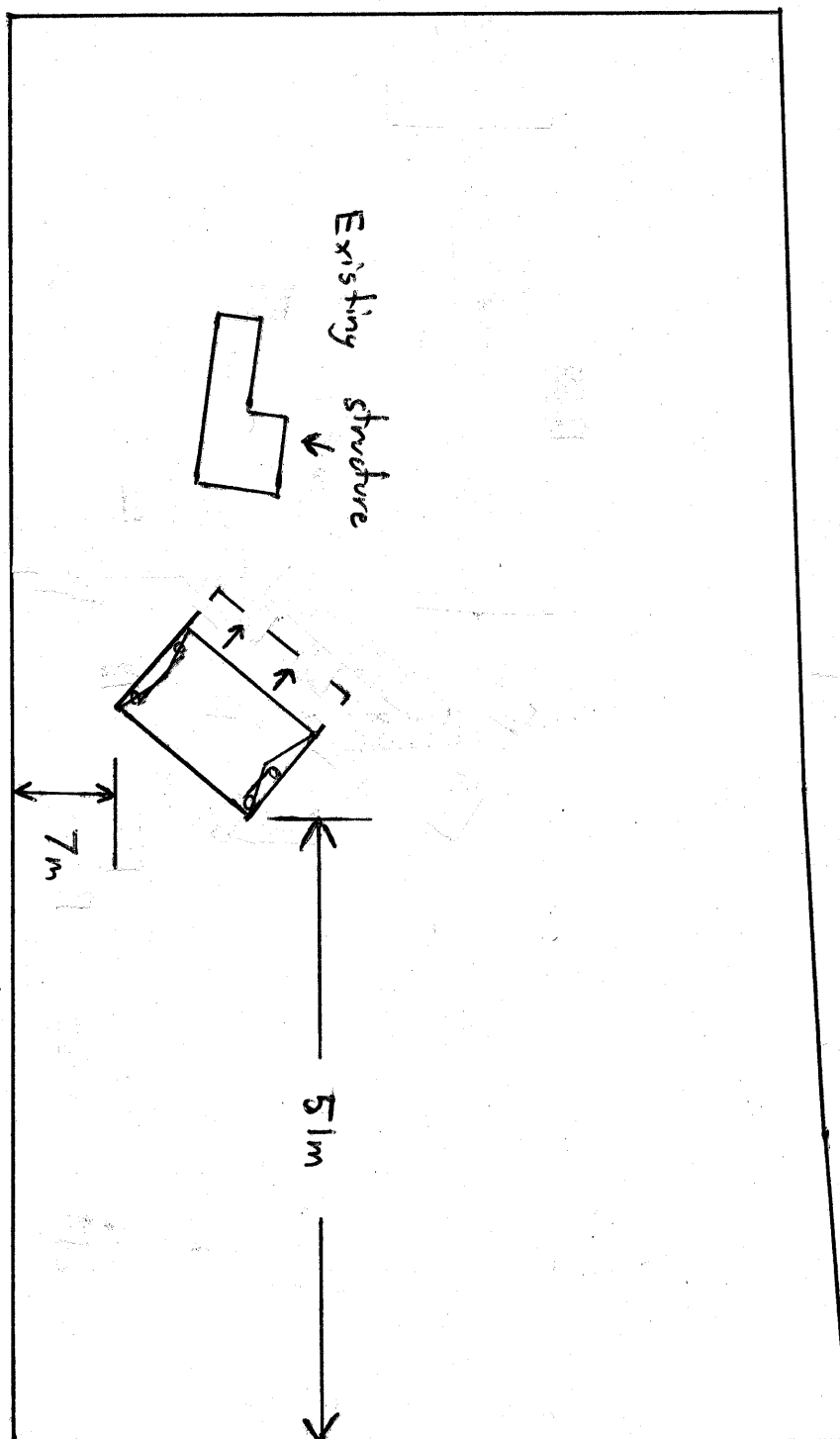


River

Lot 49 Bowlin Road
Port Curtis 4702



Not to Scale

ROCKHAMPTON REGIONAL COUNCIL

APPROVED PLANS

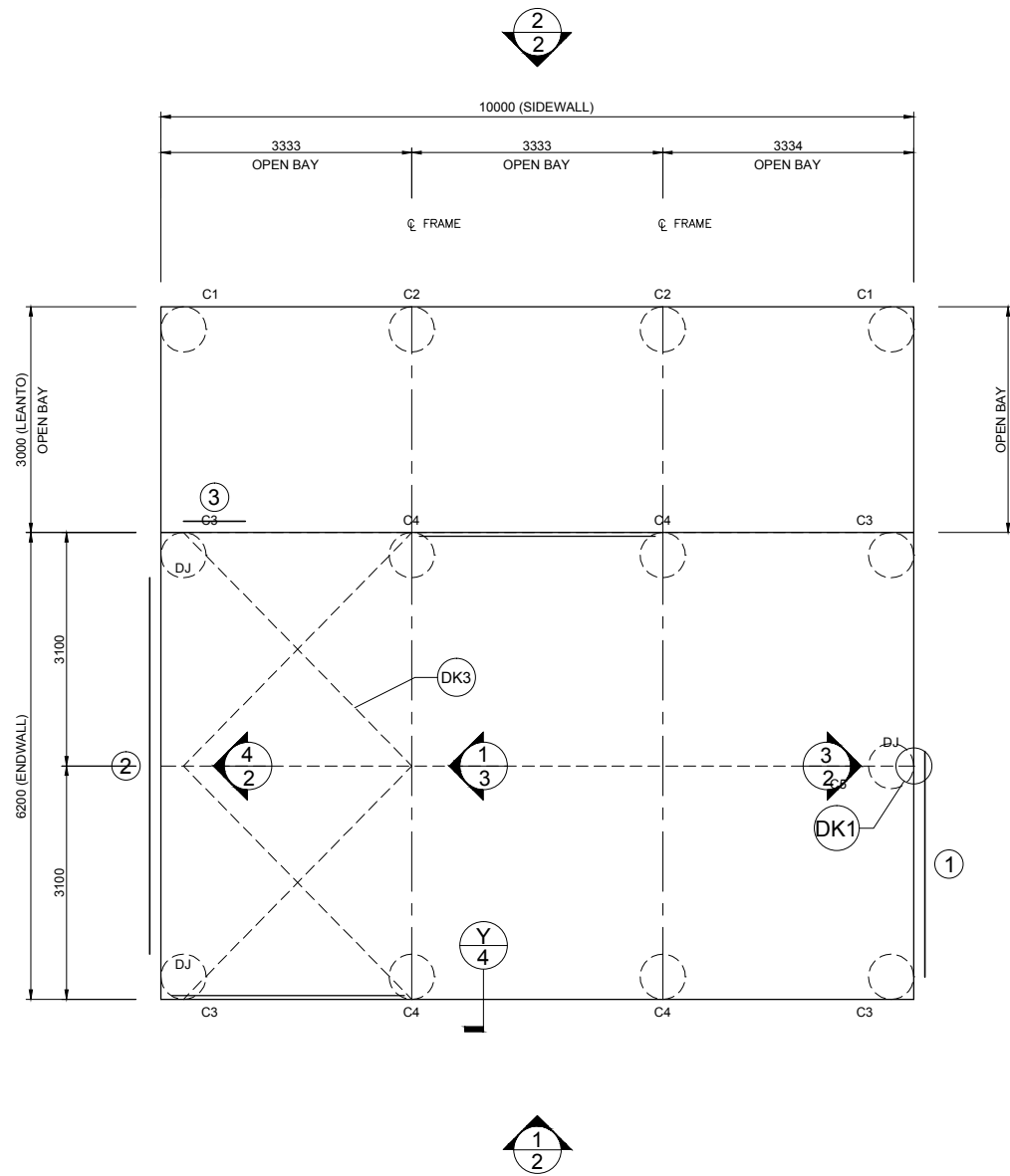
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Dated: 1 June 2023

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IF IN DOUBT, ASK.



1 FOUNDATION PLAN AND MEMBER LAYOUT
SCALE: 1 = 100

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Dated: 1 June 2023

ROOF STRAP BRACING TO BE CONNECTED TO THE PURLIN CLOSEST TO THE LINE OF THE END WALL MULLION
ROOF STRAP BRACING CAN BE PLACED FROM EITHER END OF THE BUILDING PROVIDING THE STRAP PATTERN REMAINS AS PER PLANS
DJ - INDICATES DOOR JAMBS AT THESE LOCATIONS. REFER TO SHEET #4 ON THE DOOR SCHEDULE FOR SIZES

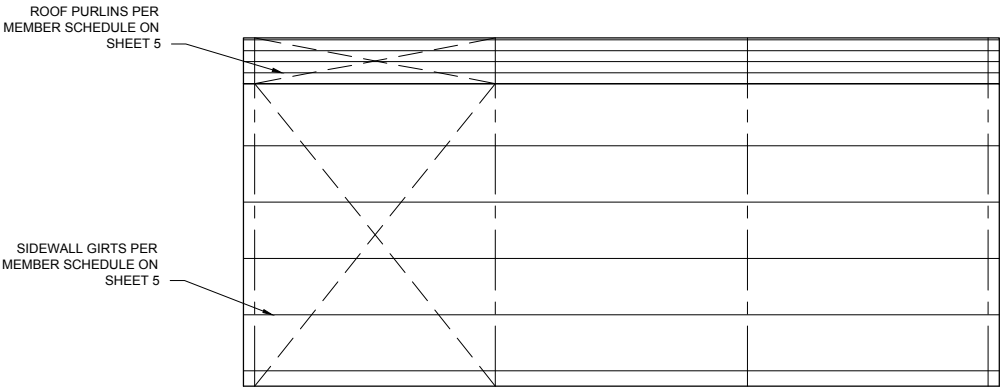
MEMBER LEGEND

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C2	2C20015
C3	C20019
C4	2C20024
C5	C25024

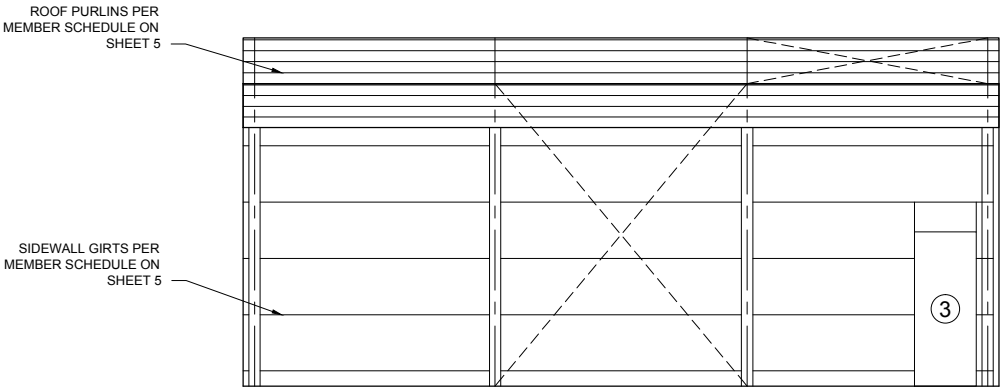
DO NOT SCALE THIS DRAWING. USE FIGURED DIMENSIONS ONLY. ALL DIMENSIONS TO BE VERIFIED ON SITE.

1 OF 6	SHEET	JOB NO. ROCK32196	DATE 23/3/2023	CHECKED TM	DRAWN FDS	STEEL BUILDING BY (CONTACT) BF SHEDS & GARAGES 07 4927 2249 JO & TONY CASSIDY LOT 49 BOWLIN ROAD PORT CURTIS	 	 Civil & Structural Engineers 50 Punari Street Currajong, Qld 4812 Fax: 07 4725 5850 Email: design@nceng.com.au ABN 341 008 173 56 Registered Chartered Professional Engineer Registered Professional Engineer (Civil & Structural) QLD Registered Certifying Engineer (Structural) N.T. Registered Engineer - (Civil) VIC Registered Engineer - (Civil) TAS	Regn. No. 2558980 Regn. No. 9985 Regn. No. 116373ES Regn. No. PE0002216 Regn. No. CC5648M	Mr Timothy Roy Messer BE MIEAust RPEQ Signature  Date 23/3/2023 Registered on the NPER in the areas of practice of Civil & Structural National Professional Engineers Register
		NCC 2019								

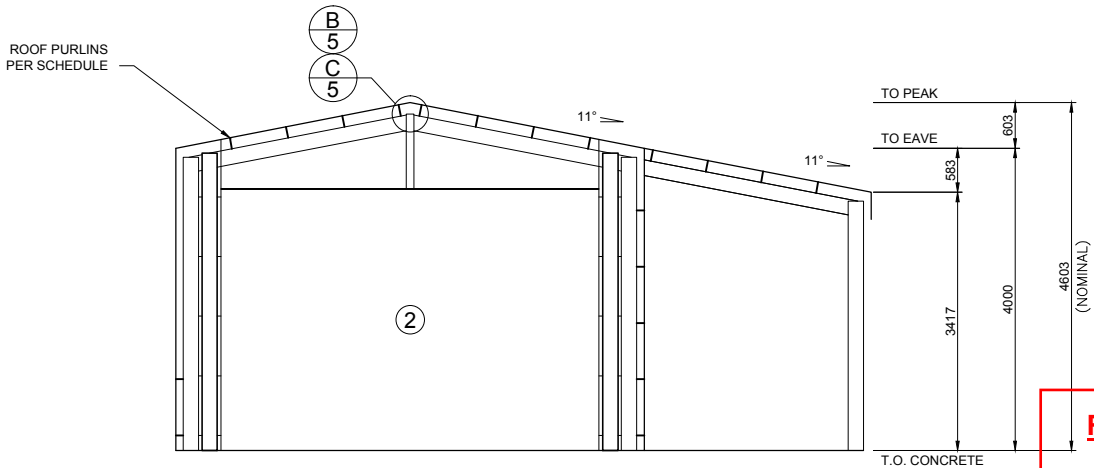
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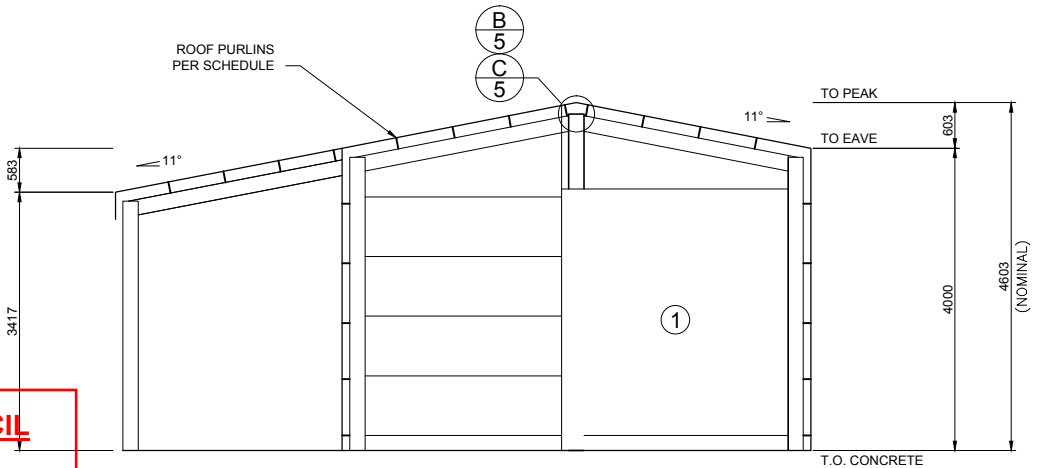
1 SIDEWALL EXTERIOR ELEVATION
2 SCALE: 1 = 100



2 SIDEWALL EXTERIOR ELEVATION
2 SCALE: 1 = 100



4 ENDWALL INTERIOR ELEVATION
2 SCALE: 1 = 100



3 ENDWALL INTERIOR ELEVATION
2 SCALE: 1 = 100

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X BRACING IS REQUIRED IN 2 SIDE BAYS, 2 ROOF BAYS.
SEE LAYOUT OR PLANS FOR PLACEMENT. FLY BRACING IS INCLUDED TO BE PLACED ON EVERY SECOND PURLIN AND GIRT ON ENDWALL MULLIONS, INTERNAL COLUMNS AND INTERNAL RAFTERS.

2 OF 6

SHEET	JOB NO.	DATE	CHECKED	DRAWN
2	ROCK32196	23/3/2023	TM	FDS
6	NCC 2019			

STEEL BUILDING BY
BF SHEDS & GARAGES
(CONTACT)
07 4927 2249
JO & TONY CASSIDY
LOT 49 BOWLIN ROAD
PORT CURTIS



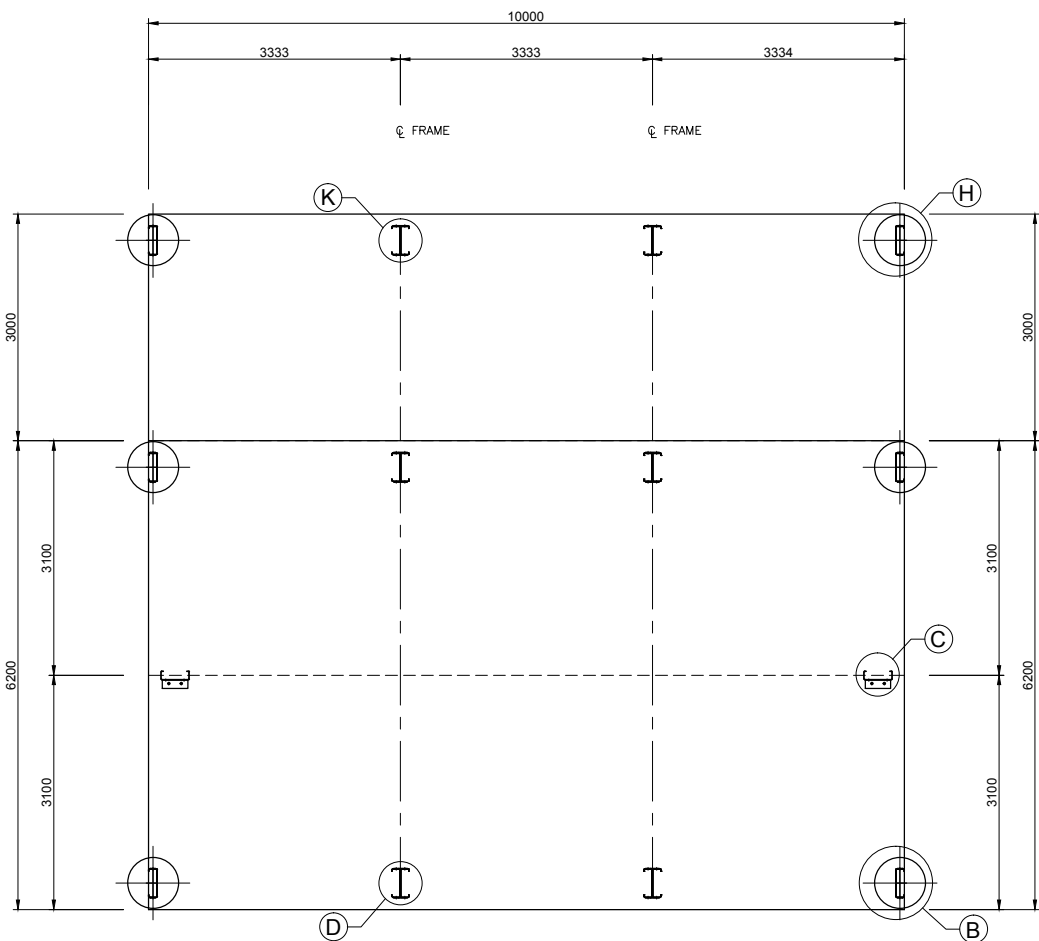
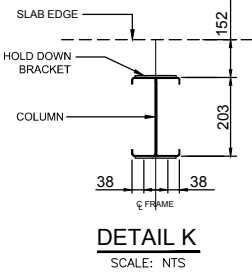
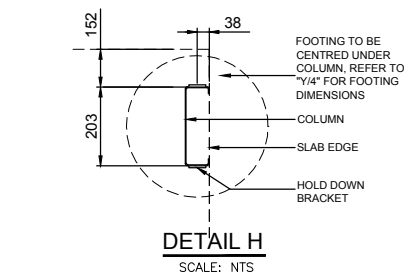
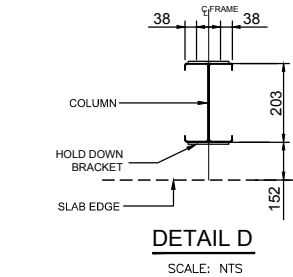
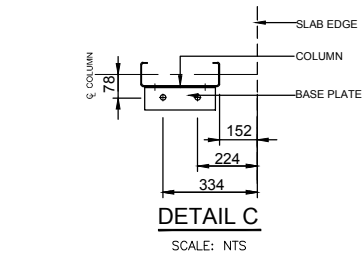
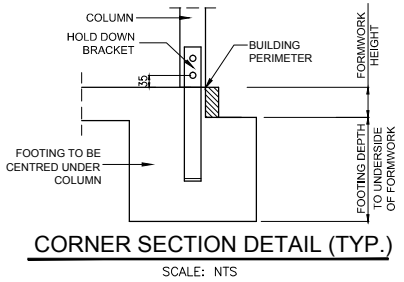
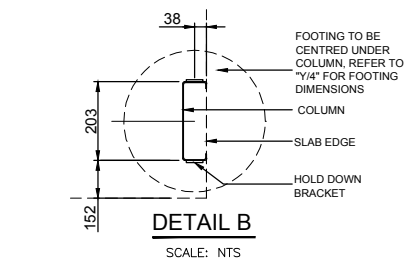
NORTHERN CONSULTING engineers
Civil & Structural Engineers
50 Punari Street
Currajong, Qld 4812
Fax: 07 4725 5850
Email: design@nceng.com.au
ABN 341 008 173 56

Registered Chartered Professional Engineer
Registered Professional Engineer (Civil & Structural) QLD
Registered Certifying Engineer (Structural) N.T.
Registered Engineer - (Civil) VIC
Registered Engineer - (Civil) TAS

Regn. No. 2558980
Regn. No. 9985
Regn. No. 116373ES
Regn. No. PE0002216
Regn. No. CC5648M

Mr Timothy Roy Messer BE MIEAust RPEQ
Signature *T. Messer*
Date 23/3/2023
Registered on the NPER in the areas of practice
of Civil & Structural National Professional
Engineers Register

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1 HOLD DOWN BRACKET LAYOUT
1 SCALE: 1 = 100

IF YOU HAVE A ROLLER DOOR IN THE GABLE END OF YOUR SHED, CONTACT YOUR DISTRIBUTOR TO SEE IF MULLION NEEDS TO BE ROTATED FOR USE AS A DOOR JAMB.

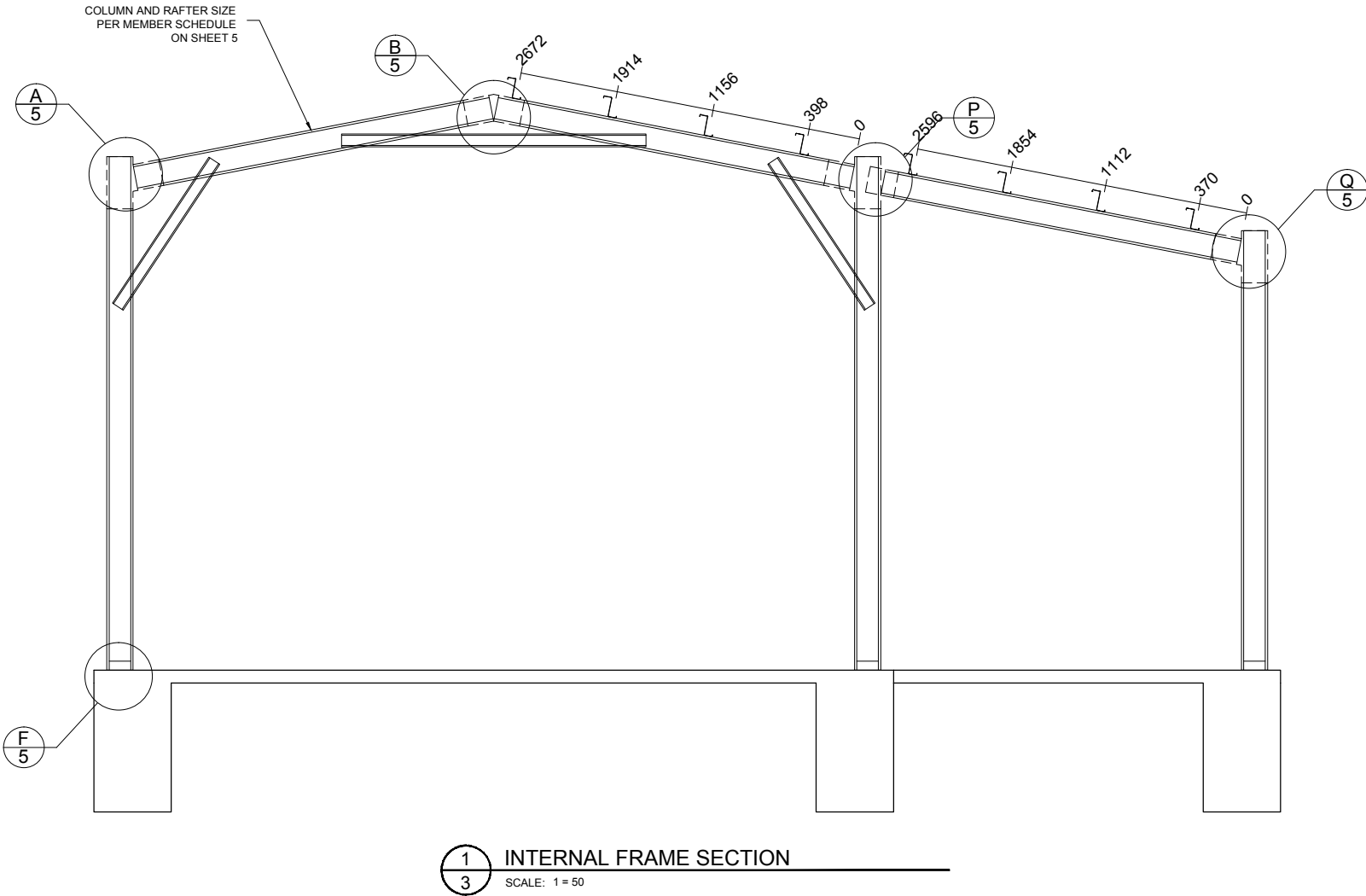
NOT PART OF COUNCIL APPLICATION DOCUMENTATION

JOB NO. ROCK32196	DATE 23/3/2023	CHECKED TM	DRAWN FDS	STEEL BUILDING BY BF SHEDS & GARAGES 07 4927 2249 JO & TONY CASSIDY LOT 49 BOWLIN ROAD PORT CURTIS
				FOR AT



BRACKET LAYOUT

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Refer to Sheet #4 for concrete specification.

3 OF 6	SHEET	JOB NO. ROCK32196	DATE 23/3/2023	CHECKED TM	DRAWN FDS	STEEL BUILDING BY BF SHEDS & GARAGES (CONTACT) 07 4927 2249 JO & TONY CASSIDY LOT 49 BOWLIN ROAD PORT CURTIS			 Civil & Structural Engineers 50 Punari Street Currajong, Qld 4812 Fax: 07 4725 5850 Email: design@nceng.com.au ABN 341 008 173 56 Registered Chartered Professional Engineer Registered Professional Engineer (Civil & Structural) QLD Registered Certifying Engineer (Structural) N.T. Registered Engineer - (Civil) VIC Registered Engineer - (Civil) TAS	Regn. No. 2558980 Regn. No. 9985 Regn. No. 116373ES Regn. No. PE0002216 Regn. No. CC5648M	Mr Timothy Roy Messer BE MIEAust RPEQ Signature Date 23/3/2023 Registered on the NPER in the areas of practice of Civil & Structural National Professional Engineers Register
		NCC 2019			FOR AT						

Lot 49, 313A Bowlin Road, Port Curtis

Flood Hazard Assessment

Project Name:	Lot 49, 313A Bowlin Road Flood Hazard Assessment
Patcol Reference Number:	22-830
Project Address:	Lot 49, 313A Bowlin Road, Port Curtis (Lot 49 RP601383)
Client:	Jo Smith and Tony Cassidy

Issue Date	Version	Description	Approved
13.03.23	0	Original Issue	Scott Thomas

ROCKHAMPTON REGIONAL COUNCIL**APPROVED PLANS**

These plans are approved subject to the current conditions of approval associated with

Development Permit No.: D/47-2023

Dated: 1 June 2023

1.0 SITE ASSESSMENT

The scope of this document is to address the relevant provisions of the Rockhampton Region Planning Scheme 2015 with regards to the Fitzroy River Flood Overlay for Lot 49, 313A Bowlin Road, Port Curtis.

Lot 49, 313A Bowlin Road, as shown below, currently has Class 1a residential structure and seeks approval for a new Class 10a structure (3 bay shed)

The subject site is located in the flood hazard zone as defined by the Rockhampton Region Planning Scheme 2015 hazard overlays. As can be seen in Figure 2, the flood overlay map shows the site being within the H2, H3, H4 and the H5 (medium, high and extreme) zones.

This report also aims to provide the necessary governance for effects of stormwater and suggests that these are not as significant as flood waters thus any mitigatory recommendations applicable for floodwater management will also apply to the stormwater management.



Figure 1 - Site Location

1. FLOOD HAZARD ASSESSMENT

Based on the data obtained from the council, it has been determined that the property is susceptible to flooding, which has prompted a thorough evaluation of all planning and development activities. Special attention has been given to the potential risks to both individuals and property, as well as the natural floodplain characteristics and the potential impact of a river flood event. The report takes into account flood-free and low-flood hazard access outcomes, ensuring that all measures are in place to minimise the impact of any potential flooding. In particular, the provisions outlined in the report address the AEP 1% data, providing a comprehensive framework to manage and mitigate the risks associated with flooding in the area.

The purpose of the structure is to store cars and other items that are not suitable for indoor storage. The nature of the structures is such that it is generally open in nature, being that they would not obstruct the flow of flood waters, meaning that in a flood event water will be free to flow in and around the structure without causing nuisance turbulence or redirecting flows outside of the site.

It is seen that in a flood event, the site could be effectively managed with regards to achieving the acceptable outcomes set out in Appendix A by simply ensuring all doors are opened to allow water to flow unimpeded through the shed which would in turn mean existing flood risks are not made worse by alteration to the flow characteristics of the site. Further, insignificant increase in impervious area is seen to have resulted from the structures, hence the post-development case for the site will show very minimal impact on the peak discharge and stormwater quality.

Summarising, the structure covered under this report would not create any actionable nuisance to the surrounding properties.

2. EXISTING SITE CONDITIONS

The proposed site is situated within the Fitzroy River Flood Overlay Zone H4.



Figure 2 - Proposed General Arrangement

Figure 3 is an extract from the report “Flood Study Report Fitzroy River Flood Study, Rockhampton Regional Council” which was completed by Aurecon in 2011. This report shows that the peak depth in a 100 Year ARI is 0.0m to 0.5m. From the same report it was shown that the velocity of the water flowing through the site during a 100 Year ARI event will almost be negligible.

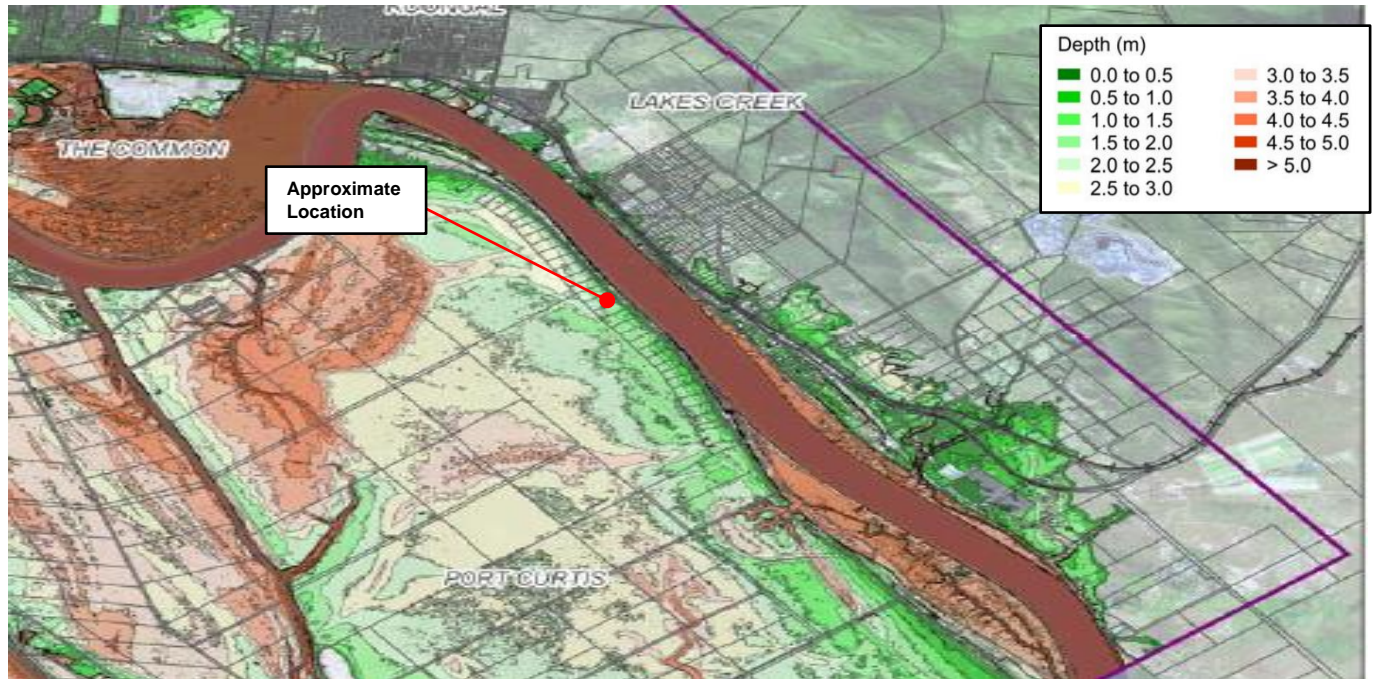


Figure 3 - Flood Depth Mapping (Aurecon, 2011)

It is seen that the proposal is acceptable based on the following:

1. The building is not habitable, and the amount of displaced floodwater is negligible.
2. Resilience to the existing flood event affects will be provided in accordance with the RRC Planning Scheme outcomes towards a defined flood event. This is achievable as the existing structure is constructed using structural steel. This coupled with the fact that the floodwater is slow moving due to being backflow from the Fitzroy River.
3. All electrical infrastructure has been installed at a minimum height of 1200mm above FFL.
4. Local and global (Riverine Flooding) flood heights will not increase as a result of the development. This is due to the fact that there will be no material change to existing hydraulic parameters and no loss of storage.
5. As there will be no change to depth or velocity, there will be no increase to the sites Flood Hazard Category and therefore no risk to persons, infrastructure or property.
6. There are no proposed earthworks aside from minor levelling of ground under the shed.
7. Sufficient notice period of two weeks has been the case for previous Riverine Flooding events and we know this would not change in the future. Given the structure is not habitable or commercial the management required after notice include:
 1. Removal of loose material and potential debris.
 2. Relocation of all equipment off site
 3. Relocation of all animals off site
 4. Open all doors and windows to allow ingress of flood waters

3. Stormwater Heights

An application was made to Rockhampton Regional Council to gain a flood report which had stormwater data within it. The following information was used from the RRC supplied Flood Report (attached in full as Appendix A).

Based on the report received from the council, it is evident that the property is not affected by local storm events or overland flow. Therefore, in the event of any high overland flow during a storm event, it could be managed using the same provisions nominated to mitigate the riverine flooding. The below suggests that the property is not likely to experience significant flood risk, and appropriate measures have been put in place to manage any potential flooding that may occur.

Riverine		Local Catchment	
AEP 1% WSL Min:	7.52	AEP 1% WSL Min:	N/A
AEP 1% WSL Max:	7.81	AEP 1% WSL Max:	N/A
AEP 1% Velocity Min:	0.38	AEP 1% Velocity Min:	N/A
AEP 1% Velocity Max:	1.24	AEP 1% Velocity Max:	N/A

Figure 4 – Excerpts from RRC Flood Data

4. Conclusion

There appears to be no great engineering infrastructure difficulties with the proposed changes to the aforementioned property. It is seen that the proposal will not affect flooding, either on the property or upstream/downstream in any way and conforms to the acceptable outcomes as set out by the RRC planning scheme.

Yours sincerely,



Scott Thomas

Manager – B. Eng (Civil/Structural) RPEQ 16203

Appendix A : RRC Supplied Flood Report

Fitzroy River – H1 or H2 or North Rockhampton flood management area or Creek catchment planning area 2

Table 8.2.8.3.1 Development outcomes for assessable development and requirements for accepted development (part)

Performance outcomes	Acceptable outcomes
Development in Fitzroy River flood areas – H1 (low hazard area) or H2 (medium hazard area) or North Rockhampton flood management area or Creek catchment flood - planning area 2	
Editor's note—Refer to overlay maps OM-8A and OM-8C	
PO1 Development (including extensions) for non-residential purposes is able to provide a safe refuge for people and for the storage of goods during times of flood inundation.	AO1.1 For non-residential development, at least thirty (30) per cent of the <u>gross floor area</u> of all new buildings and structures is located a minimum of 500 millimetres above the defined flood level. Editor's note—Areas less than those nominated above may be supported where accompanied by a flood impact report in accordance with SC6.10— Flood hazard planning scheme policy . Development is for residential purposes. AND AO1.2 A report from a registered professional engineer of Queensland certifies that the development in the flood area will not result in a material increase in flood level or flood hazard on upstream, downstream or adjacent properties. As provided in this report.
PO2 Development is located to minimise susceptibility to and potential impacts of flooding.	AO2.1 For residential uses the finished floor levels of all habitable rooms shall be constructed a minimum of 500 millimetres above the defined flood level. No habitable rooms in the structures AND AO2.2 A report from a registered professional engineer of Queensland certifies that the development in

	<p>the flood area will not result in a material increase in flood level or flood hazard on upstream, downstream or adjacent properties.</p> <p>Editor's note—Report to be prepared in accordance with SC6.10—Flood hazard planning scheme policy.</p> <p>As provided in this report.</p>
<p>PO3</p> <p>Development avoids the release of hazardous materials into floodwaters.</p>	<p>AO3.1</p> <p>All hazardous materials and hazardous manufacturing equipment and hazardous containers are located and stored a minimum of 500 millimetres above the defined flood level.</p> <p>No hazardous materials, hazardous manufacturing equipment or hazardous containers are to be stored at the site.</p> <p>Editor's note—Refer to the Work Health and Safety Act 2011 and associated regulation, the Environmental Protection Act 1994 and the relevant building assessment provisions under the Building Act 1975 for requirements related to the manufacture and storage of hazardous substances.</p>

Fitzroy River – H3-H4 or H5-H6 or Creek catchment flood planning area 1

Table 8.2.8.3.1 Development outcomes for assessable development and requirements for accepted development (part)

Performance outcomes	Acceptable outcomes
<p>Development in Fitzroy River flood areas – H3-H4 (high hazard areas) or H5-H6 (extreme hazard areas) or Creek catchment flood - planning area 1</p> <p>Editor's note—Refer to overlay maps OM-8A and OM-8C</p>	
<p>PO4</p> <p>Development does not involve the further intensification of land uses and does not increase the risk to people and property.</p> <p>Editor's Note—Flood hazard risk assessment can be undertaken in accordance with SC6.10 — Flood hazard planning scheme policy.</p>	<p>AO4.1</p> <p>AO4.1.1</p> <p>Development does not involve new buildings or structures.</p> <p>Development approval is proposed for existing structures</p> <p>OR</p> <p>AO4.1.2</p> <p>Where involving the replacement or alteration to an existing non-residential building or structure:</p>

	<ol style="list-style-type: none"> 1. there is no increase in the existing or previous buildings' <u>gross floor area</u>; and 2. the finished floor level of any replacement or alteration to an existing building is constructed a minimum of 500 millimetres above the defined flood level. <p>No alteration to the existing structure</p> <p>OR</p> <p>AO4.1.3 Where involving the replacement or alteration to an existing caretaker's accommodation, <u>dwelling house</u> or <u>dwelling unit</u>:</p> <ol style="list-style-type: none"> 1. there is no increase in the number of dwellings; 2. there is no increase in the existing or previous buildings' <u>gross floor area</u>; and 3. the finished floor level of all habitable rooms shall be constructed a minimum of 500 millimetres above the defined flood level. <p>No existing dwelling structure.</p> <p>AND</p> <p>AO4.1.4 Where located in the rural zone, the <u>total floor area</u> of class 10a buildings and structures on the <u>site</u> do not exceed a total of fifty (50) square metres, and are set back a minimum of twenty (20) metres from all <u>site</u> boundaries.</p> <p>Structure not located in the rural zone.</p>
<p>PO5 Development avoids the release of hazardous materials into floodwaters..</p>	<p>AO5.1 Materials manufactured, used or stored on <u>site</u> are not hazardous in nature.</p> <p>No hazardous materials to be manufactured, used or stored on site.</p>

Fitzroy River – all hazard areas, North Rockhampton flood management area or Creek catchment – all planning areas

Table 8.2.8.3.2 Development outcomes for assessable development

Performance outcomes	Acceptable outcomes
Development in Fitzroy River flood area – all hazard areas, North Rockhampton flood management area or Creek catchment flood – all planning areas Editor's note—Refer to overlay maps OM-8A and OM-8C	
PO8 Development is located to minimise susceptibility to and potential impacts of flooding.	No acceptable outcome is nominated. Development has been located to minimise susceptibility to and potential impacts of flooding.
PO9 Underground car parks are designed to prevent the intrusion of floodwaters.	AO9.1 Development with underground car parking is designed to prevent the intrusion of floodwaters by the incorporation of a bund or similar barrier a minimum of 500 millimetres above the defined flood level. No underground carparks.
PO10 Development: <ol style="list-style-type: none"> does not result in any reduction of onsite flood storage capacity; or does not result in any change to depth, duration or velocity of floodwaters within the premises; and does not change flood characteristics outside the premises, including but not limited to causing: <ol style="list-style-type: none"> loss of flood storage; or loss of or changes to flow paths; or acceleration or retardation of flows; or any reduction in flood warning times elsewhere on the floodplain. Editor's note—Council may require the applicant to submit a site -based flood study that investigates the impact of the development on the floodplain and demonstrates compliance with the relevant performance outcome.	No acceptable outcome is nominated. <ol style="list-style-type: none"> Development does not result in a reduction of onsite flood storage; Development does not result in a change to depth, duration or velocity of floodwater within the premises, and; Does not change flood characteristics outside the premises, including but not limited to causing ; <ol style="list-style-type: none"> Loss of flood storage, Loss of or changes to flow paths, Acceleration or retardation of flows, and; Any reduction of flood warning times.
PO11 Essential community infrastructure and community facilities are protected from, and able to function effectively during and immediately after, a defined flood	AO11.1 A use for a purpose listed in Table 8.2.8.3.3 :

event.	<p>1. is not located within the flood hazard area; and has at least one (1) flood free access road.</p> <p>Development is not essential community infrastructure, community facilities or public asset.</p>
<p>PO12 Development provides safe and trafficable access to the local evacuation centres and evacuation services and have regard to:</p> <ol style="list-style-type: none"> 1. evacuation time; 2. number of persons affected; 3. types of vehicles necessary for evacuation purposes; 4. the distance to flood free land; and <p>the evacuation route.</p>	<p>AO12.1 Trafficable access to and from the development complies with the Capricorn Municipal Guidelines.</p> <p>Trafficable access will be provided with regards to the requirements of the Capricorn Municipal Development Guidelines.</p> <p>AND</p> <p>AO12.2 Trafficable access to and from the development within the creek catchment planning areas are in accordance with the Queensland Urban Drainage Manual.</p> <p>Trafficable access will be provided with regards to the requirements of the Queensland Urban Drainage Manual..</p> <p>Note—Trafficable access for <u>emergency services</u> or community related uses is obtained from at least one (1) route (minor collector or higher) for <u>emergency services</u> purposes. The development is to ensure that safe access, to the road network between the development <u>site</u> and the closest centre zone, is provided.</p> <p>Editor’s note—Trafficable access requirements for creek catchment planning areas has not been identified and reference has been made to the provisions under the Queensland Urban Drainage Manual. This is due to the short period that property may be isolated.</p>

Fitzroy River – H3-H4 or H5-H6, North Rockhampton flood management area or Creek catchment – planning area 1

Table 8.2.8.3.2 Development outcomes for assessable development

Performance outcomes	Acceptable outcomes
<p>Development in Fitzroy River flood areas – H3-H4 (high hazard areas) or H5-H6 (extreme hazard areas), North Rockhampton flood management area or Creek catchment flood – planning area 1</p> <p>Editor’s note—Refer to overlay maps OM-8A and OM-8C</p>	

PO13 Development that involves temporary or moveable residential structures (for example caravan parks and camping grounds) are not located with the Fitzroy River high and extreme hazard areas, North Rockhampton flood management area and Creek catchment planning area 1.	No acceptable outcome is nominated. The development is not temporary or moveable.
--	--

Operational work

Table 8.2.8.3.2 Development outcomes for assessable development (part)

Performance outcomes	Acceptable outcomes
Operational work	
PO17 Development does not materially impede the flow of floodwaters through the <u>site</u> or worsen flood flows external to the <u>site</u> .	AO17.1 Development does not involve: <ul style="list-style-type: none"> a) filling with a height greater than 100 millimetres; or b) block or solid walls or fences; or c) garden beds or other structures with a height more than 100 millimetres; or d) the planting of dense shrub hedges. Development does not impede the flow of floodwaters through the site or worsen flood flows external to the site – refer Report 20-411.

Appendix A : RRC Supplied Flood Report

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Flood Report for 313A Bowlin Road Port Curtis QLD 4700Printed from
GeoCortex on
20/12/2022Owners: J M M SmithRatepayer Address: PO BOX 883 SOUTHPORT QLD 4215Parcel ID: RP601383/49Land use: Shed/Garage etcRiverine Catchment: Fitzroy River Flood StudyCreek Catchment: N/AMitigation Area: N/AHorizontal Datum: MGA 56, GDA 2020 Elevation / WSL: mAHD Velocity: m/secComments

N/A

Riverine

PMF WSL Min:	11.27	AEP 2% WSL Min:	7.09
PMF WSL Max:	11.29	AEP 2% WSL Max:	7.54
PMF Velocity Min:	0.63	AEP 2% Velocity Min:	N/A
PMF Velocity Max:	1.19	AEP 2% Velocity Max:	1.16
AEP 0.05% WSL Min:	8.89	AEP 5% WSL Min:	6.44
AEP 0.05% WSL Max:	8.94	AEP 5% WSL Max:	7.03
AEP 0.05% Velocity Min:	0.48	AEP 5% Velocity Min:	0.01
AEP 0.05% Velocity Max:	1.19	AEP 5% Velocity Max:	0.99
AEP 0.2% WSL Min:	8.33	AEP 10% WSL Min:	5.72
AEP 0.2% WSL Max:	8.43	AEP 10% WSL Max:	5.73
AEP 0.2% Velocity Min:	0.43	AEP 10% Velocity Min:	0.21
AEP 0.2% Velocity Max:	1.18	AEP 10% Velocity Max:	0.57
AEP 0.5% WSL Min:	7.90	AEP 18% WSL Min:	4.90
AEP 0.5% WSL Max:	8.08	AEP 18% WSL Max:	4.91
AEP 0.5% Velocity Min:	0.40	AEP 18% Velocity Max:	0.19
AEP 0.5% Velocity Max:	1.23	AEP 18% Velocity Max:	0.52
AEP 1% WSL Min:	7.52	AEP 39% WSL Min:	2.66
AEP 1% WSL Max:	7.81	AEP 39% WSL Max:	2.66
AEP 1% Velocity Min:	0.38	AEP 39% Velocity Min:	0.22
AEP 1% Velocity Max:	1.24	AEP 39% Velocity Max:	0.22

Property Elevation

Ground Elevation (Min): 0.47

Ground Elevation (Max): 7.49

Creek \ Local Catchment

PMF WSL Min:	N/A	AEP 5% WSL Min:	N/A
PMF WSL Max:	N/A	AEP 5% WSL Max:	N/A
PMF Velocity Min:	N/A	AEP 5% Velocity Min:	N/A
PMF Velocity Max:	N/A	AEP 5% Velocity Max:	N/A
AEP 0.05% WSL Min:	N/A	AEP 10% WSL Min:	N/A
AEP 0.05% WSL Max:	N/A	AEP 10% WSL Max:	N/A
AEP 0.05% Velocity Min:	N/A	AEP 10% Velocity Min:	N/A
AEP 0.05% Velocity Max:	N/A	AEP 10% Velocity Max:	N/A
AEP 0.2% WSL Min:	N/A	AEP 18% WSL Min:	N/A
AEP 0.2% WSL Max:	N/A	AEP 18% WSL Max:	N/A
AEP 0.2% Velocity Min:	N/A	AEP 18% Velocity Min:	N/A
AEP 0.2% Velocity Max:	N/A	AEP 18% Velocity Max:	N/A
AEP 0.5% WSL Min:	N/A	AEP 39% WSL Min:	N/A
AEP 0.5% WSL Max:	N/A	AEP 39% WSL Max:	N/A
AEP 0.5% Velocity Min:	N/A	AEP 39% Velocity Min:	N/A
AEP 0.5% Velocity Max:	N/A	AEP 39% Velocity Max:	N/A
AEP 1% WSL Min:	N/A	AEP 63% WSL Min:	N/A
AEP 1% WSL Max:	N/A	AEP 63% WSL Max:	N/A
AEP 1% Velocity Min:	N/A	AEP 63% Velocity Min:	N/A
AEP 1% Velocity Max:	N/A	AEP 63% Velocity Max:	N/A

AEP 2% WSL Min:	N/A
AEP 2% WSL Max:	N/A
AEP 2% Velocity Min:	N/A
AEP 2% Velocity Max:	N/A

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