

## TREATMENT PLANT APPROVAL 02/2021

### *Plumbing and Drainage Act 2018*

#### Approval

1. The **Concrete/Poly Aqua Advanced (8EP/1200L)** (“the system”) described in the Specifications and Drawings in the attached Schedule and manufactured by **Everhard Industries Pty Ltd** (“the manufacturer”) (ABN 41 009 690 859) has been assessed in accordance with the Queensland Plumbing and Wastewater Code (QPW Code) dated 26 March 2019.
2. Approval is granted for the advanced secondary quality wastewater treatment system, subject to compliance by the manufacturer with the requirements of the *Plumbing and Drainage Regulation 2018*, and the conditions of approval detailed below.
3. This approval, the conditions of approval and the Schedule comprise the entire Treatment Plant Approval document.
4. Any modification by the manufacturer to the design, drawings or specifications scheduled to this approval must be approved by the Chief Executive.

#### Conditions of approval

5. The manufacture, installation, operation, service and maintenance of the systems must be in conformity with the conditions of this Treatment Plant Approval.
6. The system when tested by a certification accreditation body in accordance with AS1546.3:2017 was found to comply with the advanced secondary 8EP/1200L level without nutrient reduction effluent criteria and must continue to meet the following requirements:

**TABLE 2.1 (AS1546.3:2017)**  
**EFFLUENT COMPLIANCE CRITERIA**  
**FOR AN STS WITH NO NUTRIENT**  
**REDUCTION FACILITIES**

Parameter	Secondary effluent		Advanced secondary effluent	
	90% of samples	Maximum	90% of samples	Maximum
BOD <sub>5</sub>	≤20 mg/L	30 mg/L	≤10 mg/L	20 mg/L
TSS	≤30 mg/L	45 mg/L	≤10 mg/L	20 mg/L
<i>E. coli</i> *	≤10 cfu/100 mL	30 cfu/100 mL	≤10 cfu/100 mL	30 cfu/100 mL
FAC	Minimum 0.5 mg/L†	N/A	Minimum 0.5 mg/L†	N/A
Turbidity	N/A	N/A	N/A	5 NTU

\* Where disinfection is required.

† Minimum level, not 90% of samples.

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Delegated Authority  
Department of Housing & Public Works

7. Each system must be serviced in accordance with the accreditation certificate by Global Certification Pty Ltd on 29 September 2020, and details supplied in the owner's operation and maintenance manual.
8. Each system must be supplied with —
  - (a) a copy of this Treatment Plant Approval document;
  - (b) details of the system;
  - (c) instructions for authorised persons for its installation;
  - (d) a copy of the owner's manual to be given to the owner at the time of installation; and
  - (e) detailed instructions for authorised service personal for its operation and maintenance.
9. At each anniversary of the Treatment Plant Approval date, the supplier must submit to the Chief Executive a list of all systems installed in Queensland during the previous 12 months. Where the Chief Executive is notified of any system failures the Chief Executive may randomly select a number of installed systems for audit. The Chief Executive will notify the supplier's nominated NATA accredited laboratory which systems are to be audited for BOD<sup>5</sup> and TSS. The sampling and testing of selected systems, if required, is to be done at the supplier's expense. The following results must be reported to the Chief Executive;
  - (a) Address of premises;
  - (b) Date inspected and sampled;
  - (c) Sample identification number;
  - (d) BOD<sup>5</sup> for influent and effluent; and
  - (e) TSS for influent and effluent.
10. The Chief Executive may, by written notice, cancel this approval if the manufacturer/supplier fails —
  - (a) to comply with one or more of the conditions of approval; or
  - (b) within 30 days, to remedy a breach, for which a written notice been given by the Chief Executive.
11. This approval may only be assigned with the prior written consent of the Chief Executive.
12. This approval expires on 27 January 2026 unless cancelled earlier in accordance with paragraph 10 above.

Lindsay Walker

**Director  
Plumbing, Drainage and Special Projects  
Building Legislation and Policy**

Date approved: 28 January 2021

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**Facsimile** +61 7 3237 1248

**Website** [www.hpw.qld.gov.au](http://www.hpw.qld.gov.au)

ABN 61 331 950 314

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Delegated Authority

Department of Housing & Public Works

**TREATMENT PLANT APPROVAL No. 02/2021**  
*Plumbing and Drainage Act 2018*

**SCHEDULE**

**Attachment 1**

Drawings and Specifications for the

**Concrete/Poly Aqua Advanced (8EP/1200L)**

**Treatment Plant Approval**

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# PRODUCT CERTIFICATE OF REGISTRATION



## Global Certification Pty Ltd

Number 632

Product Performance Testing

**AS 1546.3:2017**

**Advanced Secondary 1200 L/day or 8EP Level**

Issued to

**Everhard Industries Pty Ltd**

454 Newman Road Geebung Qld 4034

**Certification Date: - 29<sup>th</sup> September 2020**

**Expiry Date: - 28<sup>th</sup> September 2025**

**Product Certified:**

Model	Disinfection	Average Results over the Test Period	Servicing Frequency	Discharge	Manufactured and assembled
Aqua Advanced Poly and Aqua Advanced Concrete	Yes	TSS 5.4 mg/l BOD <sub>5</sub> 1.25mg/l Turbidity 7.6NTU E coli 0.2 CFU/100ml	3 Monthly Service  3.3 yearly sedimentation pump out or as required	Pumped via disinfection/pump chamber with chlorine dispenser	Manufactured and Assembled: At 454Newman Road Geebung Qld 4034 using certified tanks to AS/NZS 1546.1:2008

**The system took 4 weeks to meet the advanced secondary standard.  
It is serviced 3 monthly.**

**NACE CODES: 3700**

*This Certificate of Conformance to the Product Certificate Scheme for "Domestic Wastewater Treatment Units (Septic Tanks) and Rainwater Tanks" remains the property of Global Certification Pty. Ltd. and is granted subject to the terms and conditions of the Contract Application, in respect of the Product certified on this page and the attached schedule to the Certification of Conformance, bearing the same number as this certificate.*

Date of Issue: 29<sup>th</sup> September 2020 **Bruce Smith Director**



[www.jas-anz.com.au/register](http://www.jas-anz.com.au/register)

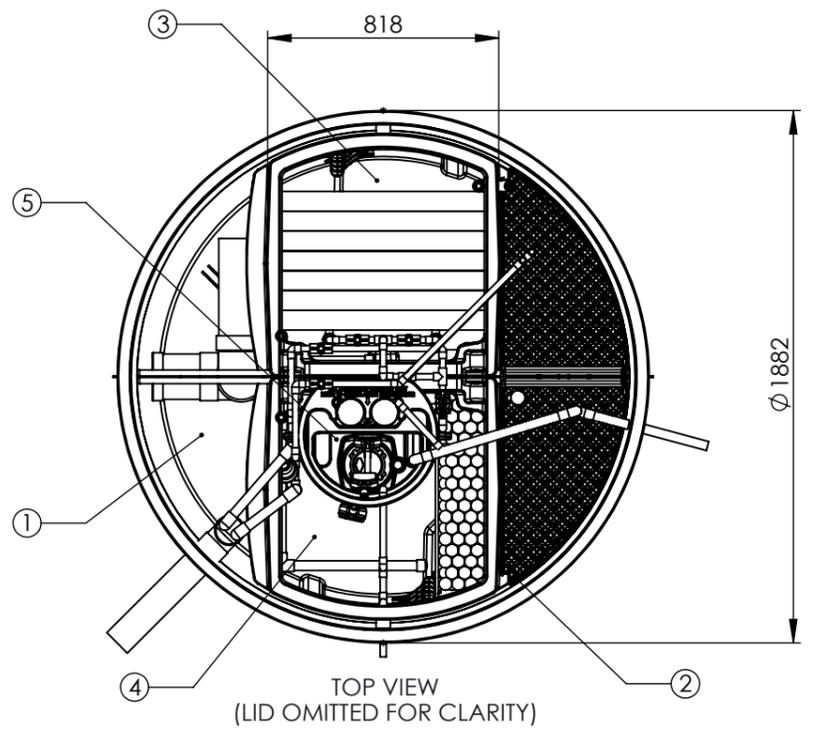
Signed for and on behalf of Global Certification Pty Ltd  
PO Box 953 Belconnen ACT 2616

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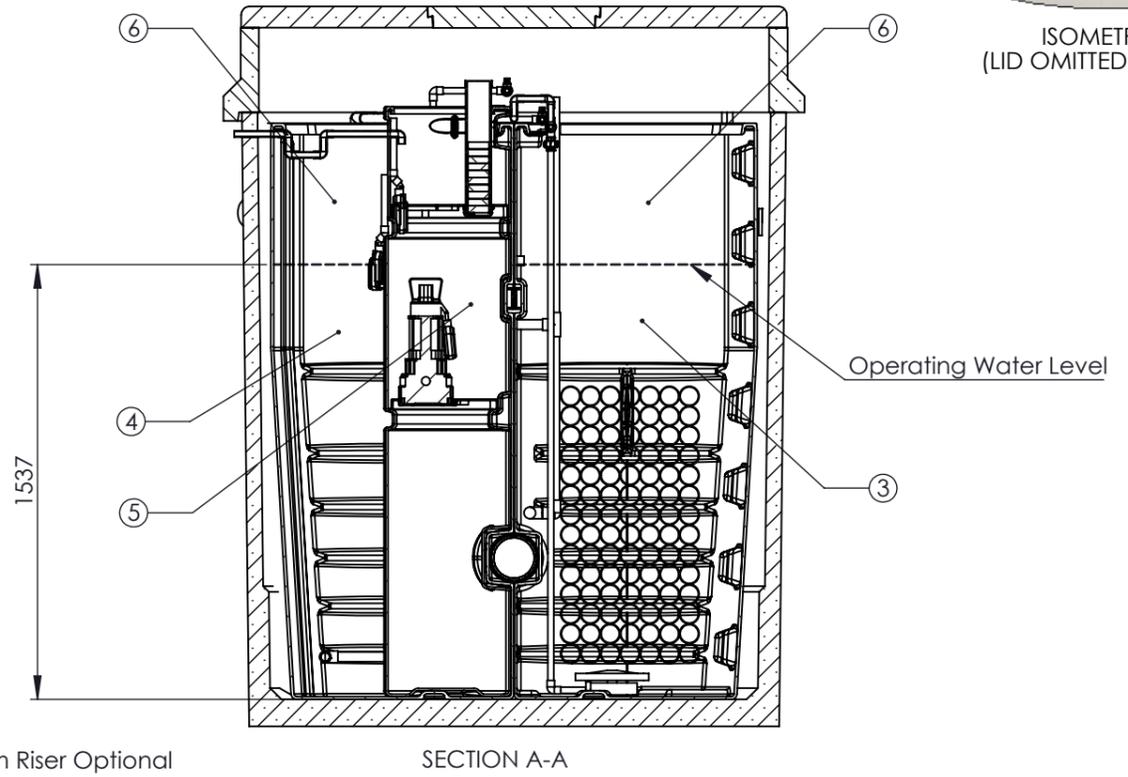
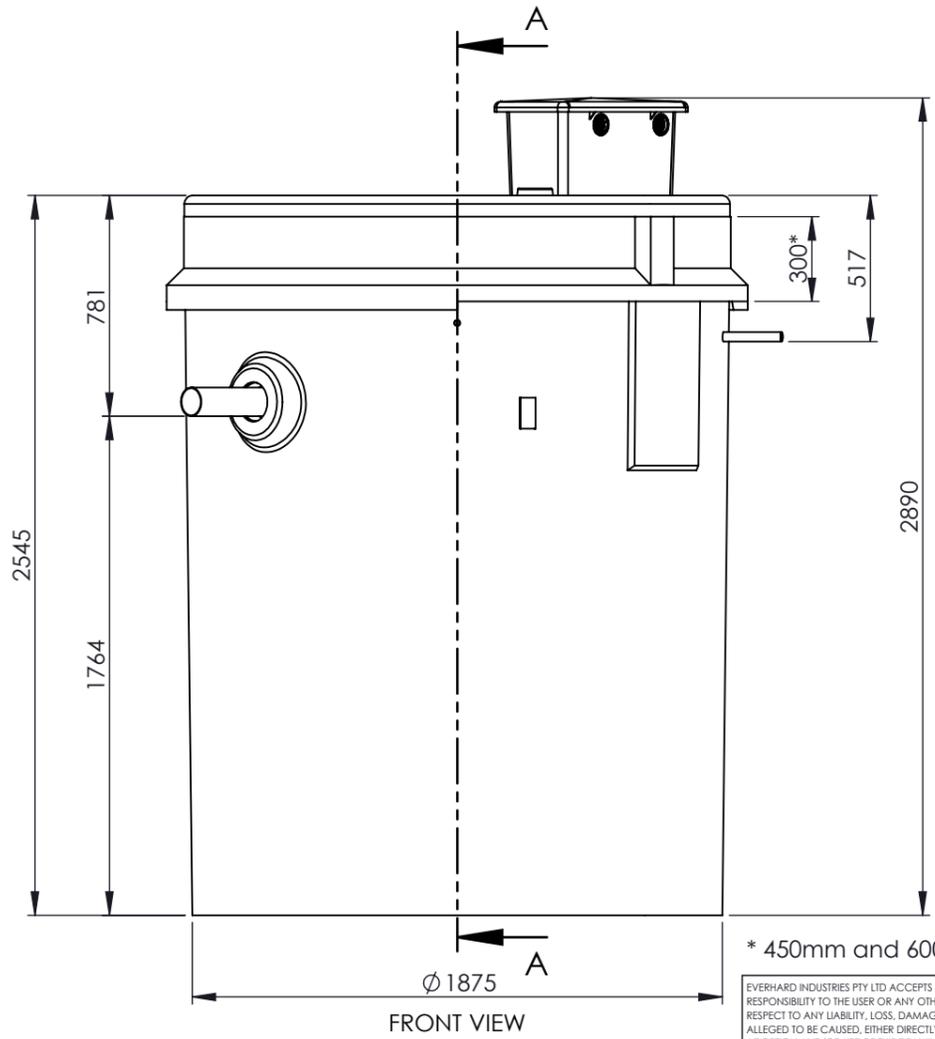
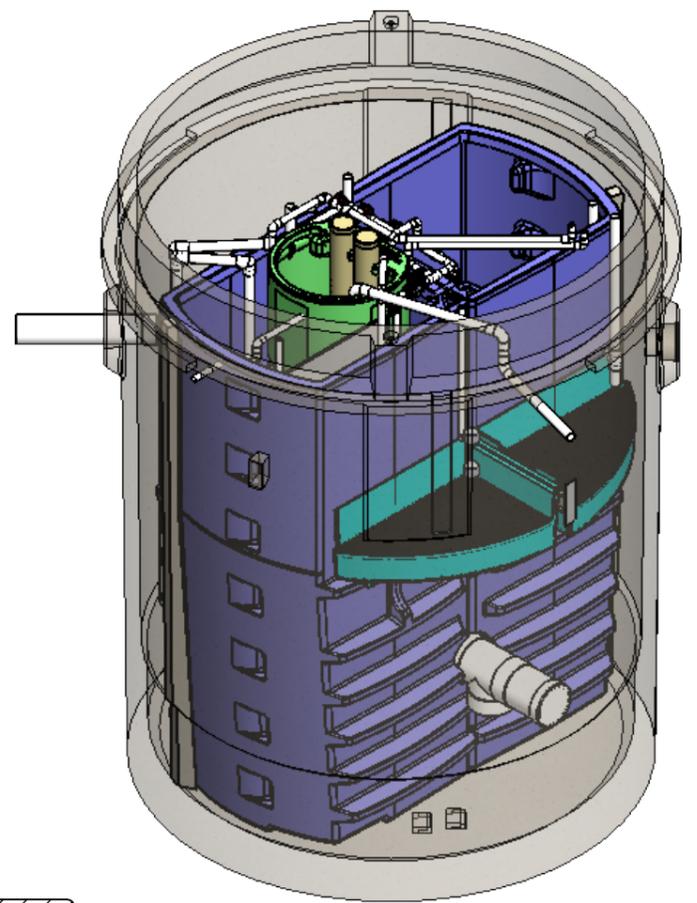
**Treatment Plant Approval**  
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Regulatory Authority  
Department of Housing & Public Works



Chamber	Volume
1 Primary 1	915 L
2 Primary 2	848 L
3 Aeration	942 L
4 Clarification	671 L
5 Disinfection / Irrigation	253 L
6 Emergency	1142 L



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\* 450mm and 600mm Riser Optional

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**EVERHARD INDUSTRIES**  
 Everything Water  
 454 NEWMAN ROAD  
 GEEBUNG, QLD, 4034  
 PH : ( 07 ) 3637 6444  
 FAX : ( 07 ) 3265 2111

DO NOT SCALE DRAWING  
 UNLESS OTHERWISE SPECIFIED:  
 DIMENSIONS ARE IN MILLIMETERS  
 THIRD ANGLE PROJECTION  
 DEBUR AND BREAK SHARP EDGES  
 SURFACE FINISH:

TOLERANCES:  
 XX = ±2  
 X.X = ±0.2  
 X.XX = ±0.02

PROJECT:  
**Aqua Advanced**  
 TITLE:  
**Concrete System Assembly**

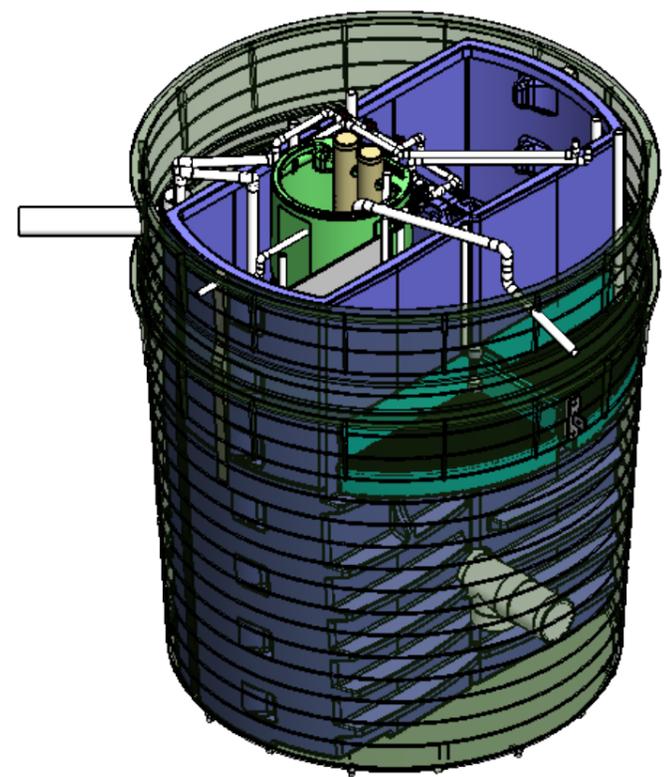
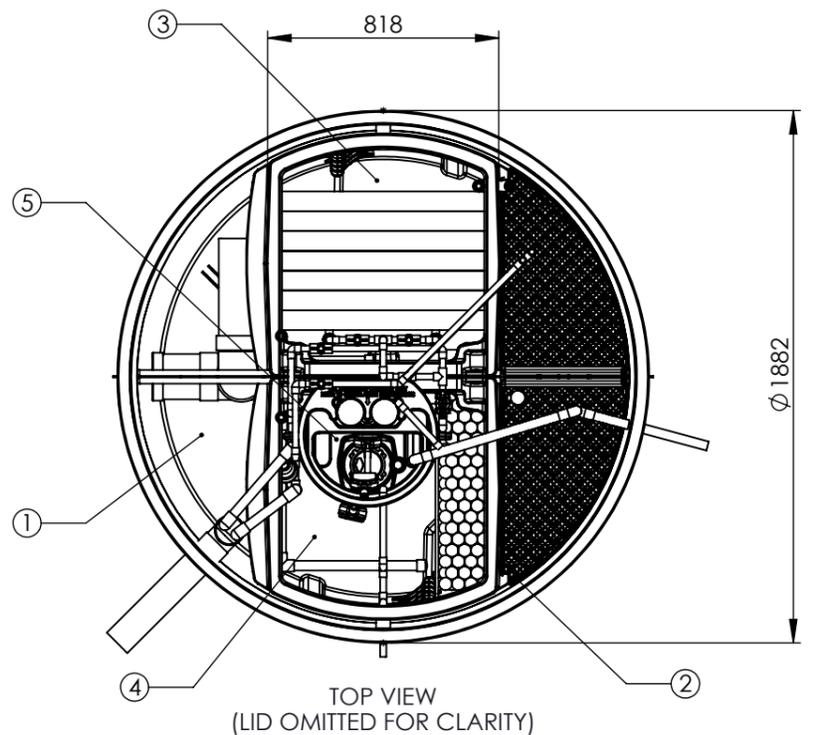
NAME	SIGNATURE	DATE	MATERIAL:
DRAWN K.Smerdon		15/09/2020	Concrete
CHK'D R.Tomlinson		23/09/2020	
APP'V'D			

ESTIMATED WEIGHT: kg

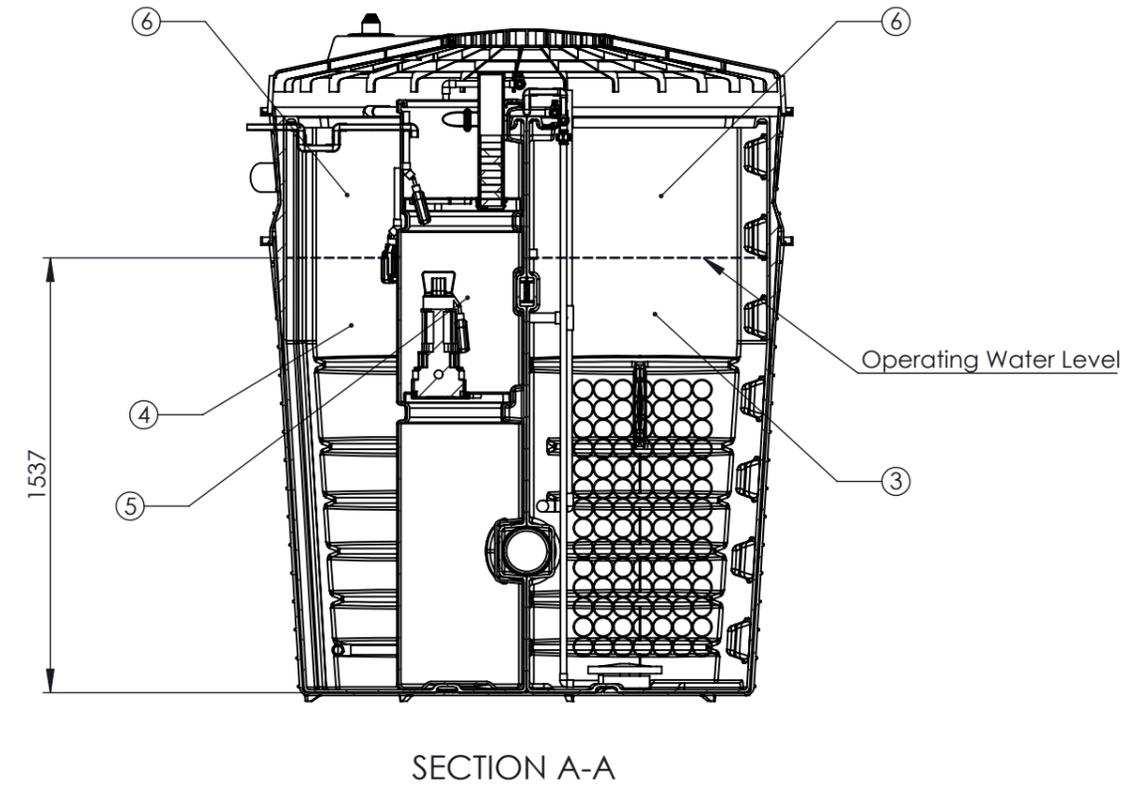
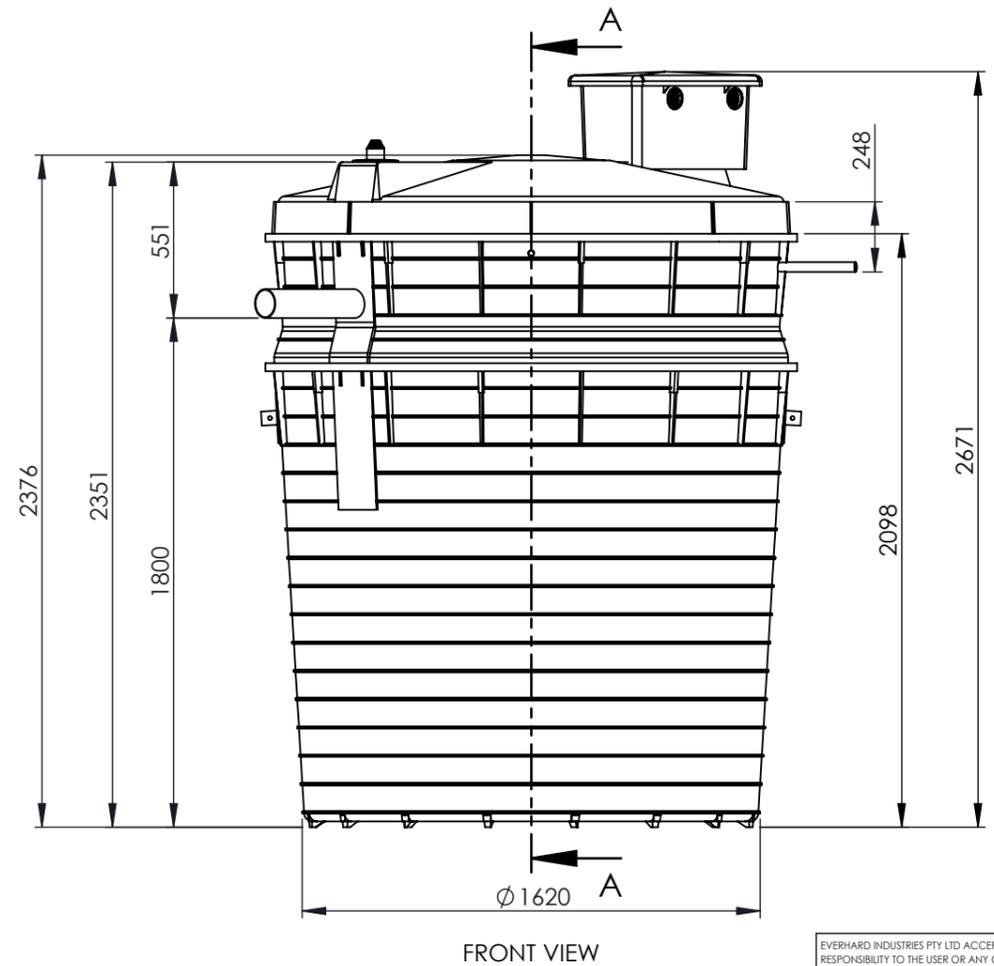
DWG NO.	REVISION
<b>C07585</b>	<b>0</b>

PRODUCT CODE: SHEET 1 OF 1 SCALE: 1:25

Chamber	Volume
1 Primary 1	714 L
2 Primary 2	661 L
3 Aeration	942 L
4 Clarification	671 L
5 Disinfection / Irrigation	253 L
6 Emergency	1086 L



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NAME	SIGNATURE	DATE	MATERIAL:
DRAWN K.Smerdon		15/09/2020	Polypropylene
CHK'D R.Tomlinson		23/09/2020	
APPV'D			ESTIMATED WEIGHT: kg

PROJECT: <b>Aqua Advanced</b>		REVISION <b>0</b>
TITLE: <b>Polymer System Assembly</b>		
DWG NO. <b>P07584</b>	PRODUCT CODE:	SCALE: 1:25
SHEET 1 OF 1	SCALE: 1:25	A3