

GMA Certification Group

BUILDING SURVEYORS

ACN 150 435 617

Leaders in Building Certification Services

P: 1300 851 852 E: admin@gmacert.com.au
P.O. Box 2760, Nerang Qld 4211



Pre Application Information Sheet

Please complete this information sheet in full. Note that the information provided will be used to complete your DA Form 2 when your file is ready for formal submission. We may query you for additional information and/or email you a copy of your completed DA Form 2 to confirm the correctness of information prior to submission.

Applicant Details	
Company and or Contact Name	
Postal Address	
Email Address	
Phone Number	

Builder Details	☐ Tick if the Builder Details are the same as the applicant ☐ Tick if the Builder Details are the same as the landowner
Company and or Contact Name	
QBCC License Number	
Postal Address	
Email Address	
Phone Number	

Landowner Details	☐ Tick if the Landowner Details are the same as the applicant ☐ Tick if the Landowner Details are the same as the builder
Company and or Contact Name	
Postal Address	
Email Address	
Phone Number	

Site Address Details	
Lot and Plan Number	
Street No. Name and Suburb	
Local Government	

Is the application required as a result of a show cause or enforcement notice?	☐ Yes ☐ No
--	--

Are there existing structures/buildings on the site? <i>If yes provide details below</i>	☐ Yes ☐ No

Detailed Description of proposed building work and use		Class/s of building work	
Building Materials (where applicable)			
External Walls	Frame	Floor	Roof Covering

Monetary Value of the Proposed Building Work	\$
--	----

Do you consent to receive future electronic communications to the email address provided under applicant details	☐ Yes ☐ No
---	--

Are there any associated development applications or current approvals?			
☐ Yes - please provide all details below and ensure copies are supplied. ☐ No			
	Reference #	Date	Assessment Manager
☐ Approval			
☐ Development Application			
☐ Approval			
☐ Development Application			

I agree to receive a Request for Further Information if determined necessary on review of all received documentation	☐ Yes ☐ No
<i>Please Note: By not agreeing to accept a Request for Further information I, the applicant, acknowledge:</i> that only the information provided at the time of engagement will be assessed and decided upon and the assessment manager and any referral agencies relevant to the development application are not obligated to accept any additional information provided by the applicant for the development application unless agreed to by the relevant parties.	

Declaration the provided information is true and correct	☐ Yes ☐ No
---	--

Signature of Applicant	
Date	



Development Application Decision Notice

This Permit is issued in accordance with Section 282 s63(2) of the Planning Act 2016

Building Certifier Reference Number: **20194715**
Approval Type: **Development Permit For Building Works**
The Development Application was Assessed and: **Approved with Conditions**
Building Certifier Decision Date: **Thursday, 2 April 2020**
Local Government Area: **Fraser Coast Regional Council**
Applicant: **Nikenbah Constructions Pty Ltd**
Owner: **Nikenbah Constructions Pty Ltd**
Address of Site: **1 Latitude Blvd
NIKEHBAH QLD 4655**

Building Class & Description of Works:

9b New Construction of Fitness Centre

Real Property Description of Site or GPS Coordinates:

Lot Type: Lot No: Plan Type: Plan Numbers(s):
Current 151 SP 286722

This Development Permit Approval should be read in conjunction with:

Referral and Concurrence Agencies (If Applicable) : See Attachment A
Required Inspections : See Attachment A
Approved Drawings and Documents Described as : See Attachment A
Required Certificates and Building Certifiers Conditions : See Attachment A
Other Applicable Codes (If Known) for Self Assessable Development: See Attachment A
Reason for Refusal (If Applicable): See Attachment A

Date of this Notice: **Thursday, 2 April 2020**

Date of Expiry: **Wednesday, 2 April 2025**

Certifier:

Geoffrey Mitchell

Licence Number:

A20976

Signature:

ATTACHMENT A

REQUIRED INSPECTIONS

<u>Description</u>	<u>Recommended Agent</u>	<u>Contact</u>
Foundation	GMA Certification Group	07 4126 3069
Slab	GMA Certification Group	07 4126 3069
Frame	GMA Certification Group	07 4126 3069
Final Class 5 to 9	GMA Certification Group	07 4126 3069

APPROVED DOCUMENTATION

Architectural

Plans Endorsed with BA 20194715

REQUIRED CERTIFICATES *

Form 16 - Engineer - Footing Inspection

To be provided from an RPEQ Engineer for the inspection of the footing excavations

Form 16 - Engineer - Slab Inspection

To be provided from an RPEQ Engineer for the inspection of the slab.

Form 16 - Engineer - Framing Inspection

To be provided from an RPEQ Engineer for the inspection of the framing, bracing and tie down.

Evidence of Insulation

To be provided certifying the installation of all components required by the approved energy efficiency report

Fire Passive - Material Hazard Test Reports

Required Certificate

Form 16 - Waterproofing

To be provided from a QBCC licensee certifying the building elements in wet areas and used externally above ground have been made waterproof or water resistant in accordance with BCA Part 3.8.1 and AS3740-2010 and AS4656-2012

Glazing Certificate - Windows

Required Certificate

Plumbing - Final Certificate from Council

Required Certificate

** Additional certificates may be requested upon inspection of the building work.*

BUILDING CONDITIONS

APPLICATION SPECIFIC CONDITIONS

- 1 Comply with Part D3 BCA Access For Persons with Disabilities and AS 1428-1 and AS 1428-4
- 2 Emergency lighting to comply with BCA Volume One Part E4.2 - Emergency Lighting Requirements and AS 2293.1
- 3 Exit signs are to comply with BCA Volume One Part E4.5 - Exit Signs
- 4 Portable Fire extinguishers shall be provided and installed in accordance with both the BCA Volume One Part E1.6 and AS 2444-2001, and installed in the location, type and capacity applicable to the hazard.
- 5 Provide sanitary facilities for people with disabilities, that are equipped and accessible in accordance with AS1428.1-2009

STANDARD CONDITIONS

- 1 The works are to be constructed generally in accordance with the stamped approved plans that accompany this decision. These conditions of approval are to be read in conjunction with the stamped approved plans. Where a conflict occurs between the conditions of approval and the stamped approved plans, the conditions shall take precedence.
- 2 All references made to the BUILDING CODE OF AUSTRALIA (BCA) within this approval are references to the version in force on the date the application was made.

ATTACHMENT A

BUILDING CONDITIONS

- 3 Each doorway required to be provided with Exit signage as per BCA Part E4.5 must have braille and tactile signage in accordance with BCA Part D3.6
- 4 To satisfy the Building Certifier that the Building work has been constructed to an acceptable standard, the following documentation will be required: (when relevant)
- * Certificate/s for footing and/or slab inspection/s and structural elements where a competent person carries out such inspections as nominated in the building application submitted to and approved by the Building Certifier. (Form 16)
 - * Truss Manufacturer's Certificate, quoting the relevant wind classification.
 - * Licensed Applicator's Certificate for Termite Management in accordance with A.S.3660.1
 - * Glass suppliers certification of window glass to AS 1288 and AS 2047
 - * Glass suppliers certification of shower screens to AS 1288
 - * Licensed waterproofers certification for all Wet Areas complying with AS3740
 - * Manufacturers certificate for Balustrades.
 - * Surveyors Setout Certificate
 - * Evidence of the R-Value of the Insulation installed
 - * Certificates from licensed installers of any specialised products ie
 - * Fire Hose Reels
 - * Fire Doors
 - * Fire Collars
 - * Fire Hydrants
 - * Sprinklers
 - * Mechanical Ventilation
 - * Emergency Lighting
- 5 Building work approved on this building application has to be
(a) commenced within [2] years of the date of this decision or the approval will lapse, and
(b) finalised by the date of expiry noted on this decision.
- 6 All doorways on a required accessible path of travel must achieve a luminance contrast of not less than 30% to the adjacent wall, architrave or the like in accordance with AS1428.1 2009 Clause 13
- 7 External Timbers are to comply with the durability & species requirements of AS1684-2010 (Residential Timber Framed Construction) & AS3660-2000 (Termite Management New building work)
- 8 All glass to comply with Australian Standard A.S 1288 Glass Installation Code. All joinery framing and fixings are to be capable of withstanding the expected wind loadings designated for the particular site to comply with AS 2047
- 9 Stairway goings and landings must have a slip resistance in accordance with BCA Table D2.14 and AS4568
- 10 All paths of travel for egress from all areas must be maintained at 1.0m clear of all walls, fixtures or the like including all non mobile and fixed furnishings as per the BCA Volume One Part D2.7
- 11 All references made to the Queensland Development Code within this approval are references to the version current at the time of the lodgement of the application.
- 12 Retaining Walls - (If Applicable) Retaining walls over 1m high, or within 1.5m of any building works or another retaining wall and/or subject to surcharge loadings will require building approval along with Engineer's design and certification.
- 13 No parts of any building works are to encroach closer to the existing sewer/ stormwater infrastructure than as shown on the approved plans.
Due to the possibility of inaccurate information in relation to existing infrastructure, it is the Builder/Applicants responsibility to ensure compliance is maintained by onsite confirmation. Where works are found not to comply then all works must cease until appropriate approvals are obtained. Evidence of compliance may be required prior to final certification
- 14 In issuing this permit GMA Certification Pty Ltd does not certify that the design is correct and does not assume any responsibility for the correctness of the design.
- 15 Compliance with the Building Act 1975 and the relevant Planning Scheme is the responsibility of the applicant.
- 16 Surface Water, resulting from a storm having an average recurrence interval of 100 years must not enter the building.
- 17 A Termite Management system must be installed to comply with BCA Vol 2, Part 3.1.3 and with AS 3660.1-2014.
A durable notice complying with Part 3.1.3 of The Building Code of Australia are to be permanently fixed to the

ATTACHMENT A

BUILDING CONDITIONS

building in prominent locations, such as a meter box or the like.

- 18 Waterproofing to wet areas (bathrooms, laundries and WC's) to comply with the requirements of the BCA and AS3740 - Waterproofing of wet areas in residential buildings.

ADVISORY NOTES

- 1 This building has been assessed in accordance with the relevant building legislation but it remains the responsibility of the owner, designer and builder to ensure compliance with other laws including the anti-discrimination legislation. Failure to provide EQUAL access and facilities may be unlawful by:

- i) Disability Discrimination Act- Australia
- ii) Anti-Discrimination Act - Queensland.

Further information may be obtained from:

Human Rights and Equal Opportunity Commission

GPO Box 5218

SYDNEY, NSW, 1042

PH: 02 9284 9761

FX: 02 9284 9789

TTY 1800 620 241

<http://www.hreoc.gov.au/disabil/access.htm>

- 2 All works are approved on the basis of the disclosure of information to the Certifier provided by the Builder, Owner, Council or the like and including that no other existing buildings or structures are located within the current property boundaries and not, noted upon the application documents. It is the Builders / Applicants responsibility to notify the Certifier as soon as practically possible where other buildings or structures may be found to pre-exist within the property boundaries and have not been disclosed. Where applicable, re-assessment and further permits may be required prior to any works being commenced
- 3 Section 73 of the Building Act requires the applicant to ensure that one legible set of the current drawings for the building is, while the building work is being carried out, available for inspection by anyone who, under an Act, is entitled to inspect the relevant building site.
- 4 The builder is to take all necessary steps to ensure that the properties of the foundation soils providing support to or otherwise in contact with the structure do not exceed the design limitations specified in the structural engineering design
- 5 This Approval does not include the following: Tree removal, demolition of any type, or any other structures other than that detailed upon the stamped approved plans and noted for approval.

ADDITIONAL DEVELOPMENT PERMITS

- 1 1. Compliance Permit Plumbing & Drainage Work

APPROVED FIRE SAFETY SCHEDULE

Measure	DesignStandard	MaintenanceStandard
Emergency lighting	BCA E4.2, E4.4 & AS/NZS 2293.1-2005	BCA E4.2, E4.4 & AS/NZS 2293.1-2005
Portable fire extinguishers	BCA E1.6 & AS2444-2001	BCA E1.6 & AS2444-2001
Exit signs	BCA E4.5, E4.6. & E4.8, AS/NZS 2293.1-2005	BCA E4.5, E4.6. & E4.8, AS/NZS 2293.1-2005

Appeal rights

The rights of an applicant to appeal to a tribunal or the Planning and Environment Court against a decision about a development application are set out in chapter 6, part 1 of the *Planning Act 2016*. For particular applications, there may also be a right to make an application for a declaration by a tribunal (see chapter 6, part 2 of the *Planning Act 2016*).

Appeal by an applicant

An applicant for a development application may appeal to the Planning and Environment Court against the following:

- the refusal of all or part of the development application
- a provision of the development approval
- the decision to give a preliminary approval when a development permit was applied for
- a deemed refusal of the development application.

An applicant may also have a right to appeal to the Development tribunal. For more information, see schedule 1 of the *Planning Act 2016*.

Appeal by a submitter

A submitter for a development application may appeal to the Planning and Environment Court against:

- any part of the development application for the development approval that required impact assessment
- a variation request.

The timeframes for starting an appeal in the Planning and Environment Court are set out in section 229 of the *Planning Act 2016*.

Attachment 2 is an extract from the *Planning Act 2016* that sets down the applicant's appeal rights and the appeal rights of a submitter.

ATTACHMENT 2

APPEAL RIGHTS UNDER THE PLANNING ACT 2016

Chapter 6, Part 1, Section 229 Appeals to Tribunal or P & E Court

- (1) Schedule 1 states-
 - (a) matters that may be appealed to-
 - (i) either a tribunal or the P&E Court; or
 - (ii) only a tribunal; or
 - (iii) only the P&E Court; and
 - (b) the person-
 - (i) who may appeal a matter (the *appellant*); and
 - (ii) who is a respondent in an appeal of the matter; and
 - (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 any other appeal-20 business days after a notice of the decision for the matter, including an enforcement notice, is given to the person.
- (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.

Schedule 1, Table 3 Appeals to a Tribunal only

1. Building advisory agency appeals. An appeal may be made against giving a development approval for building work to the extent the building work required code assessment against the building assessment provisions.
2. Inspection of building work. An appeal may be made against a decision of a building certifier or referral agency about the inspection of building work that is the subject of a building development approval under the Building Act.
3. Certain decisions under the Building Act and the Plumbing and Drainage Act
An appeal may be made against-
 - (a) a decision under the Building Act, other than a decision made by the Queensland Building and Construction Commission, if an information notice about the decision was given or required to be given under that Act; or
 - (b) a decision under the Plumbing and Drainage Act, part 4 or 5, if an information notice about the decision was given or required to be given under that Act.
4. Local government failure to decide application under the Building Act
An appeal may be made against a local government's failure to decide an application under the Building Act within the period required under that Act.

Development Tribunals

If you are not happy with a decision made by your private certifier, you may be able to appeal to the Development Tribunal.

To appeal to the Development Tribunals you must:

- submit a -Form 10 Application for appeal or declaration
<http://www.hpw.qld.gov.au/aboutus/ReportsPublications/FormsTemplates/Pages/DevelopmentTribunalForms.aspx> within the set timeframes
- pay the fee
<http://www.hpw.qld.gov.au/construction/BuildingPlumbing/DisputeResolution/Pages/DisputeResolutionFees.aspx>

Contact details for lodging appeals are provided below: -
Building and Development Dispute Resolution Committees
Queensland Department of Housing and Public Works
Postal address: GPO Box 2457, Brisbane Qld. 4001
Registrar Phone: 1800 804 833
Email: registrar@qld.gov.au <mailto:registrar@qld.gov.au>

Website:

<http://www.hpw.qld.gov.au/construction/BuildingPlumbing/DisputeResolution/Pages/BuildingDevelopmentDisputeResolutionCommittee.aspx>



Form 1—Permit work application for plumbing, drainage and on-site sewerage work

GENERAL NOTES: This form is to be used for the purposes of sections 44(1)(a) and 52(2) of the Plumbing and Drainage Regulation 2019 (PDR). Completion of all applicable sections is mandatory

1. Description of land

The description must identify all land the subject of the application. The lot and plan details (e.g. SP/RP) are shown on title documents or a rates notice.

Street address *(include number, street, suburb/locality and postcode)*

1 Latitude Boulevard, Nikenbah Qld 4655

Lot and plan:

Lot 151 SP 286722

Shop/tenancy number

(if applicable)

Storey/level

(if applicable)

Local government area

Fraser Coast Regional Council

2. Permit application

Subject to section 66(1) of the PDA, a person must not carry out permit work unless the person has a compliance permit for the work and complies with any conditions of the permit.

Is this application for a new building?

☒ Yes ☐ No

Is this application for work to an existing building?

☐ Yes ☒ No

Has distributor-retailer approval been granted? *(if applicable)*

☐ Yes ☐ No

Is a copy of the connection approval attached? *(if applicable)*

☐ Yes ☐ No

☒ Sewered or ☐ Unsewered

Provide details of the proposed plumbing work:

Fitness Centre and Swimming Pool with bathroom facilities

3. Classification of buildings and structures

Indicate the class of buildings and/or structures as set out under the National Construction Code building classifications. For example, a house (class 1a), an apartment (class 2) or a domestic shed (class 10a).

Class of building/s (if known)

☐ Class 1a or 10a or ☒ Class 1b, 2 - 9

Provide description (purpose) of the proposed building

Fitness Centre, Swimming Pool & Sauna, Lawn Bowls, Tennis & Pickle Ball

Courts within RV Lifestyle Community

Note - The description must be sufficient to identify the building/s: a single dwelling, bakery, distillery, mechanical workshop etc.

4. Application type

If this application is for a new class 1a or 10a building and you have answered yes to all questions in box A or B in this section, this application may be fast tracked.

Local governments may opt out or include extra types of permit work under the fast track application process

Check with the relevant local government to see if any changes have been made.

Box A

Each new building directly and separately connects to the reticulated water supply system and sewerage system

☒ Yes ☐ No

A trade waste approval is not required for this property/building

☒ Yes ☐ No

This application does not include an on-site treatment facility

☒ Yes ☐ No

Box B

This work is covered by a local government fast track declaration

☐ Yes ☒ No

*Note - Class 1a and 10a properties or buildings with an on-site sewerage facility, trade waste connection or combined or community sanitary drainage are **excluded** from the fast track process and must be assessed as a standard application as must all other properties/buildings (class 2 – 9).*

5. Soil classification A copy of the soil classification report must be supplied where the work involves sanitary drainage. For classes H, E and P a copy of the articulation report must also be supplied.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%; padding: 2px;">☐ No sanitary drainage</td> <td style="width: 25%; padding: 2px;">☐ Class A</td> <td style="width: 25%; padding: 2px;">☐ Class S</td> <td style="width: 25%; padding: 2px;">☐ Class M/MD</td> </tr> <tr> <td style="padding: 2px;">☒ Class H1/H1-D</td> <td style="padding: 2px;">☐ Class H2/H2-D</td> <td style="padding: 2px;">☐ Class E/EE-D</td> <td style="padding: 2px;">☐ Class P</td> </tr> </table> A copy of the soil classification report is attached ☒ Yes ☐ N/A A copy of the articulation report is attached (for classes H,E&P) ☒ Yes ☐ N/A	☐ No sanitary drainage	☐ Class A	☐ Class S	☐ Class M/MD	☒ Class H1/H1-D	☐ Class H2/H2-D	☐ Class E/EE-D	☐ Class P				
☐ No sanitary drainage	☐ Class A	☐ Class S	☐ Class M/MD										
☒ Class H1/H1-D	☐ Class H2/H2-D	☐ Class E/EE-D	☐ Class P										
6. Fixtures to be installed	Indicate the number of fixtures to be installed: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 33%; padding: 2px;">sinks: 1</td> <td style="width: 33%; padding: 2px;">basins: 4</td> <td style="width: 33%; padding: 2px;">urinals:</td> </tr> <tr> <td style="padding: 2px;">baths:</td> <td style="padding: 2px;">W.C.s: 4</td> <td style="padding: 2px;">showers: 4</td> </tr> <tr> <td style="padding: 2px;">laundry tubs:</td> <td colspan="2" style="padding: 2px;">other:</td> </tr> <tr> <td colspan="3" style="padding: 2px;">Total number of fixtures: 13</td> </tr> </table>	sinks: 1	basins: 4	urinals:	baths:	W.C.s: 4	showers: 4	laundry tubs:	other:		Total number of fixtures: 13		
sinks: 1	basins: 4	urinals:											
baths:	W.C.s: 4	showers: 4											
laundry tubs:	other:												
Total number of fixtures: 13													
7. Water supply Examples of supply details may include dual reticulation or recycled water.	If the application is for a new connection, or disconnection of an existing water service, complete the following: (a) purpose of the water service (tick applicable boxes) ☐ domestic ☐ industrial ☒ commercial ☐ fire (b) nature of the work (tick applicable boxes) ☒ new ☐ alteration ☐ disconnection <i>Note - SEQ local governments cannot grant a permit unless the distributor-retailer has approved the associated connection, connection change or disconnection to its water infrastructure; or it is a class of work that does not require distributor-retailer approval (Plumbing and Drainage Regulation 2019, section 44).</i>												
8. Disposal of wastewater in unsewered area A Treatment Plant Approval (TPA) number/Chief Executive Approval (CEA) or Environmentally Relevant Activity (ERA) number must be included for any on-site sewerage treatment plant or greywater treatment plant. A copy of the site and soil evaluation report must be attached.	Description of work ☐ New facility ☐ Replace existing facility ☐ Connect to existing ☐ The treatment plant is for testing purposes Type of treatment plant ☐ Secondary on-site sewerage treatment plant ☐ Greywater treatment plant ☐ Greywater diversion device ☐ Septic tank ☐ Holding tank ☐ Composting toilet Brand: _____ Model: _____ TPA/CEA Number _____ ERA Number (if applicable) _____ (Treatment Plant Approval or Chief Executive Approval Number) (Environmentally Relevant Activity number) Additional information Total number of bedrooms in all dwellings to be serviced by the facility _____ Total wastewater flow per day to be serviced by the facility _____ L/day A copy of the site and soil evaluation report is attached ☐ Yes Comments <i>(i.e. conversion from septic to treatment plant.)</i>												

9. Owner details	<table> <tr> <td>Owners name:</td><td>Phone number:</td></tr> <tr> <td> Bullamon Residential Pty Ltd </td><td> </td></tr> <tr> <td>Postal address:</td><td></td></tr> <tr> <td> PO Box 1688 Bundaberg Qld 4670 </td><td></td></tr> <tr> <td>Email address of owner:</td><td></td></tr> <tr> <td> </td><td></td></tr> </table>	Owners name:	Phone number:	Bullamon Residential Pty Ltd		Postal address:		PO Box 1688 Bundaberg Qld 4670		Email address of owner:			
Owners name:	Phone number:												
Bullamon Residential Pty Ltd													
Postal address:													
PO Box 1688 Bundaberg Qld 4670													
Email address of owner:													
10. Applicant details The applicant need not be the owner of the land. If lodging this application, the applicant is responsible for ensuring the information provided is correct and that they are authorised to manage the application on the owner's behalf.	<table> <tr> <td>Company name in full:</td><td>Contact person:</td></tr> <tr> <td> PBS Building Qld Pty Ltd </td><td> Peter Abood </td></tr> <tr> <td>Phone number</td><td>Mobile:</td></tr> <tr> <td> 0437 740 330 </td><td> 0437 740 330 </td></tr> <tr> <td colspan="2">Email address of applicant:</td></tr> <tr> <td colspan="2"> peter.abood@pbsbuilding.com.au </td></tr> </table>	Company name in full:	Contact person:	PBS Building Qld Pty Ltd	Peter Abood	Phone number	Mobile:	0437 740 330	0437 740 330	Email address of applicant:		peter.abood@pbsbuilding.com.au	
Company name in full:	Contact person:												
PBS Building Qld Pty Ltd	Peter Abood												
Phone number	Mobile:												
0437 740 330	0437 740 330												
Email address of applicant:													
peter.abood@pbsbuilding.com.au													
11. Declaration The local government will rely on the owner applicant information when assessing the application.	I hereby state that that the information provided in this form is a true and accurate record. <table> <tr> <td>Signature</td><td>Date</td></tr> <tr> <td> </td><td> 08/04/2020 </td></tr> </table>	Signature	Date		08/04/2020								
Signature	Date												
	08/04/2020												
PRIVACY NOTICE: The information on this form is collected as required under the <i>Plumbing and Drainage Act 2018</i> (PDA) by local governments. This information may be stored in the local government database and will be used for purposes related to deciding an application and monitoring compliance under the PDA. Your personal information will be disclosed to the financial institution which handles the local government's financial transactions and may be disclosed to other local government agencies, local government authorities, the Queensland Building and Construction Commission and third parties for purposes relating to administering and monitoring compliance with the PDA. Personal information will otherwise only be disclosed to third parties with your consent or in accordance with the <i>Information Privacy Act 2009</i>. RTI: The information collected on this form will be retained as required by the <i>Public Records Act 2002</i> and other relevant Acts and regulations and is subject to the Right to Information regime established by the <i>Right to Information Act 2009</i>.													

OFFICE
USE
ONLY

FEE (\$)		DATE RECEIVED		RECEIVING OFFICER'S NAME/S		REFERENCE NUMBER/S	
☐ Fast-track application or ☐ Standard application							

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The *Plumbing and Drainage Act 2018* is administered by the Department of Housing and Public Works



**Queensland
Government**

PO Box 1943
Hervey Bay Qld 4655

T 1300 79 49 29
F (07) 4197 4455
E enquiry@frasercoast.qld.gov.au
www.frasercoast.qld.gov.au

21 April 2020

PBS BUILDING (QLD) PTY LTD
PO BOX 1844
PIALBA QLD 4655

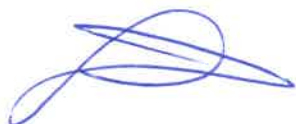
Dear Sir/Madam

**RE: PERMIT FOR PLUMBING, DRAINAGE AND ON-SITE SEWERAGE WORK – APPLICATION NO.
PD207276**

I refer to your application and advise that on 21 April 2020, Council decided to issue a Permit subject to conditions.

The Permit and Information Notice is attached. Should you have any enquiries please contact me on the number below.

Yours faithfully



Tony Dwyer
PLUMBING INSPECTOR

Phone: 1300 79 49 29
Docs Reference: #4033990

Form 17 – Permit for Plumbing, Drainage and On-site Sewerage Work

Plumbing and Drainage Regulation 2019 s. 48(a) and 54(a)

GENERAL NOTES: This form is to be used for the purposes of sections 48(a) and 54(a) of the Plumbing and Drainage Regulation 2019 (PDR).

1. Description of land

The description must identify all land the subject of the application. The lot and plan details (e.g. SP/RP) are shown on title documents or a rates notice.

Street address (include number, street, suburb/locality and postcode)

1 LATITUDE BOULEVARD NIKENBAH QLD 4655

Lot and plan:

Lot 151 SP 286722

Shop/tenancy number

(if applicable)

Storey/level

(if applicable)

Local government area

Fraser Coast RC

2. Owner details

Owner's name

BULLAMON RESIDENTIAL PTY LTD

Phone number:

Not Available

Postal address:

AS TTE FOR BULLAMON RESIDENTIAL UNIT TRUST PO BOX 421 HERVEY BAY QLD 4655

Email address

Not Available

3. Applicant details

The applicant need not be the owner of the land.

Company name in full:

PBS BUILDING (QLD) PTY LTD

Contact person:

Phone number

0437740330

Mobile:

Email address of applicant:

peter.abood@pbsbuilding.com.au

Note: If lodging this application, the applicant is responsible for ensuring the information provided is correct and that they are authorised to manage the application on the owner's behalf.

4. Certification

This form certifies that the relevant local government or public-sector entity has made the following decision in relation to the application for a permit as described above.

Tick the relevant boxes:

Application refused

☐

Permit approved

☐

Permit approved - with conditions

☒

Permit approved - to amend an existing permit

☐

Permit approved – to extend the term of an existing permit

☐

Permit number

PD207276

Date of issue

21 April 2020

Date of expiry

21 April 2022

Issued by

Fraser Coast Regional Council

5. Attachments

Local government or public sector entity may attach additional documentation to this form.

Conditions of permit

☒

Approved plans and specifications

☐

Details of any alternative/performance solution

☐

Information notice

☐

Provide further comments (if applicable):

Information Notice Permit on Conditions

Plumbing and Drainage Regulation 2019 s. 50

RE: 1 LATITUDE BOULEVARD NIKENBAH QLD 4655

PERMIT NUMBER: PD207276

Decision

On 21 April 2020 Fraser Coast Regional Council considered application number PD207276 and decided to issue a Permit subject to the following conditions:

- A) The plumbing and drainage installations shall comply with the current Plumbing Code of Australia, Plumbing and Drainage Act, and Plumbing and Drainage Regulation and referenced "Australian Standards".
- B) The contractor shall determine the exact location of all services, including sewerage, water supply and stormwater drains, before commencing work.
- C) Prior to a request to inspect the plumbing and drainage work, the responsible person must submit a *Form 7 – Notification of responsible person*, to the Local Government.
- D) A plumbing and drainage inspection is to be by prior agreement with Council's Plumbing Section by the responsible person (the plumber). An inspection is to be arranged 24 hours before the required inspection or arranged 10.00am the day before the required time of inspection whichever is greater for the following stages:
 - i. Sub-drains inspection – prior to covering; and
 - ii. Rough-in inspection – prior to sheeting or covering. Pressure test to 1500kpa is to be observed by Plumbing Inspector; and
 - iii. Drainage inspection under test and prior to covering; and
 - iv. Final on completion (the Responsible Person - the plumber is to be on site at time of inspection).
- E) Amended plans or reports are required to be assessed by Local Government before work commences. This request must be submitted to Local Government on the *Form 2 – Application to amend a permit including an extension of time* with the application fee.
- F) Hot Water temperature to sanitary fixtures used primarily for personal hygiene purposes shall comply with AS/NZS 3500.4. Council Plumbing Inspectors will require the hot water unit to be fully functional for temperature setting and notation, operational, compliant and fit for use.
- G) The testable backflow prevention devices, as shown on the approved plan, shall be tested after installation and prior to service, by a qualified tester. The test result sheets shall be forwarded to Council's Plumbing Section within 10 days of the date of the test. These devices must be tested annually thereafter.

- H) Isolating valves shall be installed in the water services in accordance with AS/NZS 3500.1.
- I) Pipework identification and signage to be in accordance with AS 1345.
- J) Each “Thermostatic Mixing Valve” shall be installed and commissioned in accordance with the requirements of AS 3500, and the manufacturers written instructions and those of the relevant regulatory authority. The test results must be forwarded to Councils plumbing department before final certificate will be issued.
- K) Sub water meter shall be installed in readily assessable location allowing a safe work space without the aid of a ladder to maintain or replace the meter. The meter shall be installed in a manner that does not require altering pipe work and other means of construction work (e.g. cutting or removing concrete, timber and plaster) for maintaining or removal.
- L) Upon completion, one copy of an ‘As Constructed’ hydraulic services plan shall be submitted to Council for all projects, by the Responsible Person. The plan shall be legible and of good quality. The final certificate will not be issued until the “as constructed hydraulic drainage plan” of all drainage has been forwarded to Council.

TRADE WASTE CONDITIONS

- A) Trade Waste Permit shall be issued by Wide Bay Water prior to use.

Reasons for the decision

The reasons for imposing the conditions are that:

- To comply with Plumbing and Drainage Act 2018 and the Plumbing Regulation 2019.

Appeals against Local Government's Decisions

If you are dissatisfied with the decision of the Local Government to impose the above conditions on the Permit, you are entitled to appeal to Development Tribunals (the Tribunals) in accordance with section 229 of the *Planning Act 2016*.

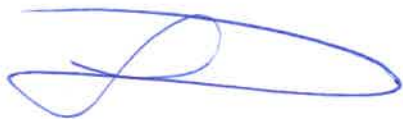
An appeal against this notice must be lodged within 20 business days after the day the notice is given. If your appeal is not lodged within this timeframe, no further action can be taken by the Tribunals in relation to Local Government's decision.

You can lodge an Appeal Notice by submitting a form 10 – application for appeal/declaration and providing the prescribed fee to the Registrar of the Tribunals as follows:

Post to:
Department of Housing and Public Works
The Registrar
Development Tribunals
Building Legislation and Policy
PO Box 15009 City East QLD 4002 Australia

For further information about the Tribunals, including the Appeal Notice (Form 10) and the schedule of fees, visit the Department's website at www.hpw.qld.gov.au or contact the Registrar on 1800 804 833 or Fax: (07) 3237 1248.

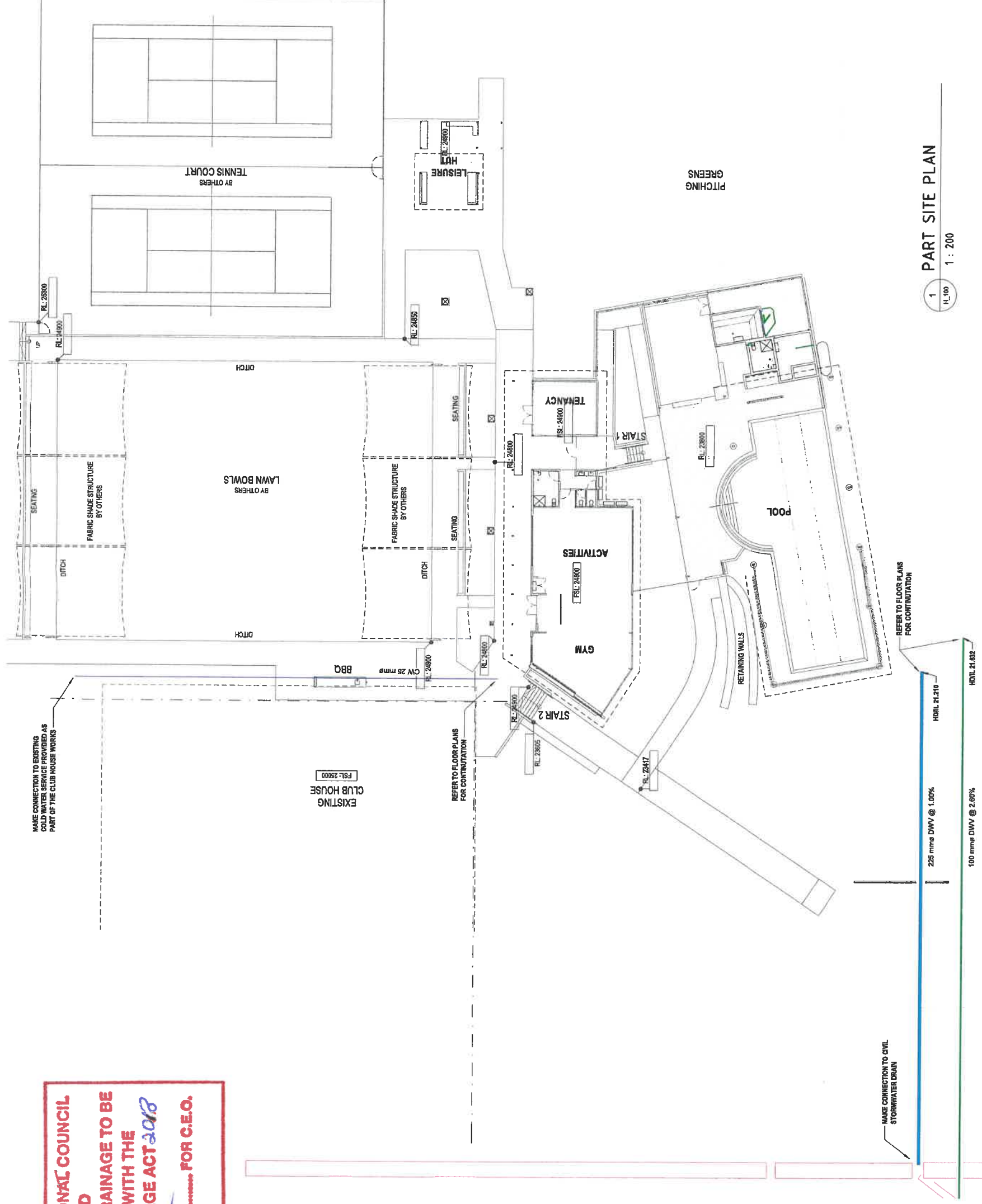
Should you have any enquiries please contact me on the number below.



Tony Dwyer
PLUMBING INSPECTOR

Date: 21 April 2020
Phone: 1300 79 49 29
Docs Reference: #4033990

FRASER COAST REGIONAL COUNCIL
APPROVED
ALL PLUMBING AND DRAINAGE TO BE
IN ACCORDANCE WITH THE
PLUMBING & DRAINAGE ACT 2008
..... FOR C.E.O.
DELEGATED OFFICER



1
H-100

[illegible]

NOTES – GENERAL

NUMBER	NOTE
G1	THESE GENERAL NOTES ARE RELEVANT TO ALL DRAWINGS OF THE HYDRAULIC SET ASSOCIATED WITH THIS PROJECT
G2	CONSTRUCTION OF WORK MUST BE IN ACCORDANCE WITH THE PLUMBING & DRAINAGE CODE, INCCI VOLUME 3, AS/NZS3500 (ALL PARTS) & THE HYDRAULIC SPECIFICATION
G3	REFER TO ARCHITECTURAL DRAWINGS FOR SETTING OUT. DIMENSIONS SHOWN ON HYDRAULIC DRAWINGS INDICATE PIPE POSITIONS ONLY
G4	ALL DIMENSIONS ARE SHOWN IN METRES
G5	ALL DRAINAGE PIPE SIZES INDICATED ARE INTERNAL SIZES AND ALL WATER PIPES ARE SIZES ARE SHOWN AS EXTERNAL COPPER PIPE SIZES
G6	ALL DRAINAGE PIPE SIZES INDICATED ARE INTERNAL SIZES AND ALL WATER PIPES ARE SIZES ARE SHOWN AS EXTERNAL COPPER PIPE SIZES
G7	ALL LEVELS ARE IN METRES TO A.H.D.
G8	THE DRAWINGS INDICATE THE GENERAL LAYOUT OF THE PLUMBING WORK. ALLOW FOR MINOR ALTERATIONS AS NECESSARY TO COMPLETE THE WORKS
G9	ALL PLUMBING PENETRATIONS WITHIN THE BUILDING ARE TO HAVE AN APPROVED SLEEVE OR OPENING TO KEEP THE STRUCTURE A MINIMUM OF 6mm CLEAR OF PIPEWORK AND SEALED WITH AN APPROVED FIRE RATED MASTIC OR COLLAR WHERE PASSING THROUGH ANY FIRE RATED ELEMENTS
G10	WHERE SERVICE PIPES PENETRATE BEAMS, FOOTINGS OR BLINDING CONCRETE LAYERS THEY SHALL BE WRAPPED WITH 25mm THICK EXPANDABLE FOAM
G11	FOR ALL BELOW GROUND PIPEWORK PROVIDE BEDDING AND OVERLAY IN ACCORDANCE WITH THE HYDRAULIC SPECIFICATION. WHERE NO SPECIFICATION IS PROVIDED, THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 500mm THICK BEDDING MATERIAL AND 200mm OF OVERLAY MATERIAL WITH IDENTIFICATION MARKER TAPE INSTALLED ON TOP OF THE OVERLAY MATERIAL IDENTIFYING THE SERVICE DIRECTLY BELOW
G12	NOTWITHSTANDING THAT EXISTING SERVICES MAY OR MAY NOT BE INDICATED ON THESE DRAWINGS, NO RESPONSIBILITY IS TAKEN BY THE CONSULTANT OR THE COMPANY FOR THIS INFORMATION WHICH HAS BEEN SUPPLIED BY OTHERS. THE DETAILS ARE PROVIDED FOR INFORMATION ONLY. THE CONTRACTOR SHALL ASCERTAIN THE EXACT POSITION OF ALL UNDERGROUND SERVICES WITHIN THERE TENDER PRIOR TO EXCAVATION. ANY DAMAGES CAUSED AS A FAILURE TO OBTAIN THE INFORMATION SHALL BE BORNE BY THE CONTRACTOR

NOTES – SANITARY DRAINAGE

NUMBER	NOTE
SD.1	NON TRADE WASTE DRAINAGE LINES SHALL BE DWV SNG GRADE FOR 100mm PIPES AND SNG GRADE FOR 150mm AND ABOVE
SD.2	IN-GROUND TRADE WASTE DRAINAGE LINES SHALL BE OF A MATERIAL SUITABLE FOR THE TRADE WASTE IN QUESTION, BUT SHALL NOT BE DWV UP-V.C. PIPES
SD.3	DRAINS SHALL BE LAID AT GRADES AS NOTED ON THE DRAWINGS. WHERE NO GRADE IS INDICATED THE MINIMUM GRADE SHALL BE 1:5%
SD.4	PRIOR TO LAYING OF ANY DRAINS, THE CONTRACTOR SHALL VERIFY THE INVERT LEVELS OF ALL CONNECTION POINTS PRIOR TO COMMENCING LAYING OF DRAINS. FAILURE TO IDENTIFY INVERT LEVELS PRIOR TO COMMENCING OF EXCAVATIONS OR LAYING OF DRAINS WILL BE THE CONTRACTORS' RESPONSIBILITY AND ANY COSTS ASSOCIATED WITH RECTIFICATION OF SAME
SD.5	PROVIDE ALL INSPECTION OPENINGS AS INDICATED ON THE DRAWINGS BUT NOT GREATER THAN 300, WHERE AN IDS IS INDICATED ON THE PLAN, THIS MEANS AN INSPECTION OPENING DIRECT TO SURFACE. THE INSPECTION OPENING IS INSTALLED IN LINE AND THE FITTING MUST NOT HAVE ANY THROAT. RADIUS TO ALLOW PENDING IN BOTH DIRECTIONS OF THE DRAIN. WHERE CDS IS INDICATED, THESE ARE LOCATED AT THE ENDS OF OR JUMP UPS IN THE DRAINAGE LINES AND INCORPORATES 2 x 45° BENDS
SD.6	OVERFLOW RELIEF GULLY (ORG) TO BE LOCATED AS FOLLOWS: - TOP OF ORG MUST BE A MINIMUM OF 75mm ABOVE THE FINISHED GROUND LEVEL - TOP OF ORG MUST BE A MINIMUM OF 150mm BELOW THE LOWEST FIXTURE WITHIN THE BUILDING
SD.7	ALL JOINTS IN UP-V.C. PIPES SHALL BE SOLVENT WELDED. ALL JOINTS IN TRADE WASTE MATERIAL SHALL BE EITHER FUSION WELDED OR RUBBER RING JOINTED
SD.8	ALL DRAINAGE LINES SHALL BE FLUSHED CLEAN OF DEBRIS PRIOR TO HANDING OVER THE WORKS
SD.9	ALL DRAINAGE LINES LOCATED BELOW FINISHED FLOOR SLABS SHALL REMAIN FULL OF WATER UNTIL THE CONCRETE FLOORS HAVE BEEN POURED
SD.10	SANITARY DRAINAGE LINES INSTALLED WITHIN REACTIVE SOILS, SHALL BE FITTED WITH APPROPRIATE MOVEMENT JOINTS OF A RANGE FOR THE SOIL TYPE IN QUESTION

NOTES – WATER SERVICES

NUMBER	NOTE
W.1	ALL WATER SERVICE PIPE RUNS SHALL BE INSTALLED USING TYPE "B" COPPER TUBING WITH DENSO OR PVC WRAPPING. IF OTHER MATERIALS ARE PROPOSED TO BE USED APPROVAL SHALL BE SOUGHT FROM THE ARCHITECT / CLIENT PRIOR TO USING
W.2	ALL COLD WATER PIPES TO A SINGLE FIXTURE SHALL BE 15mm FOR A MAXIMUM DISTANCE OF 3000mm
W.3	NOT MORE THAN ONE COLD WATER OUTLET / FIXTURE SHALL BE SUPPLIED FROM A 15mm BRANCH
W.4	PROVIDE ALL ISOLATIONS VALVES NECESSARY FOR THE PROPER INSTALLATION OF THE WATER SERVICE
W.5	ALL HOT WATER PIPES SHALL BE LAGGED USING A MINIMUM THERMOTEC OR EQUAL 20mm THICK INSULATION. INSULATION SHALL BE INSTALLED ON ALL PIPES RUNS INCLUDING DEAD LEGS TO WITHIN 3000mm OF THE FINAL FIXTURE
W.6	SUPPLY & INSTALL ALL REQUIRED TEMPERATURE CONTROL DEVICES TO LIMIT THE WATER TEMPERATURE TO ALL SANITARY FIXTURES. THIS SHALL BE BY TEMPERATURE CONTROLLED HOT WATER UNITS, OR MECHANICAL CONTROL DEVICES WHICH IS THERMOSTATIC MIXING VALVES FOR TEMPERATURES AT 42° OR TEMPERING VALVES FOR TEMPERATURES AT 50°
W.7	SUPPLY & INSTALL ALL APPROVED PRESSURE REDUCTION VALVES WHICH LIMITS THE PRESSURE TO THE PRESSURE TO 500KPa
W.8	ALL HOSE TAPS SHALL BE FITTED WITH VACUUM BREAKERS WHERE CONNECTED TO THE POTABLE WATER SUPPLY
W.9	ALL INSULATED HOT WATER PIPES WHERE INSTALLED EXTERNALLY OR WITHIN PLANT ROOMS SHALL BE FITTED WITH METAL SHEATHING AND PAINTED

NOTES – STORMWATER DRAINAGE

NUMBER	NOTE
SW.1	ALL STORMWATER PIPES SHALL BE DWV SNG GRADE FOR 100mm PIPES AND SNG GRADE FOR 150mm AND 225mm PIPES, LARGER PIPES SHALL BE CONSTRUCTED FROM CONCRETE OR FRC MATERIAL OF THE GRADE NOMINATED ON THE ATTACHED PLANS
SW.2	ALL STORMWATER PIPES LOCATED ABOVE AREAS SUCH AS BEDROOMS AND THE LINE OR REQUIRING ACOUSTIC REQUIREMENTS SHALL ACHIEVE THE REQUIRED ACOUSTIC RATING BY EITHER ACOUSTIC WRAP, THE USE OF AN ACOUSTIC PIPE OR AS RECOMMENDED BY AN ACOUSTIC ENGINEER
SW.3	ALL ROOF WATER DRAINAGE PIPES SHALL BE LAID AT A MINIMUM OF 1% GRADE UNLESS NOTED OTHERWISE
SW.4	ALL ROOF WATER DRAINS SHALL BE BACKFILLED USING A MINIMUM OF 10mm GRAVEL TO PERMIT DRAINAGE OF THE TRENCHES
SW.5	ALL PITS INSTALLED AS PART OF THE ROOF WATER SYSTEM SHALL PRE-CAST OF CONCRETE OR HDPE CONSTRUCTION
SW.6	REFER TO ARCHITECTURAL PLANS FOR EXACT LOCATIONS OF ALL DOWNPIPES. ALL CONNECTIONS BETWEEN DOWNPIPES AND DRAINAGE LINES SHALL BE COMPLETELY SEALED USING EITHER SOLVENT WELDED FITTINGS OR FERNO RUBBER DRAINAGE COUPLINGS UNLESS INSTALLED OVER DRAINAGE PITS AT GROUND LEVEL
SW.7	ALL INVERT TAPERS USED IN CHANGES OF PIPE SIZES SHALL BE INSTALLED WITH THE TAPER LEVEL WITH THE TOP OF THE PIPE

NOTES – SANITARY PLUMBING

NUMBER	NOTE
SP.1	NON TRADE WASTE PLUMBING PIPES SHALL BE DWV SNG GRADE FOR 100mm PIPES AND SNG GRADE FOR 150mm AND ABOVE
SP.2	ALL SANITARY PLUMBING PIPES LOCATED ABOVE AREAS SUCH AS BEDROOMS AND THE LINE OR REQUIRING ACOUSTIC REQUIREMENTS SHALL ACHIEVE THE REQUIRED ACOUSTIC RATING BY EITHER ACOUSTIC WRAP, THE USE OF AN ACOUSTIC PIPE OR AS RECOMMENDED BY AN ACOUSTIC ENGINEER
	DRAINS SHALL BE LAID AT GRADES AS NOTED ON THE DRAWINGS. WHERE NO GRADE IS INDICATED THE MINIMUM GRADE SHALL BE 1:5%
SP.4	ALL FLOORWASTE AND SHOWER RISERS MUST BE A MINIMUM OF 100mm UNLESS NOTED OTHERWISE ON THE ATTACHED DRAWINGS
SP.5	WHERE REDUCED VELOCITY AERATOR STACK SYSTEMS ARE USED AND WHERE NO CLEAROUT TO SURFACE IS PROVIDED ON THE SANITARY BRANCH LINE, THE CONTRACTOR SHALL INSTALL AN INSPECTION OPENING AT THE UPSTREAM END OF THE COMMON DISCHARGE PIPE
SP.6	ALL VENTS TO TERMINATE IN ACCORDANCE WITH CLAUSE 6.8.4 OF AS/NZS3500.2 - 2015
SP.7	WHERE WATER CLOSETS ARE INSTALLED, THE MAXIMUM PERMITTED OFFSET PAN COLLAR FOR THIS PROJECT IS 20mm
SP.8	THE CONTRACTOR SHALL INSTALL AND HAVE CERTIFIED ALL REQUIRED FIRE COLLARS WHERE SANITARY PLUMBING PIPES PASS THROUGH FIRE RATED WALL, FLOORS OR PARTITIONS

09.03.20	A	ISSUED FOR TENDER / APPROVAL
26.03.20	1	ISSUED FOR CONSTRUCTION

HYDRAULIC CONSULTANT



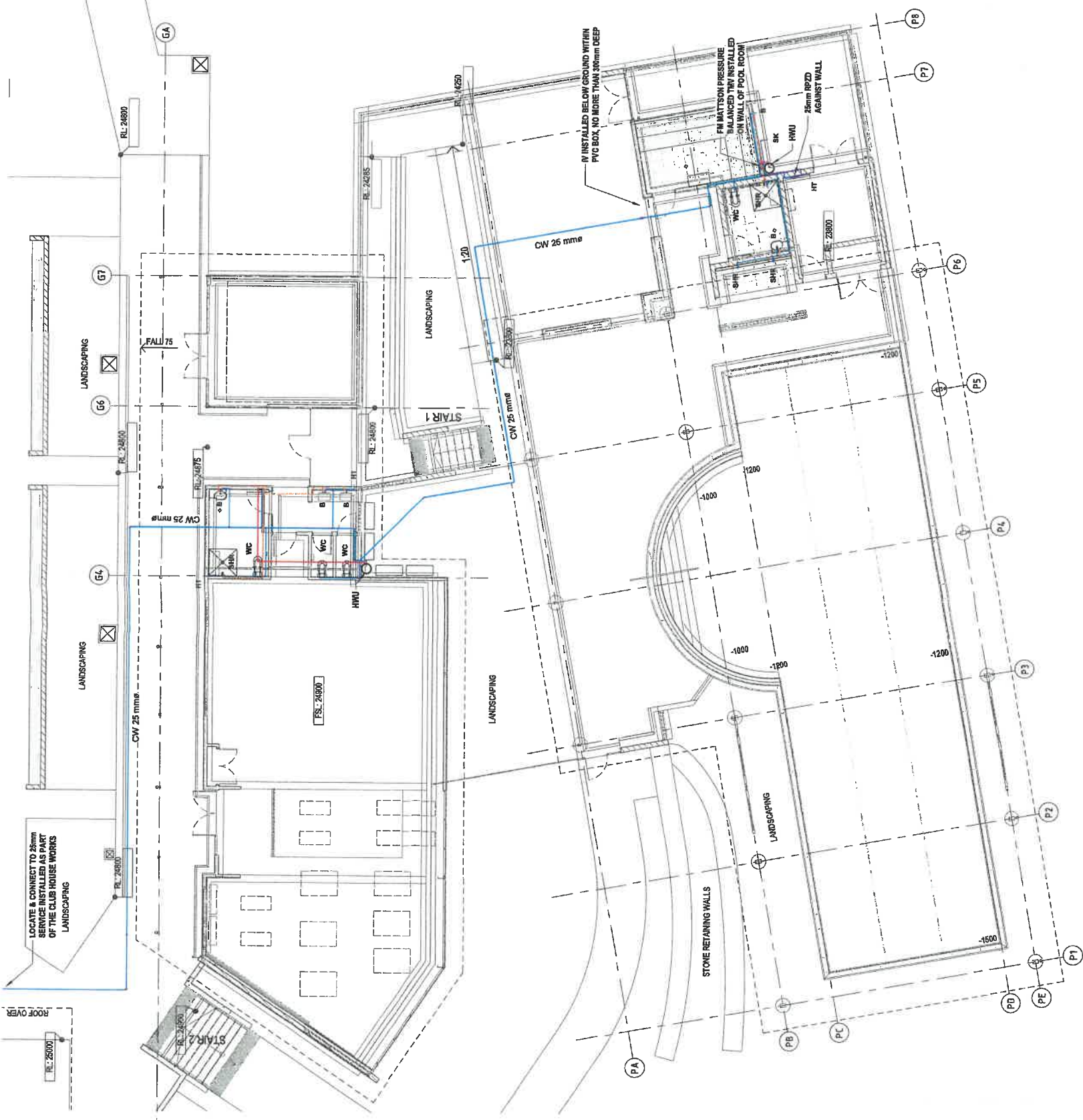
Compass Consulting
Hydraulic Engineering & Environmental Consultants
Group Pty Ltd

BETTER
DESIGNS

SHARTE
GROUP PTY LTD

SHARTE GROUP PTY LTD
10/110-112/114
114/116-118/120/122/124/126/128/130/132/134/136/138/140/142/144/146/148/150/152/154/156/158/160/162/164/166/168/170/172/174/176/178/180/182/184/186/188/190/192/194/196/198/200/202/204/206/208/210/212/214/216/218/220/222/224/226/228/230/232/234/236/238/240/242/244/246/248/250/252/254/256/258/260/262/264/266/268/270/272/274/276/278/280/282/284/286/288/290/292/294/296/298/300/302/304/306/308/310/312/314/316/318/320/322/324/326/328/330/332/334/336/338/340/342/344/346/348/350/352/354/356/358/360/362/364/366/368/370/372/374/376/378/380/382/384/386/388/390/392/394/396/398/400/402/404/406/408/410/412/414/416/418/420/422/424/426/428/430/432/434/436/438/440/442/444/446/448/450/452/454/456/458/460/462/464/466/468/470/472/474/476/478/480/482/484/486/488/490/492/494/496/498/500/502/504/506/508/510/512/514/516/518/520/522/524/526/528/530/532/534/536/538/540/542/544/546/548/550/552/554/556/558/560/562/564/566/568/570/572/574/576/578/580/582/584/586/588/590/592/594/596/598/600/602/604/606/608/610/612/614/616/618/620/622/624/626/628/630/632/634/636/638/640/642/644/646/648/650/652/654/656/658/660/662/664/666/668/670/672/674/676/678/680/682/684/686/688/690/692/694/696/698/700/702/704/706/708/710/712/714/716/718/720/722/724/726/728/730/732/734/736/738/740/742/744/746/748/750/752/754/756/758/760/762/764/766/768/770/772/774/776/778/780/782/784/786/788/790/792/794/796/798/800/802/804/806/808/810/812/814/816/818/820/822/824/826/828/830/832/834/836/838/840/842/844/846/848/850/852/854/856/858/860/862/864/866/868/870/872/874/876/878/880/882/884/886/888/890/892/894/896/898/900/902/904/906/908/910/912/914/916/918/920/922/924/926/928/930/932/934/936/938/940/942/944/946/948/950/952/954/956/958/960/962/964/966/968/970/972/974/976/978/980/982/984/986/988/990/992/994/996/998/1000/1002/1004/1006/1008/1010/1012/1014/1016/1018/1020/1022/1024/1026/1028/1030/1032/1034/1036/1038/1040/1042/1044/1046/1048/1050/1052/1054/1056/1058/1060/1062/1064/1066/1068/1070/1072/1074/1076/1078/1080/1082/1084/1086/1088/1090/1092/1094/1096/1098/1100/1102/1104/1106/1108/1110/1112/1114/1116/1118/1120/1122/1124/1126/1128/1130/1132/1134/1136/1138/1140/1142/1144/1146/1148/1150/1152/1154/1156/1158/1160/1162/1164/1166/1168/1170/1172/1174/1176/1178/1180/1182/1184/1186/1188/1190/1192/1194/1196/1198/1200/1202/1204/1206/1208/1210/1212/1214/1216/1218/1220/1222/1224/1226/1228/1230/1232/1234/1236/1238/1240/1242/1244/1246/1248/1250/1252/1254/1256/1258/1260/1262/1264/1266/1268/1270/1272/1274/1276/1278/1280/1282/1284/1286/1288/1290/1292/1294/1296/1298/1300/1302/1304/1306/1308/1310/1312/1314/1316/1318/1320/1322/1324/1326/1328/1330/1332/1334/1336/1338/1340/1342/1344/1346/1348/1350/1352/1354/1356/1358/1360/1362/1364/1366/1368/1370/1372/1374/1376/1378/1380/1382/1384/1386/1388/1390/1392/1394/1396/1398/1400/1402/1404/1406/1408/1410/1412/1414/1416/1418/1420/1422/1424/1426/1428/1430/1432/1434/1436/1438/1440/1442/1444/1446/1448/1450/1452/1454/1456/1458/1460/1462/1464/1466/1468/1470/1472/1474/1476/1478/1480/1482/1484/1486/1488/1490/1492/1494/1496/1498/1500/1502/1504/1506/1508/1510/1512/1514/1516/1518/1520/1522/1524/1526/1528/1530/1532/1534/1536/1538/1540/1542/1544/1546/1548/1550/1552/1554/1556/1558/1560/1562/1564/1566/1568/1570/1572/1574/1576/1578/1580/1582/1584/1586/1588/1590/1592/1594/1596/1598/1600/1602/1604/1606/1608/1610/1612/1614/1616/1618/1620/1622/1624/1626/1628/1630/1632/1634/1636/1638/1640/1642/1644/1646/1648/1650/1652/1654/1656/1658/1660/1662/1664/1666/1668/1670/1672/1674/1676/1678/1680/1682/1684/1686/1688/1690/1692/1694/1696/1698/1700/1702/1704/1706/1708/1710/1712/1714/1716/1718/1720/1722/1724/1726/1728/1730/1732/1734/1736/1738/1740/1742/1744/1746/1748/1750/1752/1754/1756/1758/1760/1762/1764/1766/1768/1770/1772/1774/1776/1778/1780/1782/1784/1786/1788/1790/1792/1794/1796/1798/1800/1802/1804/1806/1808/1810/1812/1814/1816/1818/1820/1822/1824/1826/1828/1830/1832/1834/1836/1838/1840/1842/1844/1846/1848/1850/1852/1854/1856/1858/1860/1862/1864/1866/1868/1870/1872/1874/1876/1878/1880/1882/1884/1886/1888/1890/1892/1894/1896/1898/1900/1902/1904/1906/1908/1910/1912/1914/1916/1918/1920/1922/1924/1926/1928/1930/1932/1934/1936/1938/1940/1942/1944/1946/1948/1950/1952/1954/1956/1958/1960/1962/1964/1966/1968/1970/1972/1974/1976/1978/1980/1982/1984/1986/1988/1990/1992/1994/1996/1998/2000/2002/2004/2006/2008/2010/2012/2014/2016/2018/2020/2022/2024/2026/2028/2030/2032/2034/2036/2038/2040/2042/2044/2046/2048/2050/2052/2054/2056/2058/2060/2062/2064/2066/2068/2070/2072/2074/2076/2078/2080/2082/2084/2086/2088/2090/2092/2094/2096/2098/2100/2102/2104/2106/2108/2110/2112/2114/2116/2118/2120/2122/2124/2126/2128/2130/2132/2134/2136/2138/2140/2142/2144/2146/2148/2150/2152/2154/2156/2158/2160/2162/2164/2166/2168/2170/2172/2174/2176/2178/2180/2182/2184/2186/2188/2190/2192/2194/2196/2198/2200/2202/2204/2206/2208/2210/2212/2214/2216/2218/2220/2222/2224/2226/2228/2230/2232/2234/2236/2238/2240/2242/2244/2246/2248/2250/2252/2254/2256/2258/2260/2262/2264/2266/2268/2270/2272/2274/2276/2278/2280/2282/2284/2286/2288/229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FRASER COAST REGIONAL COUNCIL
APPROVED
ALL PLUMBING AND DRAINAGE TO BE
IN ACCORDANCE WITH THE
PLUMBING & DRAINAGE ACT 2013
FOR C.E.O.
DELEGATED OFFICER



1 HEALTH HUB - WATER SERVICES

1 : 100

09.03.20
26.03.20
A
1
ISSUED FOR TENDER / APPROVAL
ISSUED FOR CONSTRUCTION

HYDRAULIC CONSULTANT
Compass Consulting
SIRLEY BETTER COMBINED
SHARPER
DESIGNS
174 Chapel Road, NIKENBAH
VIC 3207
Tel: 03 9400 1234
Fax: 03 9400 1235
Email: info@compassconsulting.com.au
www.compassconsulting.com.au

CLIENT
Latitude 25
RV - Leisure Community
DEVELOPMENT
174 CHAPEL ROAD, NIKENBAH

DRAWING TITLE
HEALTH HUB - WATER SERVICES
PLAN

SCALE 1 : 100
0 1 2 3 4 5m

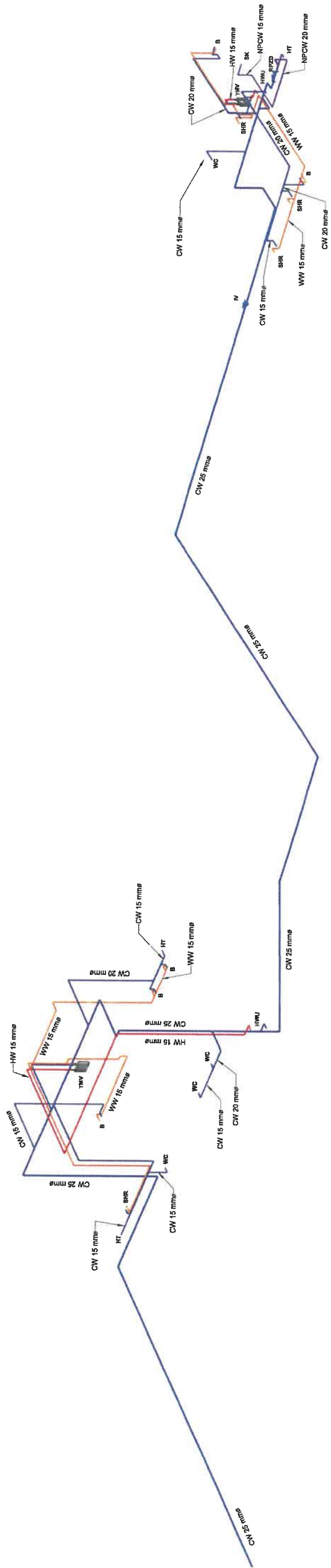
PROJECT NO
172711

DRAWING NO
H_500

REVISION NO
1

DESIGNED
C. WHEAT
CHECKED
APPROVED
SCALE
1 : 100
NORTH POINT
1

REFER TO INSERT FOR CONTINUATION



HEALTH CLUB - WATER SCHEMATICS - INSERT

2
H_600

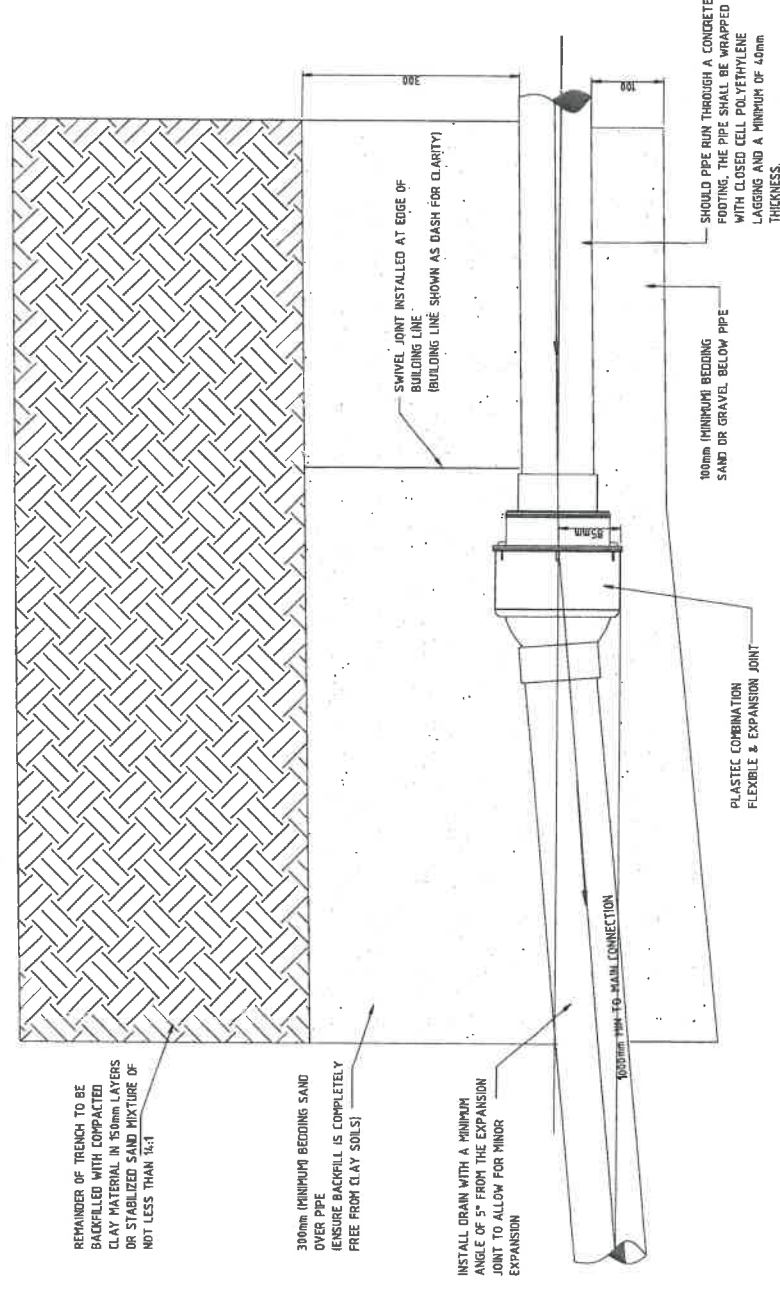
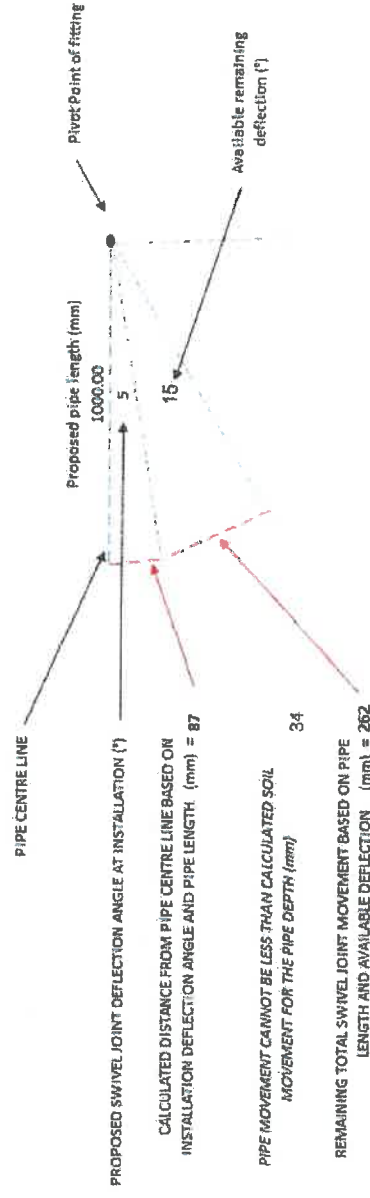
09.03.20	A	ISSUED FOR TENDER / APPROVAL	HYDRAULIC CONSULTANT		CLIENT	DRAWING TITLE	DRAWN	DESIGNED	SCALE
26.03.20	1	ISSUED FOR CONSTRUCTION	COMPAS CONSULTING SHARLEY BETTER COWBS22 SHARLEY BETTER COWBS22		Latitude 25	HEALTH HUB - WATER SCHEMATICS	C. WHEAT	C. WHEAT	NORTH POINT
			PROJECT		PROPOSED RV COMMUNITY DEVELOPMENT		CHECKED		
					174 CHAPEL ROAD, NIKENBAH		APPROVED		
							PROJECT NO	DRAWING No	REVISION No
							172711	H_600	1

SWIVEL JOINT MOVEMENT CALCULATION

Enter proposed installation deflection angle (°)	5
Reminiscing available deflection angle (°)	15
Proposed length of pipe from swivel joint pivot (mm)	1000
Radians =	8.73E-02
Arc Length at install angle mm =	87
Calculated total pipe movement from install angle (mm)	0
Remaining Arc length in fitting (mm)	0
Remaining chord length (mm)	87

NOTE: The Chord length cannot exceed the fitting deflection which is a maximum of 20 degrees, therefore if the proposed deflection is 5 degrees, leaves 15 degrees for movement.

Further, the available deflection in the fitting cannot be less than the calculated soil movement for the pipe depth



SWIVEL JOINT DETAIL

[illegible]