

COFFS HARBOUR CITY COUNCIL



## ADDENDUM TO COUNCIL ASSESSMENT REPORT

NORTHERN REGIONAL PLANNING PANEL

PANEL REFERENCE & DA NUMBER
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#### Background

•

A site visit was undertaken by panel members on Friday 10<sup>th</sup> March, 2023. At the site visit the Panel raised a number of matters that require further clarification to assist the Panel with their consideration of the development application.

These matters raised are as follows:

- **Total school population** Clarification is sought on the total school population (existing and proposed). Note: A condition may be imposed which specifies the total school population (if approved).
- Water supply

It is requested that information be provided that demonstrates/confirms that the proposed water tanks will have sufficient capacity to service the school additions for the purpose of firefighting and potable water supply.

#### • Response to Transport for NSW (TfNSW) comments

Further clarification required to demonstrate that the advice provided by Transport for NSW (in their letter dated 29/9/22) has been taken into consideration and been addressed.

A response to each matter is provided below.

#### Total school population

The total school population is expected to be 1152 students, see attached letter from the school. Draft condition no. 32 could be altered to the following:

#### Student Population:

32. The approved additions shall accommodate for up to 750 students. The total school population being 1152 students.

#### Water supply:

The proposed development involves installing 2X 500KL water tanks to be used for both firefighting and potable water supplies. See attached letter from applicant detailing proposed water supply arrangements. The tanks will be required to meet AS2419.1 Fire Hydrant installation code. Each tank has a 144,000 litre supply for firefighting which is drawn from the base of the tanks.

This leaves 378,000 litres per tank for potable water supply. Potable water is drawn from the top of the tanks. Under AS1547:2012, the average use per person is in the range of 15-30 litres per day.

The wastewater report submitted with the development application anticipates 13.3 litres of water to be used per person per day (5 day school week) for toilet and hand wash basin use. So if each person uses 15 litres per day (drinking and toilet use), the full supply will last 66 school days without the need for rain or alternative methods of topping up the tanks.

#### Response to Transport for NSW (TfNSW) comments:

 TfNSW reiterate previous advice regarding the need to understand the impact an increase of student population will have on current bus services. The application is not supported by a School Travel Plan (STP). Preparation of an STP setting objectives, targets and measures to reduce private car travel and encourage travel by active and school bus services. Additionally, resources to assist can be found here: https://www.mysydney.nsw.gov.au/travelchoices/tdm.

TfNSW recommend Council condition the development of an STP to support the document prior to the issue of an Occupation Certificate (OC).

In response to the above advice provided by TfNSW, Council has included the following condition in the draft recommended conditions of consent:

#### Student Travel Plan:

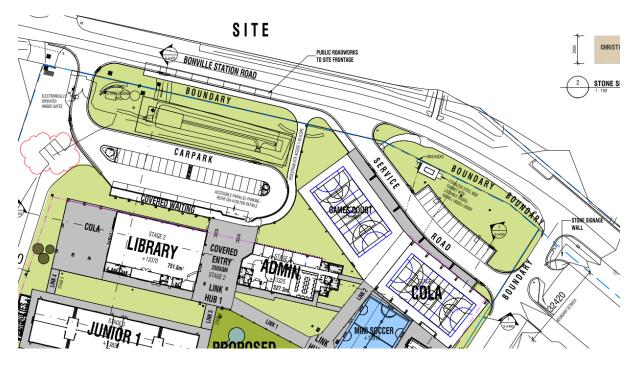
- 30. **Prior to the issue of an Occupation Certificate**, the applicant is to develop a Student Travel Plan (STP) or update any existing STP in consultation with TfNSW. The School Travel Plan should include, but not be limited to:
  - Includes maps with the school catchment area, cycling infrastructure, isochrome lines for walking and cycling distances, staff suburb/location data;
  - Include staged aspirational mode share targets for staff and students;
  - Include the provision of existing and staged bicycle parking for students and staff, dedicated end of-trip facilities including but not limited to lockers, showers and change rooms and e-bike charging station(s) for staff and students to support an increase in the non-car mode share for travel to and from the site;
  - Considers incentives for staff to use active and public transport.
  - Considers incentives for students to use active and public transport.
  - Considers how educational material that explores the benefits and potential of sustainable transport can be incorporated into classes for different stages in the curriculum;
  - Includes an enhanced Travel Access Guide (TAG).
  - Explores different channels to communicate transport information.
  - Includes a comprehensive communication strategy which includes communications activities related to all the initiatives, the channels that will be used and who will be responsible; and
  - Include details regarding the methodology and monitoring/review program to measure the effectiveness of the objectives and mode share targets of the STP, including the frequency of monitoring and the requirement for travel surveys to identify travel behaviours of users of the development.

If requested by TfNSW, STP progress reports shall be submitted at an interval determined by TfNSW.

 TfNSW note parking spaces have been increased in the amended application with all additional parking spaces being accommodated onsite. Notwithstanding, TfNSW reiterates previous advice regarding the car parking spaces within the Bus Service area. Council should consider how these car parking spaces introduce conflict between heavy vehicles (buses) and vulnerable road users in this area.

In response to the above advice provided by TfNSW, as shown the site plan below, the entry and exit for the kiss and ride car spaces are separate from the internal bus service road. This is intentional to prevent children and vulnerable road users conflicting with buses. The 14 car spaces located along the bus service road are for teachers and other staff that are familiar will the bus operations.

These spaces will be occupied throughout the day and will not be freely available by parents. Regulatory road signage will be introduced (as required by condition no.7) to address the advice provided by TfNSW.



3. Any regulatory signs and devices being proposed will require the endorsement of the Local Traffic Committee prior to Council approval. Please refer to <u>A guide to the delegation to councils for the regulation of traffic.</u>

In response to the above advice provided by TfNSW, Council has included the following condition in the draft recommended conditions of consent:

#### Regulatory Traffic Signage and Devices:

- 7. Regulatory signage and devices required to facilitate the development must be in accordance AS1742.9 and shall be approved by the Local Traffic Committee **prior** to the issue of a Construction Certificate.
- TfNSW recommend Council be satisfied that the proponent has sufficiently addressed the traffic impacts of the development in particular the increase in students and how that will increase both private vehicle movements and the demand for bus services.

In response to the above advice provided by TfNSW, Council is satisfied that the proponent has sufficiently addressed the traffic impacts associated with the proposed development, caused by the increase in students and private vehicle movements and the demand for bus services. Any potential traffic safety, road congestion or parking implications are minimised through the design of on-site car parking, drop off area and bus parking. A further 20 car spaces are proposed in addition to the previously approved road frontage works under 0409/21DA.

These spaces are shown on the proposed plans under the current proposal.

The student kiss and ride area is west of the bus egress, as such the majority of traffic during peak periods will not travel past the access. Bonville Station Road is a dead end road with the only users east of the access being associated with the school. There is a substantial length

of road that can be utilised for queuing. It is a low speed environment (being 40km/hr during school bus drop off and pick up). The approved works under 0409/21DA and proposed 20 additional spaces improves maneuverability for the buses for the existing and proposed school additions. School bus parking along the internal bus service road is additional to the existing bus parking.



## Coffs Harbour Christian Community School Limited

ACN 002 510 456

13 March 2023

Dear Planning Panel Members,

#### Re: Clarification of Coffs Harbour Christian Community School population

Please accept the following for clarification regarding the school's population. Our correspondence with Coffs Harbour City Council has referred to the population for the new development only, including both students who are transitioning from the current facilities and new students which will increase enrolment.

From our meeting on Friday, you indicated you would like to know the total school population figures, including both the existing and the new. We have not yet provided you with existing school students and would like to give you that clarification.

Please refer to the information below for clarification regarding total school population at the completion of the development.

Existing Students	6.72	Our current facilities cater for 672 students.	
Additional Students	480	Upon the completion of the development there will be an additional 480 students enrol in the school.	
Transitioning students	270	There will be 270 of our existing students transitioning from our current classrooms into the new classrooms. This will provide more space for the existing students.	

#### **New Development Population Summary**

Additional Students (480) + Transitioning Students (270) = 750 students

There will be 750 Students in the new facilities on the proposed development.

#### **Total School Population Summary**

Existing Students (672) + Additional Students (480) = 1152 students

The total school population at the completion of the development will be 1152.

Yours Sincerely,

dans yr

Andrew Lynn Principal

JUNIOR SCHOOL CAMPUS 27 Curacoa Street Coffs Harbour NSW 2450 Telephone: (02) 6652 6433 Facsimile: (02) 6652 7406 jsadmin@coffsccs.nsw.edu.au

www.coffsccs.nsw.edu.au A ministry of Coffs Harbour Baptist Church MIDDLE & SENIOR SCHOOL CAMPUS 226 Bonville Station Road Bonville NSW 2450 Telephone: (02) 6653 4000 Facsimile: (02) 6653 4048 admin@coffsccs.nsw.edu.au



### de Groot & Benson Pty Ltd Consulting Engineers & Planners

ACN 052 300 571 | ABN 50 772 141 249

236 Harbour Drive, Coffs Harbour NSW 2450 PO Box 1908, Coffs Harbour NSW 2450 02 6652 1700 | email@dgb.com.au

13 March 2023

18093

Northern Region Planning Panel c/- Coffs Harbour City Council Locked Bag 155 COFFS HARBOUR NSW 2450

**Dear Planning Panel** 

#### PPSNTH-182 – Coffs Harbour – PAN-146201

#### COFFS HARBOUR CHRISTIAN COMMUNITY SCHOOL 0326/22 DA

#### BONVILLE STATION ROAD- PROPOSED NEW SCHOOL

We write to provide supplementary information to provide a level of comfort for the determining Authority regarding water supply and fire fighting for the proposed school development.

We note that detailed information will be included in the construction certificate application(s) for the staged development of the site. However some of the construction certificate information has been prepared and we utilise that information in this submission.

#### Description of the water supply system

The site is not serviced by a town water supply, thus like the existing school development on adjacent land and on the opposite side of Bonville Station Rd, requires on site water supply.

Water is supplied by;

- Rainwater harvesting from roofs, stored in tanks
- Borewater
- Dam on the adjoining school site
- Water treatment facilities to provide safe drinking water

The proposed development will be serviced by 2 x 500 kilolitre water tanks, located at a tank farm proximate to the site pump house. In addition there will be a 3<sup>rd</sup> tank; a 37 kL irrigation tank for landscape watering. Thus landscape watering will not draw supply from potable water tanks and thus reduce demand on potable water supply.

Gregory Benson

Andrew Mav



#### • Water tank description

The 2 x 500 kL tanks provide for both fire fighting and potable water supplies.

- **Fire fighting**; Each tank has a 144,000 litre fire fighting supply drawn from the base of the tank. The volume corresponds to a fire hydrant supply of 10 litre/second for a 4 hour period in each tank. The requirement of AS2419.1 Fire hydrant installation code is met within each tank. The provision of 2 tanks allows for the maintenance of a tank such that there is at least 50% supply required by code, except there will be the full volume of water supply required in each tank. So the system water supply is extra safe. Tanks are an acceptable water supply for the fire fighting system.
- **Potable water**: potable water is drawn from the level in the tank above the fire fighting reserve, so that allows 390 kL in each tank for use as potable water, after filtration. Across 750 students and 38 staff two full tanks provide an average of 990 litres each person. From AS1547:2012 the average use is in the range 15-30 litre per person per day. From the wastewater report the measured flow is 13.3 litre per person per day. Thus for a 15 litre per person per day (5 day school week) the full supply will last 66 school days (13 weeks) without any supplementary rainwater harvesting or borewater top up.

The benefit of staged development is that, with both tanks installed initially and as the School development progresses and population increases, the performance of the system can be monitored over a number of years and additional supply tanks installed if the need arises before the population becomes too great.

• Landscape watering: a separate 37 kL tank is proposed for landscape watering, which means that garden watering will be controlled by automated irrigation system that does not draw water from the potable water supply. There is no need for manual hosing of gardens. Irrigation water consumption rates are controlled and supply is from bore water.

#### • Fire fighting system

The School will be supplied by a hire hydrant system supported by a booster assembly, with 2 x diesel fire fighting pumps and an electric jacking pump. The preliminary hydrant system drawings are attached for information.

#### • Attached plans

dGB plan 18093 D-401 provides details of the tank farm, including a cross section of a 500 kL tank. The cross section indicates 144,000 litre fire fighting supply and 390,000 litre potable water supply. The pump house pan shows the fire pumps and potable water filtration system.

Glenn Haigh Associates plans 213376 H000, H001, H002 and H101 indicate the design layout of fire mains and dual head hydrants, fire pump systems to service the development. These are preliminary construction certificate plans, not yet completed (as the DA is not yet consented) however the plans do indicate that a fire fighting system compliant with he requirements of the National Construction Code can be supplied for the development. Bore suction points are proposed for NSW Fire and rescue appliances fand for the small hoses used by Rural Fire service.

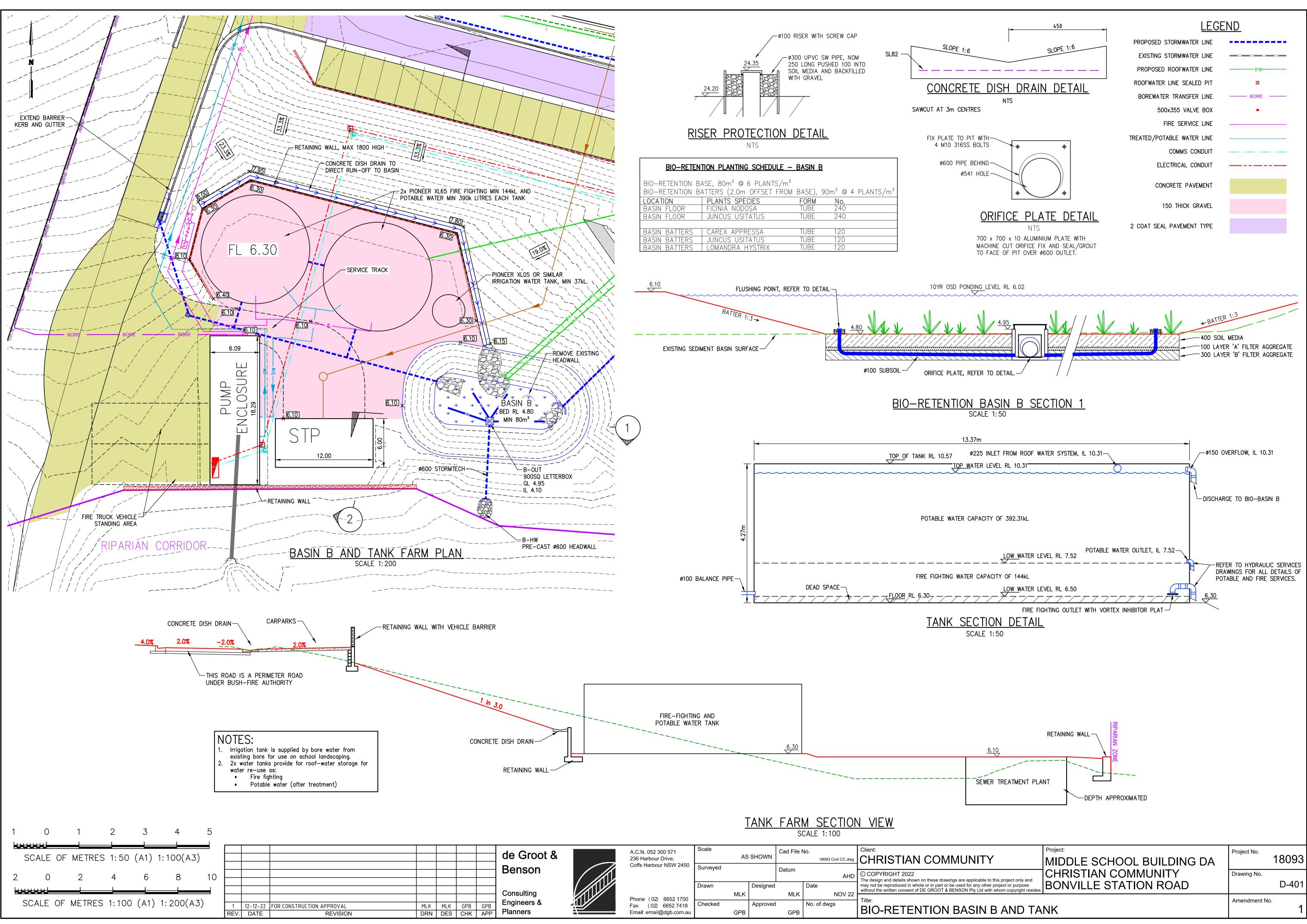


Yours sincerely

fla ~

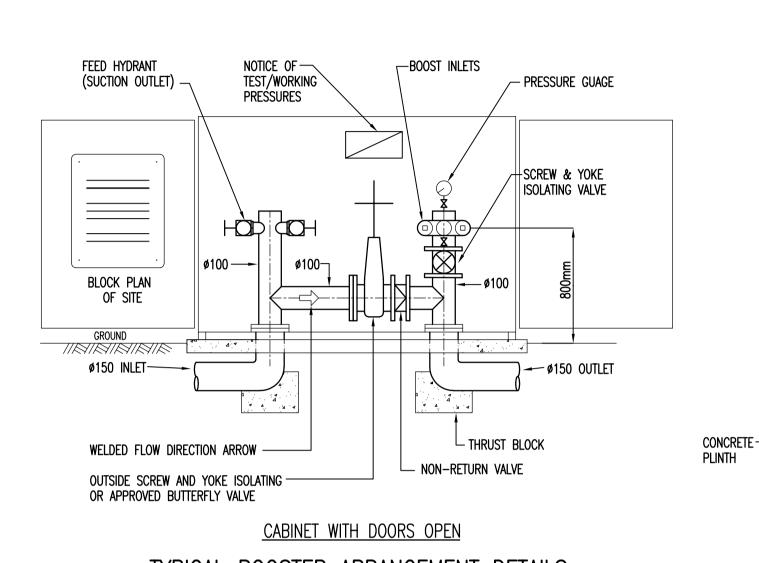
G P Benson

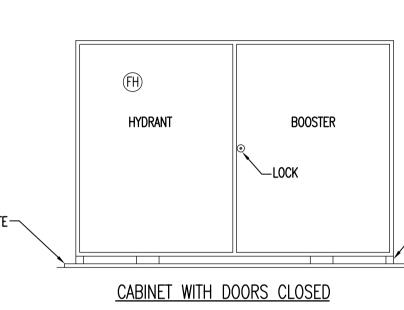
Director

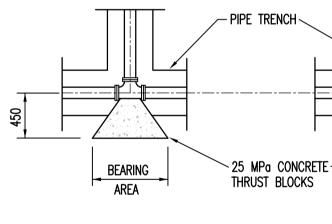


	de Groot &	A.C.N. 052 300 571 236 Harbour Drive,	Scale	AS	SHOWN	Cad File N		Client: CHRISTIAN COMMUNITY
	Benson	Coffs Harbour NSW 2450	Surveyed			Datum	AHD	© COPYRIGHT 2022 The design and details shown on these drawings are applicable to this proje
	Consulting	Phone (02) 6652 1700	Drawn	MLK	Designed	MLK	Date NOV 22	may not be reproduced in whole or in part or be used for any other project o without the written consent of DE GROOT & BENSON Pty Ltd with whom co
JPB APP	Engineers & Planners	Fax (02) 6652 7418 Email: email@dgb.com.au	Checked	GPB	Approved	GPB	No. of dwgs	BIO-RETENTION BASIN B A

# CHRISTIAN COMMUNITY JUNIOR SCHOOL CAMPUS BONVILLE STATION ROAD, BONVILLE NSW 2450







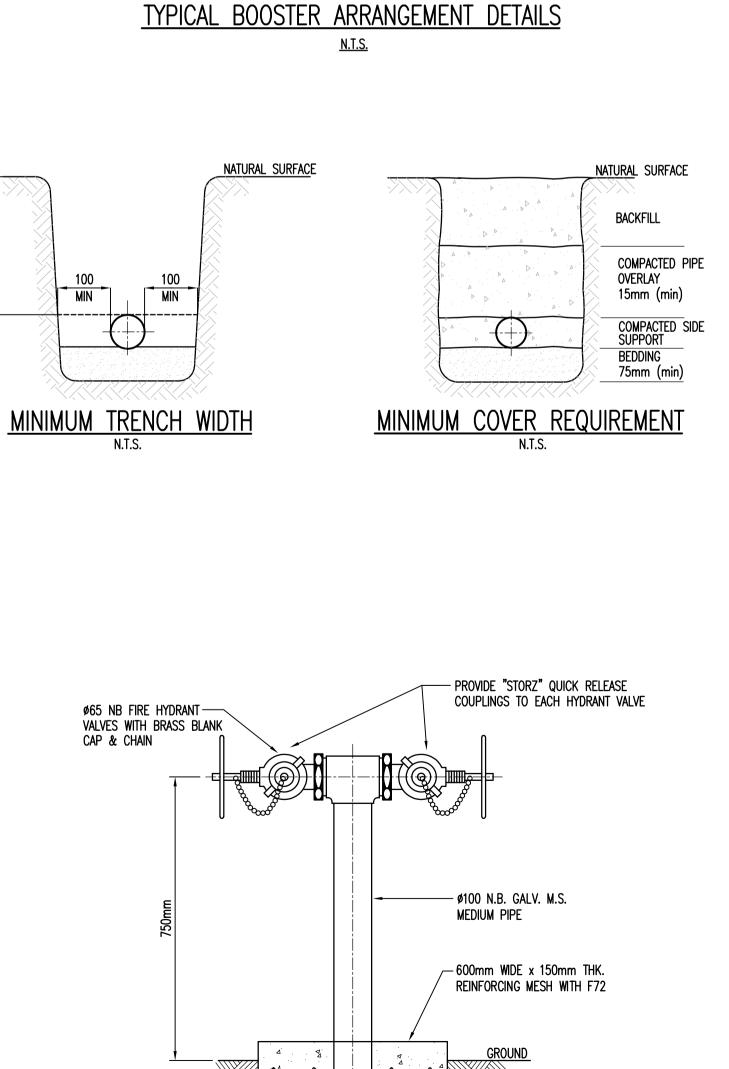
NOTE: REFER TO TABLE FOR THRUST BLOCK BEARING AREAS

<u>TABLE 1</u>		
soil type	TYPICAL HORIZONTAL BEARING PRESSURE kPa (600 DEPTH)	AREA FACTOR TABLE 1
SOFT CLAY	24	2
SAND OR SILTY CLAY	48	1
SAND & GRAVEL	72	0.66
SAND & GRAVEL BONDED WITH CLAY	96	0.5
SHALE	240	0.2

TABLE 2		
PIPE Ø	90°C BENDS (SQ. m)	4
100	0.4	
150	1.0	
200	1.4	
250	2.4	
300	3.4	
350	4.6	

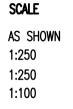
TABLE VALUES ARE BASED ON 1700kPa INTERNAL WATER PRESSURE AND 48 kPa HORIZONTAL SOIL BEARING PRESSURE FOR OTHER VALUES, MULTIPLY THE BEARING PRESSURE (TABLE 1) BY THE AREA OF BEARING FACE (TABLE 2)





EXTERNAL HYDRANT VALVE DETAIL

## DRAWING SCHEDULE



## **LEGEND**

## LINE TYPES

XCW	EX COLD WATER (XCW)
s	SUCTION (S)
tcw	TANK COLD WATER (TCW)
cw	COLDWATER (CW)
npcw	NON POTABLE COLDWATER (NPC

FIRE HYDRANT SERVICE (FH)

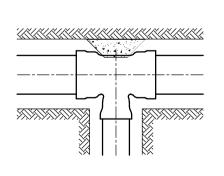
## SYMBOLS

o	Through dropper / Riser
>	BEND DOWN
	TEE UP
	TEE DOWN
1	GATE VALVE (GV)
J	NON RETURN VALVE (NRV)
	CONTROL VALVE (CV)
<b>/</b>	HYDRANT VALVE (HV)
	HOSE COCK (HC)
	WATER METER (WM)
	REDUCER
	SERVICE NAME SIZE
	FLOW DIRECTION
	2

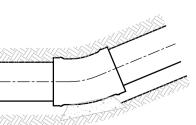
# ABBREVIATIONS

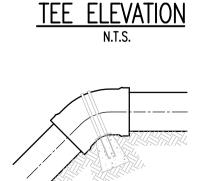
 $\longrightarrow$ 

Cu	COPPER
EX.	EXISTING
PVC	POLYVINYL CHLORIDE
RPZD	REDUCED PRESSURE ZONE DEVICE









## VERTICAL BEND-ELEVATION HORIZONTAL BEND-PLAN STANDARD THRUST BLOCK DETAIL

## NOTES:

- 1 ALL WORKS TO BE INSTALLED IN ACCORDANCE WITH LOCAL COUNCIL REQUIREMENTS & AS3500 NATIONAL PLUMBING & DRAINAGE CODE.
- 2 THE CONTRACTOR IS TO CONFIRM LOCATION & DEPTH OF EXISTING SERVICES ON SITE PRIOR TO CONSTRUCTION. IF ANY CONFLICT EXISTS NOTIFY BUILDER IMMEDIATELY. 3 THE CONTRACTOR IS TO CONFIRM EXISTING & PROPOSED SURFACE LEVELS PRIOR TO
- INSTALLATION OF PIPEWORK, SUMPS, MANHOLES, PITS, ETC. 4 ALL PIPEWORK WHICH IS TO BE FIXED IN CEILING SPACE, ON WALLS OR SUSPENDED UNDER FLOORS SHALL BE SUPPORTED WITH 'UNISTRUT' BRACKETING SYSTEM OR EQUAL. PIPEWORK IS NOT TO BE FIXED IN DIRECT CONTACT WITH BUILDING STRUCTURE
- 5 BACKFILLING BACKFILL SERVICE TRENCHES AS SOON AS POSSIBLE AFTER SERVICE HAS BEEN LAID AND BEDDED. PLACE THE BACKFILL IN LAYERS <150mm THICK AND COMPACT TO THE DENSITY WHICH APPLIES TO THE LOCATION OF THE TRENCHES TO MINIMISE SETTLEMENT.
- 6 BACKFILL MATERIAL GENERAL FILL WITH NO STONES GREATER THAN 25mm OCCURING WITHIN 150mm OF THE SERVICE UNDER ROADS AND PAVED AREAS AND WITHIN 4 METRES OF BUILDING: COARSE SAND, CONTROLLED LOW STRENGTH MATERIAL OR FINE CRUSHED ROCK. 7 ALL INGROUND COPPER RETICULATION PIPEWORK TO BE FITTED WITH POLYETHYLENE JACKET PRIOR
- TO INSTALLATION 8 ALL HOSE COCKS TO BE PROVIDED WITH VACUUM BREAK VALVES EQUAL TO WATTS/RMC HCVB (AQUAGUARD)
- 9 EXISTING SERVICES HAVE BEEN PLOTTED FROM SUPPLIED DATA, GLENN HAIG & PARTNERS & THE SUPERINTENDANT DO NOT GUARANTEE THEIR ACCURACY & IT IS THE PLUMBING CONTRACTORS RESPONSIBILITY TO ESTABLISH THE LOCATION OF ALL EXISTING SERVICES PRIOR TO COMMENCEMENT OF ANY WORK. CLEARANCES SHALL BE OBTAINED FROM THE RELEVANT AUTHORITY. LOCATION & NUMBERS ARE TO BE VERIFIED ON SITE.
- 10 ON COMPLETION OF PIPE INSTALLATION, ALL DISTURBED AREAS MUST BE RESTORED TO ORIGINAL CONDITION INCLUDING: KERBS. FOOTPATHS. CONCRETE AREAS. GRAVEL AREAS & ROAD PAVEMENTS.
- 11 CARE SHALL BE TAKEN WHEN EXCAVATING NEAR EXISTING SERVICES. EXCAVATE BY HAND IN THESE AREAS.
- 12 THE PLUMBING CONTRACTOR SHALL OBTAIN ALL AUTHORITY APPROVALS AND PAY ALL FEES 13 INVERT LEVELS SHOWN ARE INDICATIVE ONLY. CONFIRM ALL LEVELS ON SITE BEFORE COMMENCING CONSTRUCTION
- 14 SUPPLY AND INSTALL A FIRE HYDRANT SERVICE TO THE LOCATIONS SHOWN ON THE DRAWINGS. INCLUDE FOR ALL PIPING, FITTINGS, VALVES, AND HYDRANT VALVES TO THE LOCATIONS SHOWN ON THE DRAWINGS AND OTHER SUNDRY ITEMS OF EQUIPMENT AS REQUIRED FOR THE INSTALLATION. THE HYDRANT SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH AS 2419.1 AND THE BUILDING CODE OF AUSTRALIA PIPEWORK SHALL BE

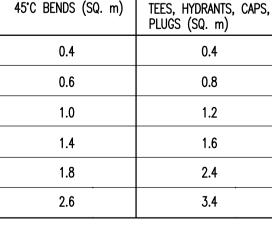
PEWORK SHALL	BF:	
OCATION	M	ATERIAL
GROUND	CL	ASS 16 & 18 MPVC S2 BLUE PIPE
	Gł	ALVANISED MILD STEEL PIPE AND FITTINGS:
	A.	SHALL BE IN CONFORMITY WITH HEAVY GRADE AS 1074
		ORDINARY SERVICE.
	B.	SHALL BE EQUAL TO TUBEMAKERS AUSTRALIA (ONE STEEL
		SHALL BE IN ACCORDANCE WITH AS 2419.1
		SHALL BE 3.04MM WALL THICKNESS FOR PIPE DIAMETER
		A MINIMUM OF 3.4MM FOR PIPE DIAMETERS GREATER THE
	E.	SHALL BE HOT DIPPED GALVANIZED INTERNALLY AND E
		ACCORDANCE WITH AS/NZS 4792 THE GALVANIZED C
		COATED MASS OF 300G/M2.
	F.	ARE TO BE CERTIFIED OR LISTED BY A TESTED AND CE
		BEING FIT FOR PURPOSE IN HYDRANT SYSTEMS IN ACCO
		2419.1
	G.	SHALL NOT BE ON-SITE WELDED OR MODIFIED.
	H.	
		COATING SHALL BE REPAIRED IN ACCORDANCE WITH AS 2
	I.	ANY DISTURBANCE OF THE PROTECTIVE COATING BY CU
		SHALL BE REPAIRED WITH A ZINC-RICH PRIMER OR
		AS/NZS 4792
	J.	SHALL BE SCREW JOINTED WITH APPROVED COMPOUN

- APPROVED GALVANISED ROLLED GROOVED COUPLING. K. SHALL BE POLYTEC COATED OR WRAPPED WITH APPROVED PROTECTIVE TAPE WHERE LOCATED UNDERGROUND.
- L. PIPE MARKING SHALL BE IN ACCORDANCE WITH AS 2419.1 15 HYDRANTS: SUPPLY AND INSTALL LANDING VALVE HYDRANTS IN APPROVED LOCATIONS WITH THE CENTRE OF THE VALVE 750-mm ABOVE FINISHED GROUND LEVEL. ALL EXTERNAL HYDRANTS SHALL BE DOUBLE HEADED PILLAR TYPE AND BE SUPPORTED AT THEIR BASE WITH A 600 X 600 X 150 CONCRETE BASE. 16 TESTING OF PIPEWORK TEST ALL PIPEWORK 1700 KPA FOR A PERIOD OF TWO HOURS IN ACCORDANCE WITH AS 2419.1.
- SATISFACTION OF THE FIRE BRIGADE AND THE SUPERINTENDENT. RECORD PRESSURE AND FLOW RESULTS AND ADVISE IN WRITING TO THE SUPERINTENDENT. 17 FORM 15: A FORM 15 - FLOW TEST SHALL BE UNDERTAKEN IN THE PRESENCE OF THE SUPERINTENDENT FLOW TESTS SHALL BE WITH TWO MOST HYDRAULICALLY DISADVANTAGED HYDRANTS OPERATING. ON COMPLETION OF THE FLOW TEST, SUPPLY THE SUPERINTENDENT WITH A FORM 15 AND FA CERTIFICATE WITH THE FOLLOWING ITEMS:
- FLOW RATE PRESSURE DATE TIME WITNESS NAME & SIGNATURE 18 BLOCK PLAN: A BLOCK PLAN SHALL BE PROVIDED AT THE BOOSTER LOCATION IN ACCORDANCE WITH AS2419.1 THE BLOCK PLAN IS TO INCORPORATE THE NEW SITE HYDRANT SERVICE. 19 TAGGING: ALL FIRE HYDRANTS SHALL BE TAGGED IN ACCORDANCE WITH AS 1851.4
- THE PLUMBING CONTRACTOR SHALL MAINTAIN THE FIRE HYDRANTS FOR 12 MONTHS AND SHALL NOTIFY THE SUPERINTENDENT THAT ALL FIRE HYDRANTS HAVE TO BE INSPECTED AND TAGGED IN ACCORDANCE WITH AS 1851.4 AN INSTALLATION LOG SHALL BE KEPT ON-SITE FOR THE FIRE HYDRANTS.
- 20 ALL CHANGES IN DIRECTION ON UPVC PIPEWORK TO BE PROVIDED WITH CONCRETE 20 MPg THRUST BLOCKS DESIGNED IN ACCORDANCE WITH AS3500 "ANCHORAGE BELOW GROUND"

<u>NOTE:</u> THRUST BLOCKS TO EXTEND

BEYOND EDGES OF TRENCH

**REDUCER-PLAN** 





THRUST BLOCK DETAILS FOR BLUE BRUTE PIPE

-FEET

	0.4	
	0.8	
	1.2	
	1.6	
	2.4	
	3.4	
		-
ESSURE AN		-

- STEEL TUBES AND TUBULARS FOR

ERS UP TO AND INCLUDING100MM AND HEN 100MM AND UP TO 150MM. EXTERNALLY AND AT THEIR ENDS IN COATING SHALL HAVE A MINIMUM ZINC

ERTIFIED BY A RECOGNISED BODY AS ORDANCE WITH CLAUSE 8.2.4.3 OF AS

DAMAGES THE GALVANIZED PROTECTIVE 2419.1 UTTING, ROLL GROOVING OR HANDLING OR EQUIVALENT IN ACCORDANCE WITH

JND FOR THE SERVICE OR PATENTED

21 ALLOW TO SUBMIT A SET OF AS BUILT DWGS TO THE CLIENT IN ELECTRONIC (CAD) FORMAT AT THE COMPLETION OF THE INSTALLATION

23.09.21	1	ISSUE FOR COUNCIL APPROVAL	A
DATE	No.	AMENDMENT	ISSUE

THESE DRAWINGS, NOTES AND SPECIFICATION ARE ISSUED AS A GENERAL ILLUSTRATION OF WORKS REQUIRED TO BE INSTALLED. THIS DOES NOT REMOVE THE LIABILITY OF THE CONTRACTOR TO ENSURE THAT THE WORKS ARE INSTALLED IN ACCORDANCE WITH THE BCA, AUSTRALIAN STANDARDS AND AUTHORITIES HAVING JURISDICTION. IT IS THE CONTRACTORS RESPONSIBILITY TO ENGAGE A THIRD PARTY CERTIFIER AFTER COMPLETION OF THE WORKS

> THIS DRAWING IS COPYRIGHT AND THE PROPERTY OF GLENN HAIG & PARTNERS

ARCHITECT DRA ARCHITECTS PTY LTD 133 PRINCE STREET. GRAFTON NSW 2460

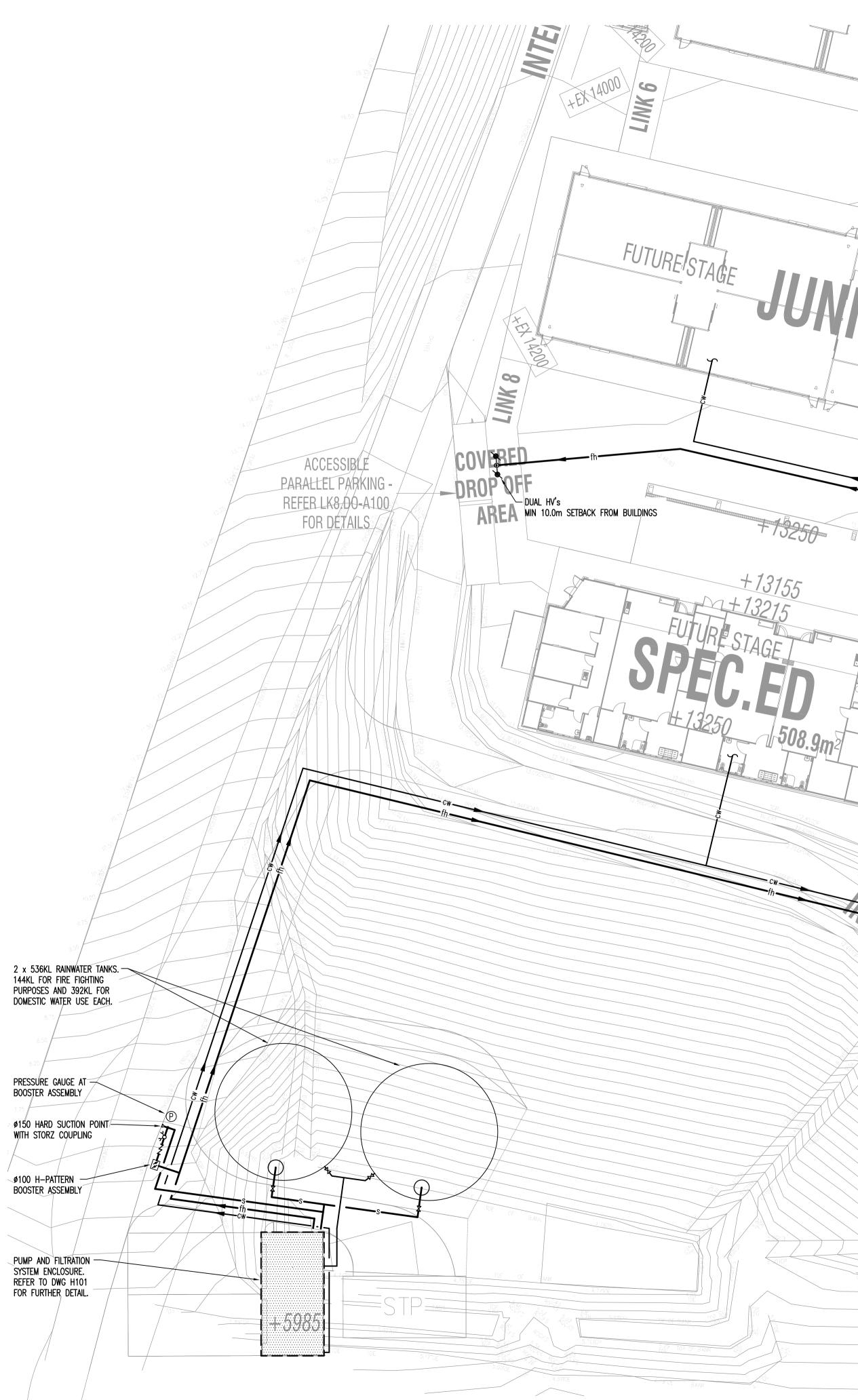
CLIENT COFFS HARBOUR CHRISTIAN COMMUNITY SCHOOL

PROJECT

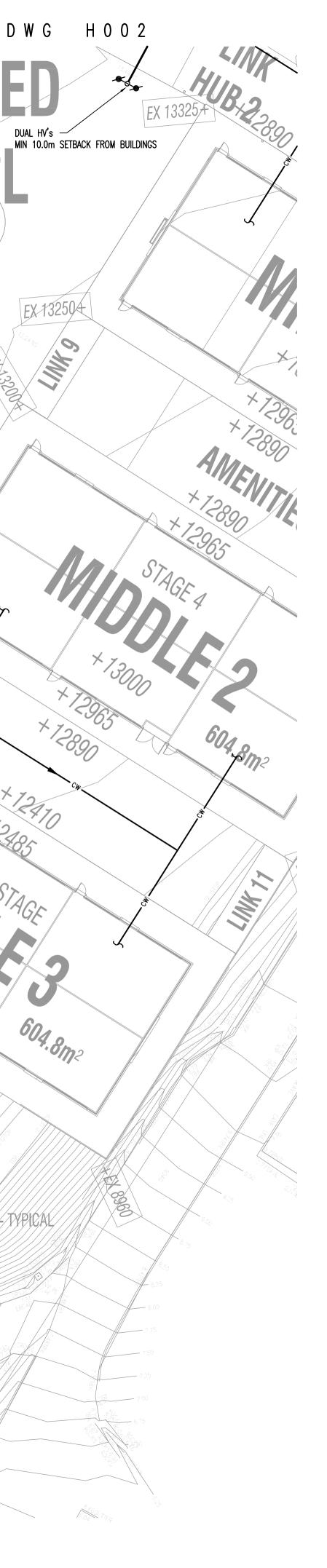
NEW JUNIOR CAMPUS LOT 2, DP 1194621 BONVILLE STATION ROAD, BONVILLE NSW 2450



Date : APR 202	Drawn	: DM
Scales :	Checke	ed :
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Job No. :	Cad File No. :	Drawing No. :
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FOR CONTINUATION REFER TO DWG HOO2 12004 + 13820 CULATION <sup>Th</sup> 1041.1m<sup>2</sup> The PROPOSED COLD WHER RETICULAT SCHOOL -13785 +13710 LOT 1 13490 EX 132504 +13565 DP 1029853 + **13490** + EX 13500 CIM13 EX 13 AMENITIES STORE +13600 1040.6m² +13565 +13490 EX 13250A 2 -IMM CULATION + 12470 Cold water supply to — Building (typical) + 12890 PROPOSED COLD WATER RETICULATION PROPOSED FIRE HYDRANT SERVICE RETICI FUTURE + 12470 SKATE \* + 12485 SCOOTER BIKE PARK +12910 939 sqm 12485 + 72470 604.8m2 





23.09.21	1	ISSUE FOR COUNCIL APPROVAL	A
DATE	No.	AMENDMENT	ISSUE

A THIRD PARTY CERTIFIER AFTER COMPLETION OF THE WORKS

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COFFS HARBOUR CHRISTIAN

BONVILLE STATION ROAD, BONVILLE NSW 2450

& PARTNERS

HYDRAULIC + FIRE CONSULTANTS

office@glennhaig.com.au

HYDRAULIC SERVICES

SITE PLAN – PART 1

Cad File No. :

213376H001

**GLENN HAIG** 

S**ydney** P: 02 9310 1352

SURRY HILLS, NSW, 2010

NG

GH

Drawing No.

H001

PO Box 689

Drawn :

Checked :

COMMUNITY SCHOOL

DRA ARCHITECTS PTY LTD

133 PRINCE STREET,

GRAFTON NSW 2460

NEW JUNIOR CAMPUS LOT 2, DP 1194621

ARCHITECT

CLIENT :

PROJECT :

**Coffs Harbour** P: 02 6658 2444 PO Box 192

TITLE :

Date :

Scales :

Job No.

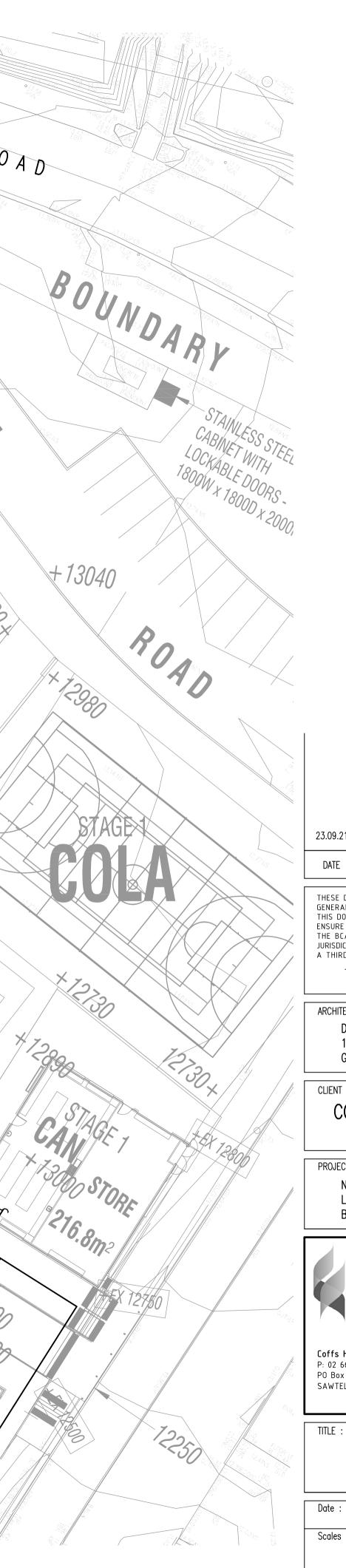
213376

SAWTELL, NSW, 2452

APR 2021

1:250 @ A1

BOUNDARY BONVILLE STATION BOUNDARY SETBACK ROAD XONS PEDESTRIAN SITE ACCESS 1:40 SLOPE 13290 1335 DA CARPARK ACCESSIBLE PARALLEL PARKING -REFER CW-A100 FOR DETAILS 13620 COVERED WAITING TEX 13850 GAMES COURT +13115 EX 13300-1 12000+ 12930 COLA STAGE 2 Et 73730 LIBRARY 1535 EREP90+ STAGE DUAL HV's MIN 10,0m SETBACK FROM BUILDINGS +13370 ENTRY LFX 13250 751.6m<sup>2</sup> OUNDARY SETBACK × 12980 250SQM STAGE 2 +13260 + 13325 LINK sγ. 4200 ↓ 527.3m LINK EX 13500-MH2 / X y 12730 +1333513290-<u>5X</u>75 HUB - COLD WATER SUPPLY TO BUILDING (TYPICAL) 13260 WTERNAL ROAD +13710 +13785 MINI SOCCER +12810 -HUB-2-28901 CULATION 1041.1m<sup>2</sup> +EX14000 EX 13325 LINK 6 DUAL HV's \_\_\_\_\_ \_\_\_MIN 10.0m SETBACK FROM BUILDINGS PROPOSED COLD MATER RETIC SCH 13710 LINK3 3500 N LOT 13490 FUTURE/ST' 1 100 AGE EX 132504 **DP 1029853** 13565 AGF ~89g 13490 LINKS EX 1320 HEX 13500 13000 AMENITIES RO 12965 STORE +13600 + 72890 680.7m2 1040.6m² AMENITIES 13565 1340n CONTINUATION REFER DWG FOR ΤΟ H 0 0 1





Cad File No. :

213376H002

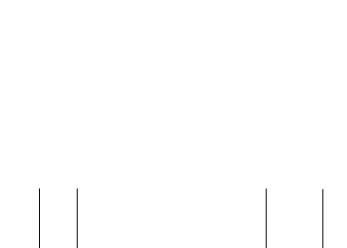
Job No.

213376

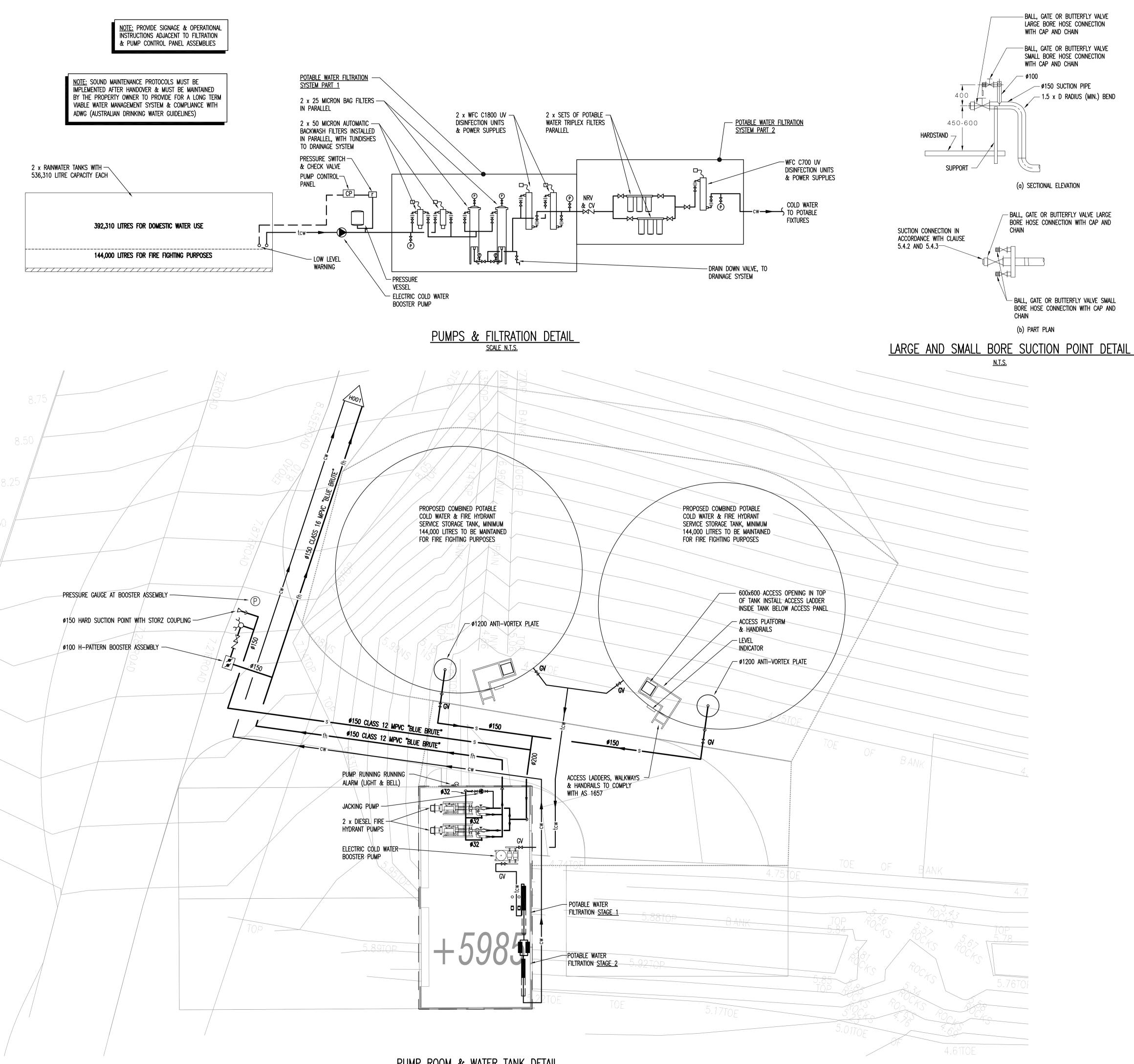
Drawing No.

H002

23.09.21	1	ISSUE FOR COUNCIL APPROVAL	A
DATE	No.	AMENDMENT	ISSUE







PUMP ROOM & WATER TANK DETAIL

<u>SCALE 1:100</u>



23.09.21	1	ISSUE FOR COUNCIL APPROVAL	A
DATE	No.	AMENDMENT	ISSUE
THESE DRAWINGS NOTES AND SPECIFICATION ARE ISSUED AS A			

DATE	No.	AMENDMENT	ISSUE	
THESE DRAWINGS, NOTES AND SPECIFICATION ARE ISSUED AS A GENERAL ILLUSTRATION OF WORKS REQUIRED TO BE INSTALLED. THIS DOES NOT REMOVE THE LIABILITY OF THE CONTRACTOR TO ENSURE THAT THE WORKS ARE INSTALLED IN ACCORDANCE WITH THE BCA, AUSTRALIAN STANDARDS AND AUTHORITIES HAVING JURISDICTION. IT IS THE CONTRACTORS RESPONSIBILITY TO ENGAGE A THIRD PARTY CERTIFIER AFTER COMPLETION OF THE WORKS				
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COFFS HARBOUR CHRISTIAN

COMMUNITY SCHOOL

DRA ARCHITECTS PTY LTD 133 PRINCE STREET, GRAFTON NSW 2460

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DATE	No.	AMENDMENT	ISSUE

BONVILLE STATION ROAD, BONVILLE NSW 2450			
GLENN HAIG & PARTNERS			
HYE	)RAULIC + FIRE COI	NSULTANTS	
<b>Coffs Harbour</b> P: 02 6658 2444 PO Box 192 SAWTELL, NSW, 2452		S <b>ydney</b> P: 02 9310 1352 PO Box 689 SURRY HILLS, NSW, 2010	
office@glennhaig.com.au			
TITLE :	TITLE : HYDRAULIC SERVICES		
DETAIL SHEET			
Date : Drawn : NG			
Scales : Checked :		ed :	
AS SHOWN @ A1 GH			
Job No. :	Cad File No. :	Drawing No. :	
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