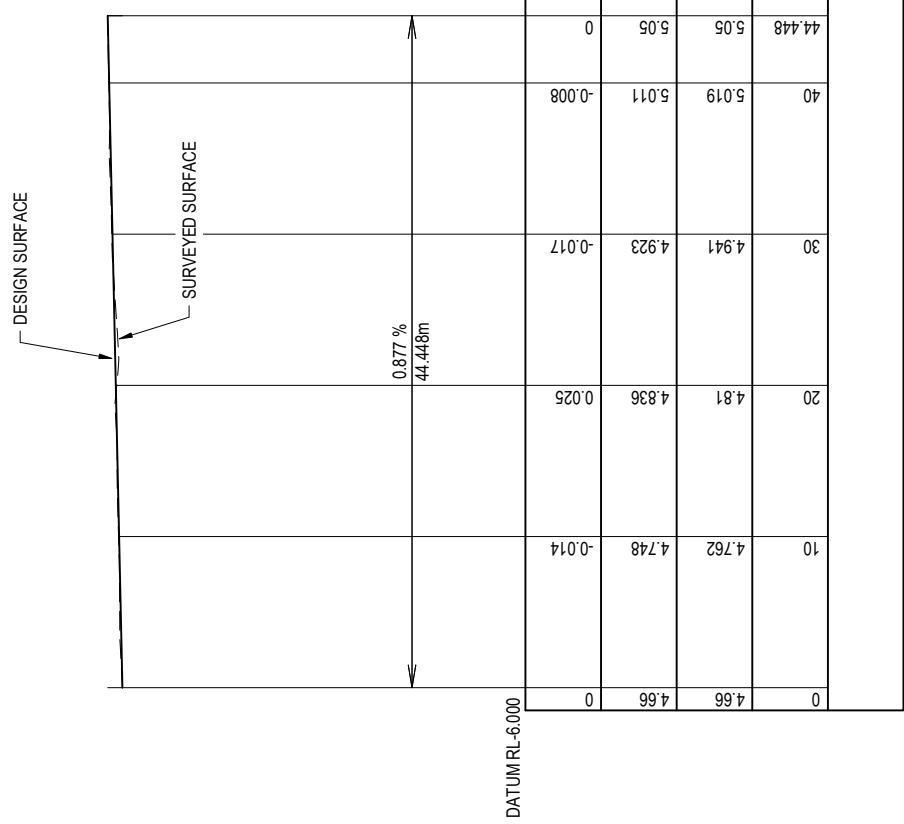


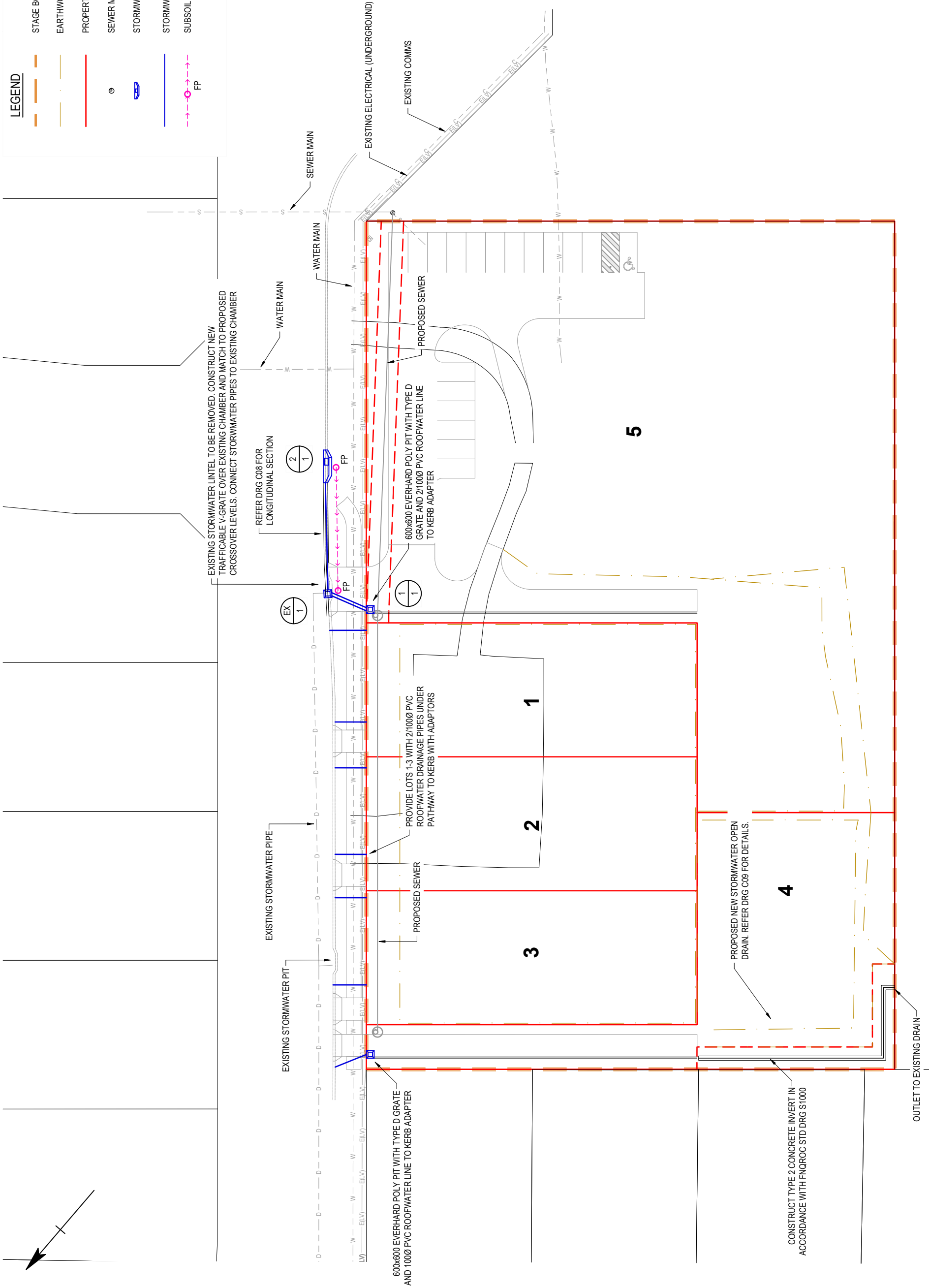
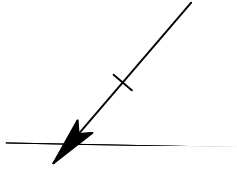
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DESIGNED APPROVED			
ORIGINAL CERTIFIED BY D.J.WALKER			
DRAWING NO.			230-004-C05
ENDEAVOUR STREET SUBDIVISION			REVISION
DRIVEWAY LONGITUDINAL SECTIONS			A
DATE: 14.07.23 RREQ: 19806			

DRIVEWAY 1 - LONGITUDINAL SECTION



DRIVEWAY 2 - LONGITUDINAL SECTION





LEGEND

- STAGE BOUNDARY
- EARTHWORK BATTER INTERFACE
- PROPERTY BOUNDARY
- SEWER MANHOLE
- STORMWATER KERB INLET PIT
- STORMWATER PIPE
- SUBSOIL DRAIN AND FLUSHING POINT

REVISIONS		DESIGN		APPROVED	
NO.	DATE	INITIAL	ISSUE	DESCRIPTION	
A	14.07.23				

CLIENT

J & V NOLI

SCALE

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1:500 A3

ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE

CivilWalker

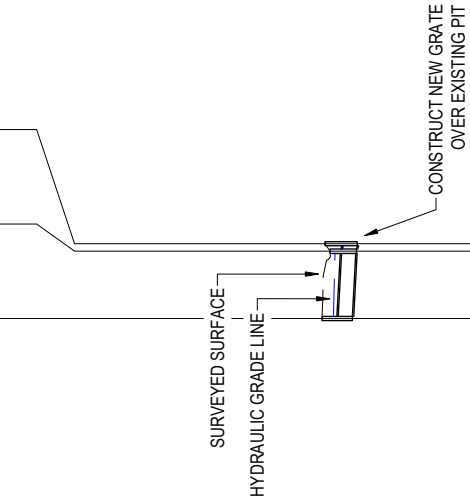
CONSULTING ENGINEERS

DRAWN	CMD	CHECKED	DJW
DESIGNED	CMD	CHECKED	DJW
APPROVED			

ORIGINAL CERTIFIED BY
D.J.WALKER

ENDEAVOUR STREET SUBDIVISION		DRAWING NO.	230-004-C07	REVISION	A
STORMWATER DRAINAGE LAYOUT					

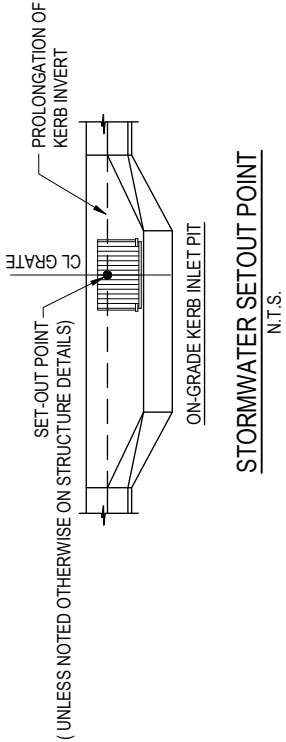
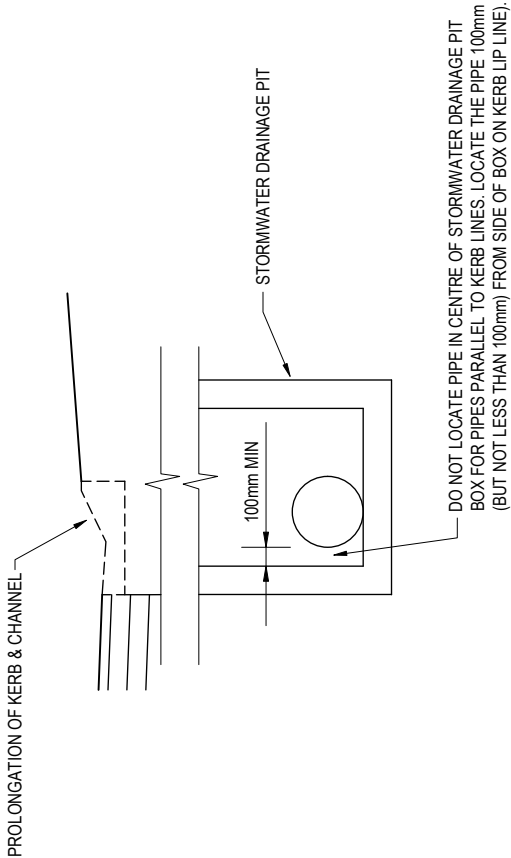
STRUCTURE NAME	2/1	1/1	EX/1
STRUCTURE DESCRIPTION	ON GRADE KERB INLET PIT TYPE S LINTEL 2.4m	900x900 TRAFFICABLE V-GRATE OVER EXISTING CHAMBER	EXISTING MANHOLE



PIPE SIZE (mm)	375	375	375
PIPE CLASS	3		RCP
PIPE GRADE (%)	0.51%	1.01%	1.01%
PIPE SLOPE (1 in X)	197.94	98.55	98.55
FULL PIPE VELOCITY (m/s)	0.62	1.15	1.15
PART FULL VELOCITY (m/s)	1.15	1.74	1.74
DATUM RL	-9.0		
H.G.L IN PIPE & W.S.E IN STRUCTURE	4.300	4.152	3.900
PIPE FLOW (Cumecs)		0.087	0.146
PIPE CAPACITY AT GRADE (Cumecs)		0.125	0.177
DEPTH TO INVERT	0.800	0.680	0.854
INVERT LEVEL OF DRAIN	3.650	3.560	3.520
DESIGN SURFACE LEVEL	4.450	4.240	4.374
SETOUT COORDINATES	E:1018.763 N:5183.648	E:1007.020 N:5197.044	E:1008.556 N:5198.279
RUNNING CHAINAGE	0.000	17.814	1.971

LINE 1

STORMWATER PIPE POSITION RELATIVE TO PIT WALL
N.T.S.



REVISIONS			
NO.	DATE	INITIAL	ISSUE DESCRIPTION
A	14.07.23		

CLIENT

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SCALE

1:1000 0 10 20 30 40 50 60 A1

1:2000 0 1 2 3 4 5 6 A3

1:100 0 1 2 3 4 5 6 A1

1:200 0 1 2 3 4 5 6 A3

HORIZONTAL

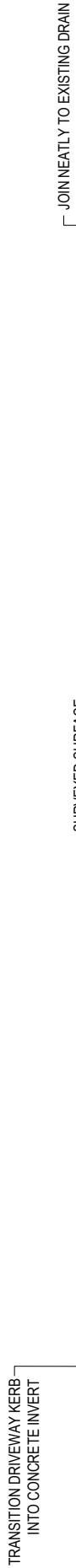
VERTICAL

ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE

CivilWalker
CONSULTING ENGINEERS

DRAWN	CMD	CHECKED	DJW	ENDEAVOUR STREET SUBDIVISION	
DESIGNED	CMD	APPROVED	DJW	STORMWATER DRAINAGE	
ORIGINAL CERTIFIED BY D.J.WALKER				LONGITUDINAL SECTION	
DRAWING NO.				230-004-C08	REVISION A

	CMD	DJW	ENDEA VOIR STREET SUBDIVISION
	CMD	DJW	STORMWATER DRAINAGE
	CMD	DJW	OPEN DRAIN DETAILS
DRAWING NO.			230-004-C09
DATE: 14.07.23			REVISION A

[illegible]

INVERT DRAIN LONGITUDINAL SECTION
SCALE 1:100

LEGEND

PROPERTY BOUNDARY

EASEMENT BOUNDARY

PROPOSED WATER CONNECTION

EXISTING WATER MAIN

SEWER MANHOLE

150mm DIA SEWER GRAVITY MAIN

PROPERTY CONNECTION BRANCH ON NEW SEWER & TYPE

E2

EXISTING SEWER & PROPERTY CONNECTION BRANCH

The drawing illustrates a sewerage and water reticulation layout across five lots (1, 2, 3, 4, and 5). Key features include:

- Property Boundaries:** Red solid lines delineate the individual lots.
- Easement Boundaries:** Red dashed lines indicate easement areas.
- Water Infrastructure:**
 - EXISTING WATER MAIN:** Shown as a blue dashed line with 'W' markers.
 - EXISTING WATER SERVICE TO LOT 5:** Indicated by a blue dashed line entering Lot 5.
 - PROPOSED WATER CONNECTION:** Shown as a blue solid line with a vertical bar.
- Sewer Infrastructure:**
 - EXISTING SEWER MAIN:** Shown as a black dashed line with 'S' markers.
 - SEWER ON NON-STANDARD ALIGNMENT THROUGH LOT 5:** Indicated by a black dashed line.
 - PROPOSED SEWER CONNECTIONS:** Shown as purple lines, including a connection to an existing sewer manhole (EX 1) and a connection to Lot 5.
 - SEWER HCB TO BE 1500 AT 1:80 GRADE:** A specific note for a proposed sewer line.
 - SEWER HCB IL3.799:** Another specific note for a proposed sewer line.
- Other Features:**
 - EXISTING STORMWATER PIPE:** Shown as a black dashed line.
 - EARTHWORK BATTER INTERFACE:** Indicated on the right side of the drawing.
 - Lot Numbers:** Large numbers 1, 2, 3, 4, and 5 are placed within their respective lots.
 - Manholes:** Circles with numbers (1, 2) and 'EX' labels represent manholes.

REVISIONS			
NO.	DATE	INITIAL	ISSUE
A	14.07.23		

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SCALE

0

5

10

15

1:250

1:500

A1

A3

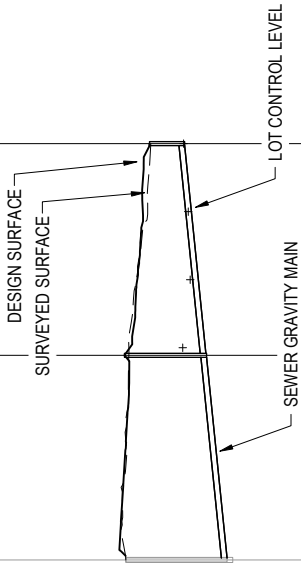
ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE

DRAWN		CMD	CHECKED	DJW	ENDEAVOUR STREET SUBDIVISION	
DESIGNED		CMD	CHECKED	DJW	SEWERAGE & WATER RETICULATION LAYOUT	
APPROVED		ORIGINAL CERTIFIED BY D.J.WALKER				DRAWING NO.
		DATE: 14.07.23				230-004-C10
		REF: 19806				REVISION
						A

EX/1

1/1

2/1

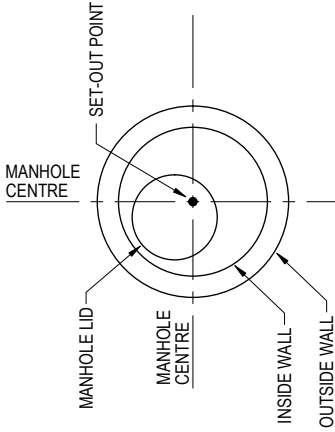


DIAMETER (CLASS)

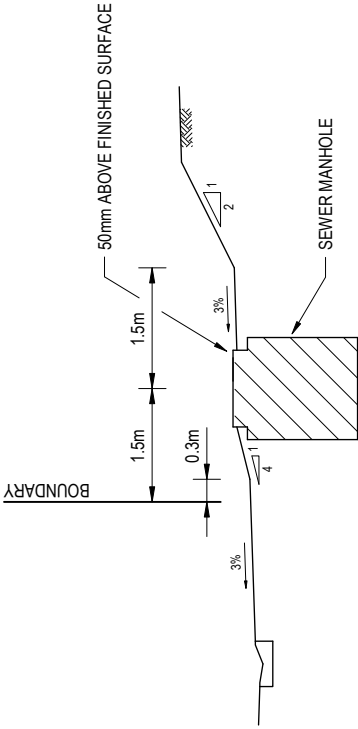
GRADE 1 in X

DATUM RL

DEPTH TO INVERT	2.810	2.730	-12.0	Ø150uPVC (SN8)	99.91	99.82	Ø150uPVC (SN8)
INVERT LEVEL	2.010	2.090	2.730	2.632	2.152	2.172	2.928
FINISHED SURFACE LEVEL				4.804	2.652	3.213	4.141
EXISTING SURFACE LEVEL	4.820			4.689		4.108	
SETOUT COORDINATES	E:1033.778	N:5152.523	E:1000.056	N:5194.892	E:963.552	N:5237.360	
CHAINAGE		0.000	54.151	54.151	56.001	110.151	



SEWER MANHOLE SETOUT POINT
N.T.S.

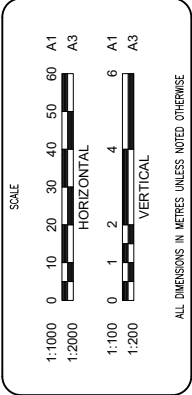


TYPICAL SEWER MANHOLE IN BATTER ARRANGEMENT
N.T.S.

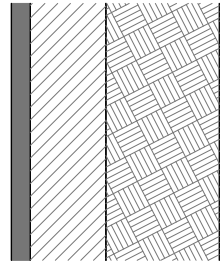
NO.	DATE	DESCRIPTION	DESIGN	APPROVED
A	14.07.23	INITIAL ISSUE		

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DRWN	CMD	CHECKED	DJW	ENDEAVOUR STREET SUBDIVISION
DESIGNED	CMD	CHECKED	DJW	SEWERAGE LONGITUDINAL SECTION
APPROVED	ORIGINAL CERTIFIED BY D.J.WALKER			DESIGN NO.
				230-004-C11
				REVISION
				A

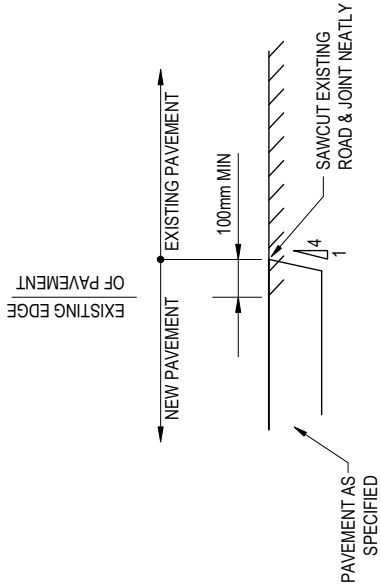


TWO COAT BITUMEN SEAL
150mm THICK TYPE 2.2 BASE COURSE (CBR60)
SUBGRADE
(4-DAY SOAKED CBR 8%)

PAVEMENT DETAILS

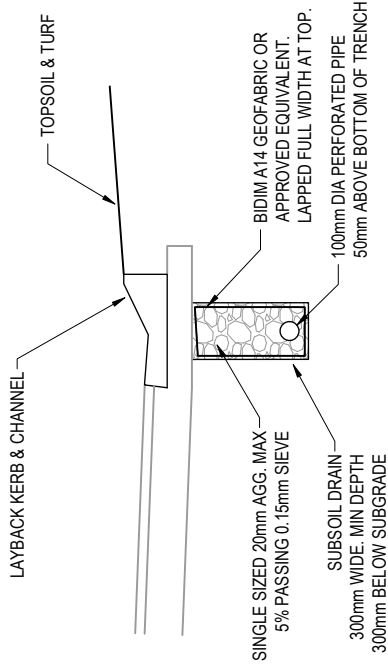
N.T.S.

PAVEMENT DESIGN IS PROVISIONAL ONLY. SUBGRADE CBR TO BE CONFIRMED WITH FIELD TESTING. 4-DAY SOAKED CBR RESULTS TO BE PROVIDED TO ENGINEER FOR CONFIRMATION OF DESIGN DETAIL.



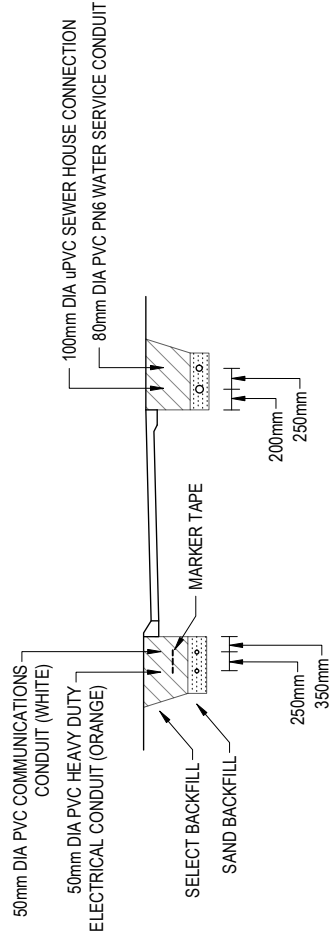
JOINT TO EXISTING PAVEMENT

N.T.S.



SUBSOIL DRAINAGE DETAIL

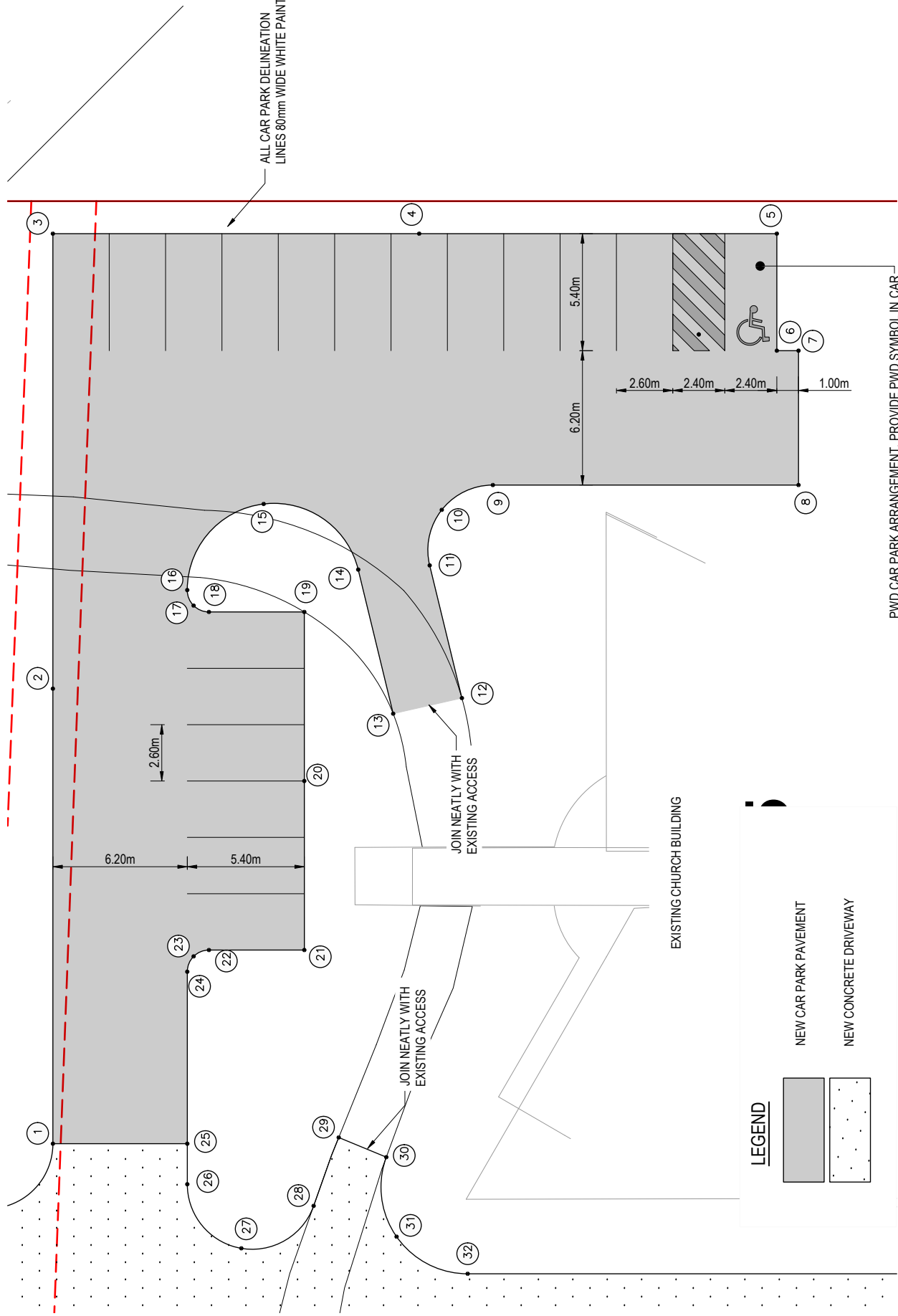
N.T.S.



BATTLE-AXE LOT DRIVEWAY SERVICE CONDUIT DETAIL

N.T.S.

SUPPLY & INSTALLATION OF ELECTRICAL / TELECOMMUNICATIONS CONDUITS SHALL BE IN ACCORDANCE WITH THE RELEVANT AUTHORITIES REQUIREMENTS.



PWD CAR PARK ARRANGEMENT: PROVIDE PWD SYMBOL IN CAR PARKING SPACE. CHEVRON IN SHARED SPACE & 150mm DIAMETER CONCRETE FILLED STEEL BOLLARD (PAINTED YELLOW) IN SHARED SPACE IN ACCORDANCE WITH AS/NZS2890.6

CARPARK SETOUT

CARPARK SETOUT			
POINT NO.	EASTING	NORTHING	LEVEL
1	1005.111	5186.710	4.97
2	1018.798	5170.789	4.82
3	1032.484	5154.868	4.94
4	1019.669	5143.851	5.03
5	1007.157	5133.095	5.11
6	1003.637	5137.190	5.14
7	1002.878	5136.538	5.15
8	998.836	5141.239	5.18
9	1009.529	5150.431	5.26
10	1010.570	5152.837	5.23
11	1009.323	5155.143	5.20
12	1004.205	5158.817	5.14
13	1006.140	5161.429	5.11
14	1011.697	5157.440	5.09
15	1016.979	5157.987	5.07

16	1017.063	5163.296	5.06
17	1016.373	5163.650	5.05
18	1015.646	5163.411	5.03
19	1012.309	5160.542	5.04
20	1007.224	5166.457	5.02
21	1002.139	5172.372	4.99
22	1005.476	5175.240	4.98
23	1005.821	5175.923	4.97
24	1005.582	5176.651	4.97
25	1000.409	5182.668	4.95
26	999.190	5184.087	4.94
27	995.372	5184.704	4.92
28	994.119	5181.045	4.93
29	995.299	5177.896	4.96
30	993.041	5177.154	4.96
31	990.290	5179.627	4.94
32	986.667	5178.786	4.92

REVISIONS			
NO.	DATE	DESCRIPTION	DESIGN / APPROVED
A	14.07.23	INITIAL ISSUE	

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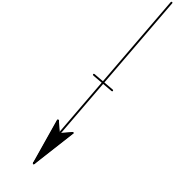
SCALE

1:100 0 1 2 3 4 5 6 A1
1:200 A3

ALL DIMENSIONS IN METRES UNLESS NOTED OTHERWISE

CivilWalker
CONSULTING ENGINEERS

DRAWN	CMD	CHECKED	DJW	ENDEAVOUR STREET SUBDIVISION	
DESIGNED	CMD	CHECKED	DJW	MISCELLANEOUS DETAILS	
ORIGINAL CERTIFIED BY D.J.WALKER				DRAWING NO.	230-004-C12
				REVISION	A



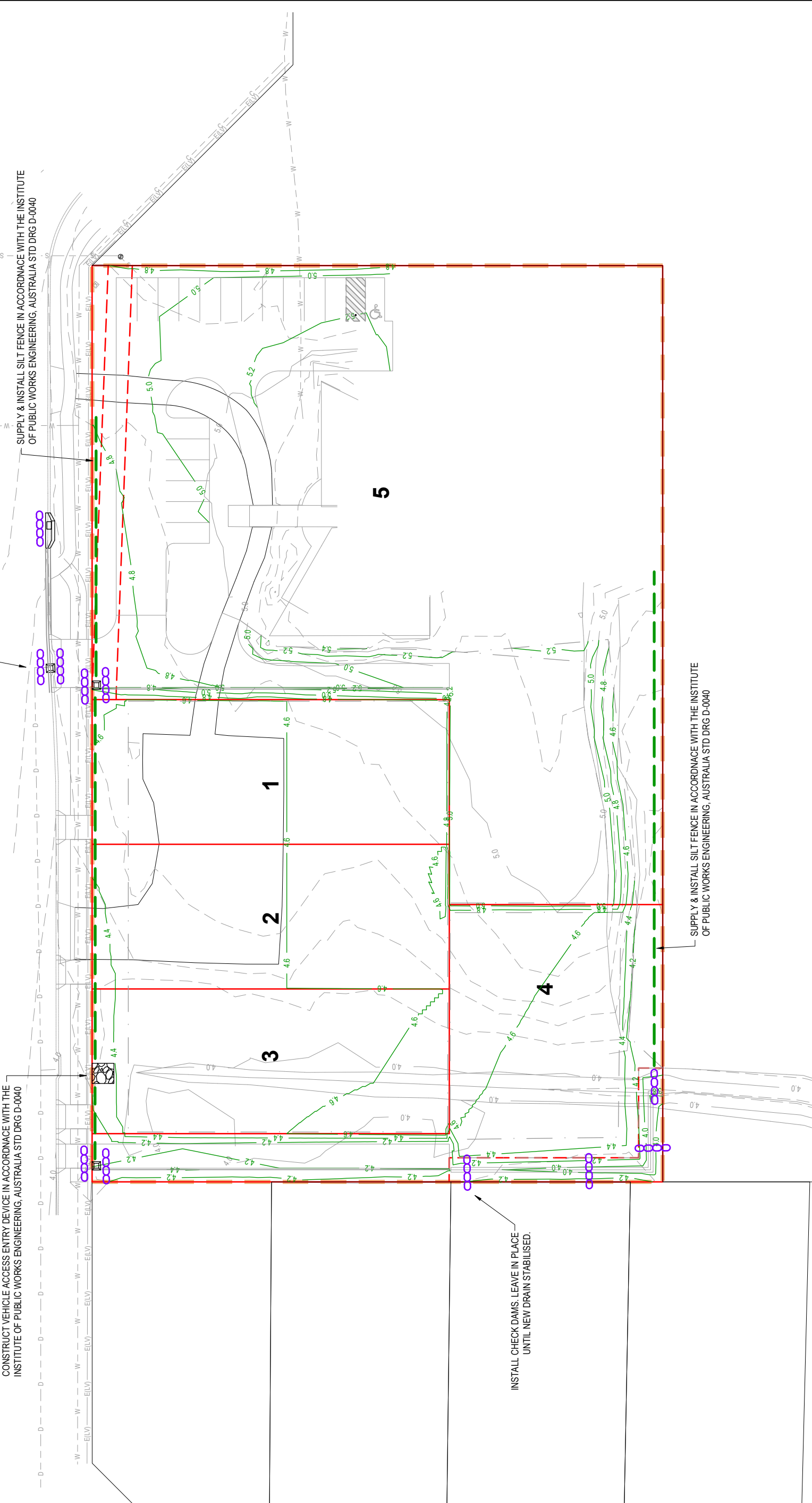
CONSTRUCT VEHICLE ACCESS ENTRY DEVICE IN ACCORDNACE WITH THE
INSTITUTE OF PUBLIC WORKS ENGINEERING, AUSTRALIA STD DRG D-0040

SUPPLY & INSTALL PIT PROTECTION DEVICES AT ALL NEW STORMWATER
PITS IN ACCORDNACE WITH THE INSTITUTE OF PUBLIC WORKS
ENGINEERING, AUSTRALIA STD DRG D-0041

SUPPLY & INSTALL SILT FENCE IN ACCORDNACE WITH THE INSTITUTE
OF PUBLIC WORKS ENGINEERING, AUSTRALIA STD DRG D-0040

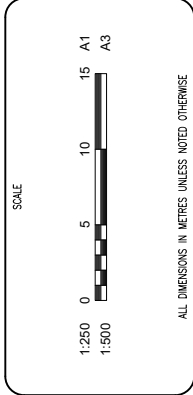
INSTALL CHECK DAMS. LEAVE IN PLACE
UNTIL NEW DRAIN STABILISED.

SUPPLY & INSTALL SILT FENCE IN ACCORDNACE WITH THE INSTITUTE
OF PUBLIC WORKS ENGINEERING, AUSTRALIA STD DRG D-0040



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DRAWN		CMD	CHECKED	DJW	ENDEAVOUR STREET SUBDIVISION	
DESIGNED		CMD	CHECKED	DJW	EROSION & SEDIMENT CONTROL STRATEGY	
APPROVED		ORIGINAL CERTIFIED BY D.J.WALKER			DRAWING NO.	230-004-C13
		DATE: 14.07.23			REVISION	A