



Certificate of Accreditation

Sewage Management Facility

Concrete Septic Tanks & Collection Wells

This Certificate of Accreditation is issued by the Secretary of the NSW Ministry of Health pursuant to Clause 41(1) of the Local Government (General) Regulation 2021.

Manufacturer: Eco-Septic Pty Ltd t/a Econocycle

Of: 65 Warradale Road, Warragamba, NSW, 2752

The concrete Eco-Septic Septic Tanks and Collection Wells as described in the following Schedule have been accredited as sewage management facilities for use in single domestic premises in NSW.

*Director, Environmental Health
for Secretary (delegation PH335)*

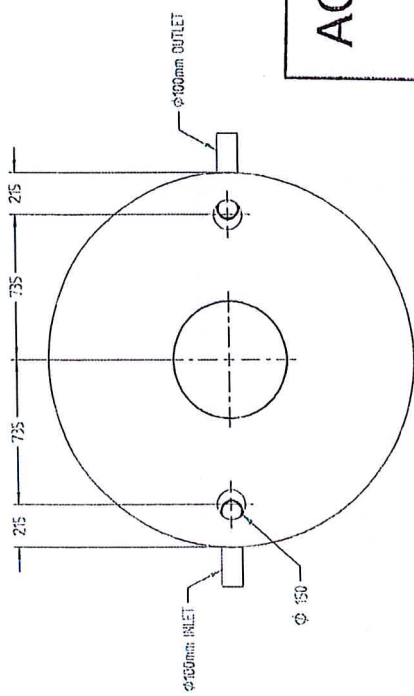
Issued: 11/8/2022
Certificate No: STCW037A
Expires: 31 December 2025



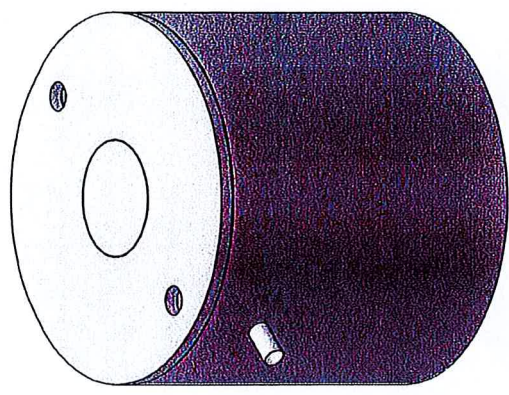
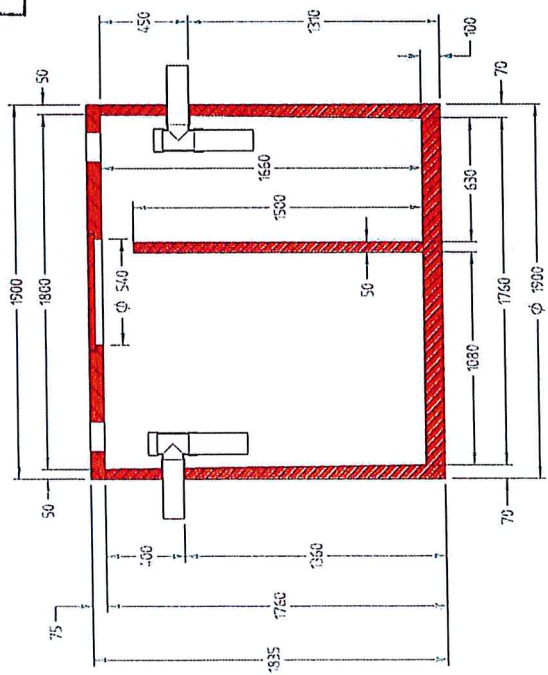
Accreditation Schedule

*The Certificate of Accreditation applies to the following
Concrete Septic Tanks and Collection Wells*

Model	Description	Size
Septic Tank	Vertical axis type cylindrical precast steel fibre reinforced concrete, with partitions, lid, access cover, and inlet and outlet fittings. Burial depth of all tank lid is restricted to 500 mm	2,800 L 3,150 L 3,600 L 4,500L 5,500L 7,000L
Collection Well	Vertical axis type cylindrical precast steel fibre reinforced concrete. Certification applies only to the construction of the tank, lid, access cover and inlet fitting. It does not include the internal fittings or partitions. Burial depth of all tank lid is restricted to 500 mm	3,250 L 3,750 L 4,500L 5,500L 7,000 L 7,000 L flat/side 7,300 L 7,300 L flat/side 8,000L 9,000L 10,000L
Combined Septic Tank/ Collection well	Vertical axis type cylindrical precast steel fibre reinforced concrete. Certification applies only to the construction of the tank, lid, access cover and inlet fitting. It does not include the internal fittings or partitions.	7100 L



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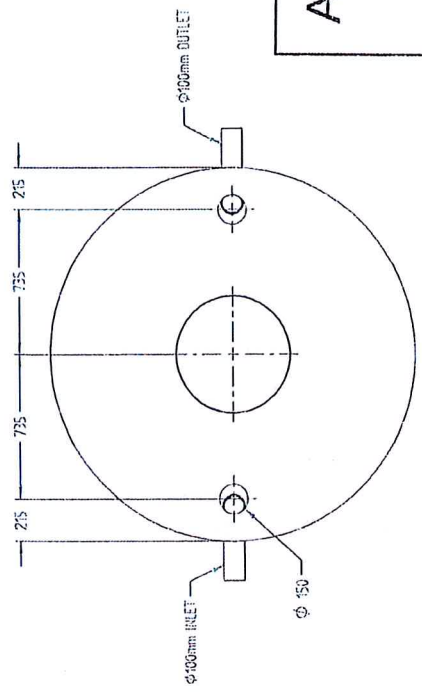


- NOTES**
1. SEPTIC TANKS TO BE MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546.1/1998 ON-SITE DOMESTIC WASTEWATER TREATMENT UNITS PART 1 SEPTIC TANKS
 2. CONCRETE STRENGTH $f_{ck} = 40\text{MPa}$, SLUMP = 100mm, MAX. AGGREGATE SIZE = 10mm
 3. CONCRETE TO BE VIBRATED TO ENSURE THE MOULD IS FILLED WITH WELL COMPACTED CONCRETE
 4. TANKS TO BE REINFORCED WITH BHP FIBRE STEEL - 184EE OR EQUIVALENT, MIXED AT A RATE OF 75kg/m³ OF CONCRETE
 5. LIFTING HOOKS TO BE REID SWIFT LIFTS 4 x 25 TONNE ANCHORS TO BE CAST INTO THE BASE OF THE TANK, 3 x 13 TONNE ANCHORS TO BE CAST INTO THE TANK LIDS

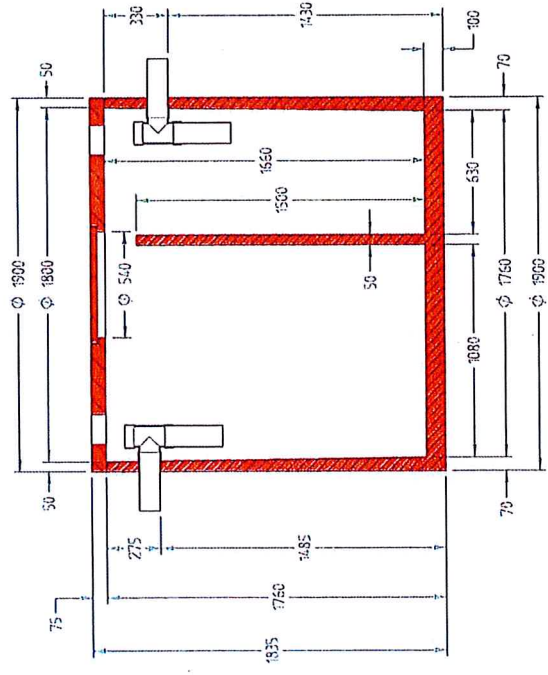
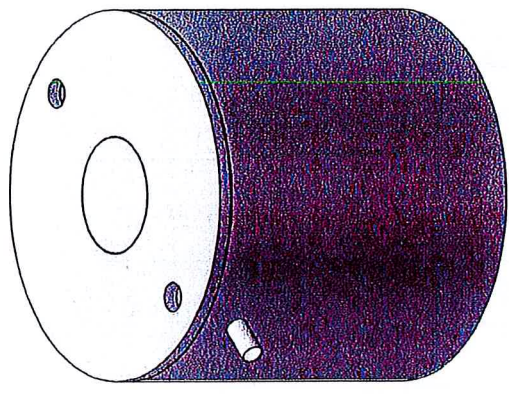
		PROJECT: SEPTIC TANK		SHEET SIZE: A3	
		TITLE: 2800L CONCRETE TANK ASSY NSW HEALTH CERTIFICATION DRAWING		REVISION: B.1 1 OF 1	
ALL DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED		DATE: 10/09/2013		CONTINENTAL	
SCALE: DO NOT SCALE DRAWN BY: P. McKEY CHECKED BY: P. McKEY PROJECT MANAGER BY: P. McKEY		DATE ISSUED BY: 10/09/2013 DRAWN BY: P. McKEY CHECKED BY: P. McKEY PROJECT MANAGER BY: P. McKEY		SHEET No. B.1 OF 1	

101	20/09/21	DESIGN	NSW HEALTH
102	20/09/21	CHECKED	NSW HEALTH
103	20/09/21	APPROVED	NSW HEALTH
104	20/09/21	DATE	10/09/2013

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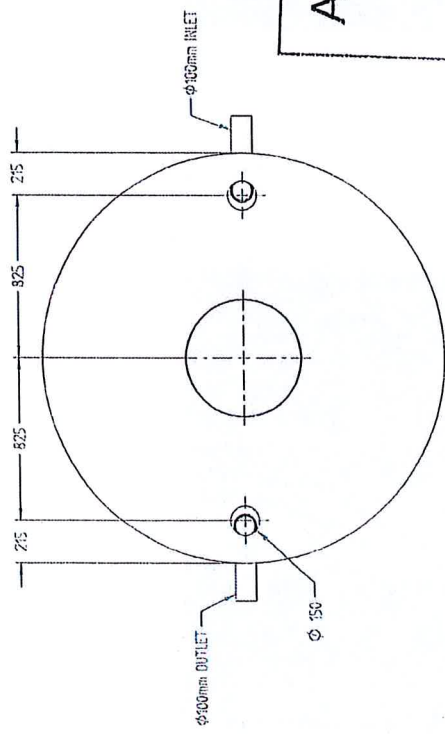


- NOTES**
1. SEPTIC TANKS TO BE MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546:1998 ONSITE DOMESTIC WASTEWATER TREATMENT UNITS PART 1 SEPTIC TANKS
 2. CONCRETE STRENGTH: F_c = 40MPa, SLUMP = 100mm, MAX. AGGREGATE SIZE = 10mm
 3. CONCRETE TO BE VIBRATED TO ENSURE THE MOULD IS FILLED WITH WELL COMPACTED CONCRETE
 4. TANKS TO BE REINFORCED WITH BHP FIBRE STEEL - 1842E OR EQUIVALENT, MIXED AT A RATE OF 75kg/m³ OF CONCRETE
 5. LIFTING HOOKS TO BE RED SHIFT LIFTS 4 x 25 TONNE ANCHORS TO BE CAST INTO THE BASE OF THE TANK, 3 x 43 TONNE ANCHORS TO BE CAST INTO THE TANK LIDS

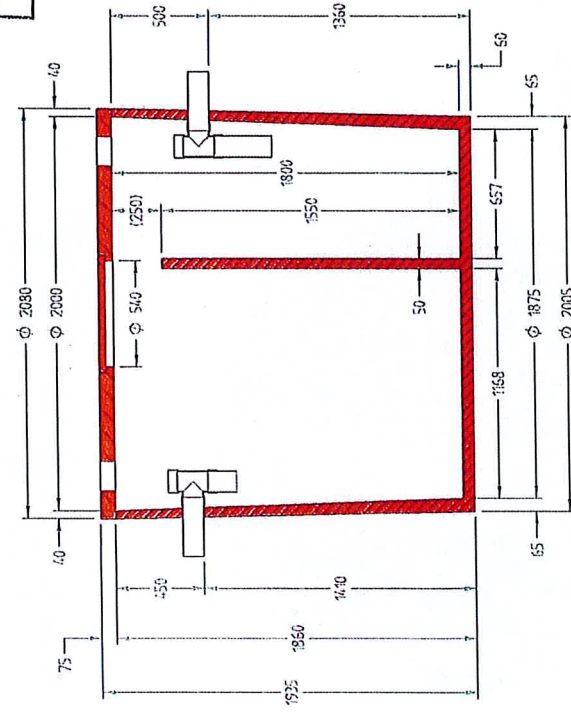
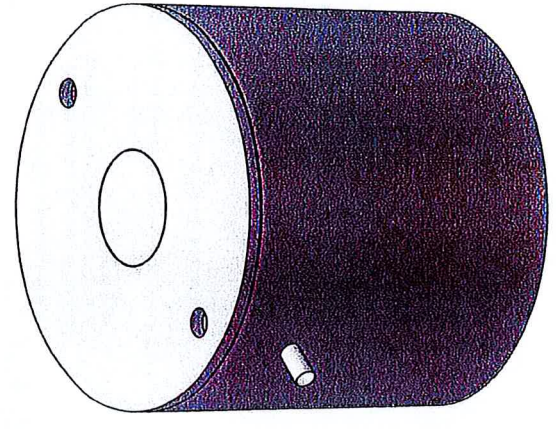
		SEPTIC TANK	
	PROJECT TITLE 3'50L CONCRETE TANK ASSY NSW HEALTH CERTIFICATION DRAWING	DATE 10/09/2023	SHEET NO. A3
SCALE DO NOT SCALE	DESIGNED BY P. MCKAY	DATE 10/09/2023	REVISION B.1 10F.1
COPYRIGHT ECONOCYCLE ALL RIGHTS RESERVED NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT PERMISSION IN WRITING FROM ECONOCYCLE	ISSUED BY P. MCKAY	PROJECT NO. 124_1310	SHEET NO. 10F.1

REV	DESCRIPTION	ISSUED BY	DATE
1	ISSUED FOR REVIEW	P. MCKAY	10/09/2023
2	ISSUED FOR REVIEW	P. MCKAY	10/09/2023


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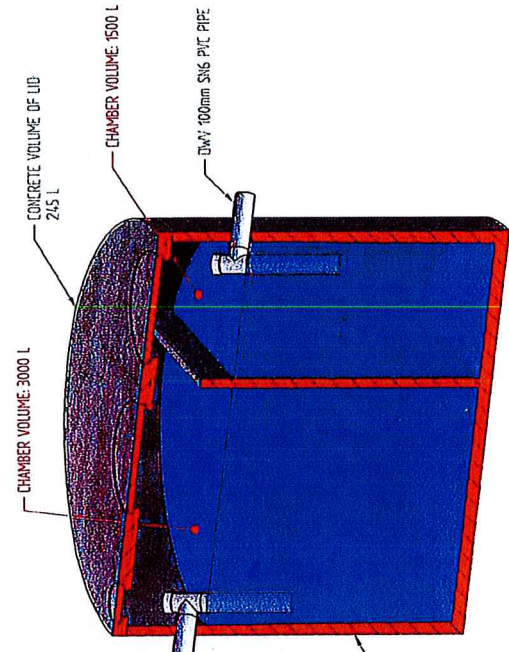
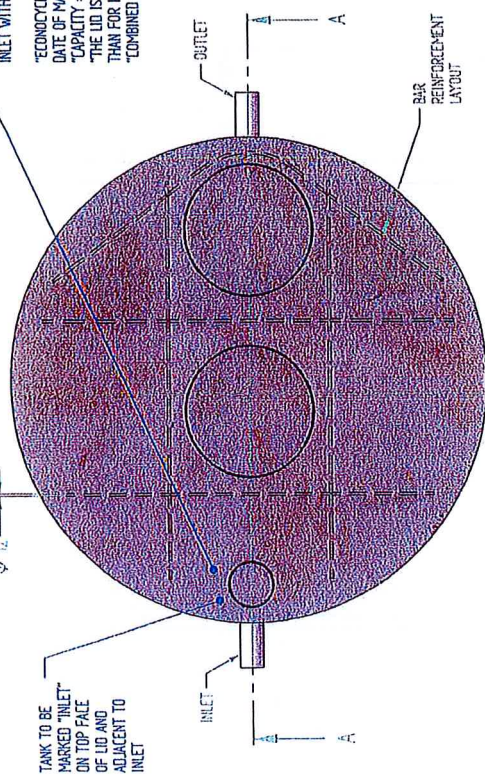
- NOTES:**
1. SEPTIC TANKS TO BE MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546.1:2008
 2. CONCRETE STRENGTH = 40MPa
 3. CONCRETE TO BE VIBRATED TO ENSURE WELL COMPACTED CONCRETE
 4. TANKS TO BE REINFORCED WITH FIBRE STEEL
 5. LIFTS TO BE 'REID SWIFT LIFTS' * x 2.5 TONNE FOOT ANCHORS CAST INTO BASE OF THE TANK, 3 x 1.3 TONNE ANCHORS CAST INTO TANK LIDS

		PROJECT: SEPTIC TANK	
DATE: 10/09/2018		SHEET NO: A3	
DRAWN BY: P. MCKAY		REVISION: B.1 10F.1	
CHECKED BY: P. MCKAY		DATE: 124_1510	
PROJECT: 124_1510		SCALE: B.1 10F.1	
DESIGNED BY: P. MCKAY		PROJECT: 124_1510	
DRAWN BY: P. MCKAY		SCALE: B.1 10F.1	
CHECKED BY: P. MCKAY		DATE: 124_1510	
PROJECT: 124_1510		SCALE: B.1 10F.1	

REV	DATE	DESCRIPTION	BY
01	10/09/2018	ISSUE FOR REVIEW	P. MCKAY
02	10/09/2018	ISSUE FOR REVIEW	P. MCKAY
03	10/09/2018	ISSUE FOR REVIEW	P. MCKAY

TANK ALSO TO BE MARKED ON TOP FACE OF LID AND ADJACENT TO INLET WITH:

- "ECONOCYCLE"
- DATE OF MANUFACTURE
- "CAPACITY = 4500L"
- "THE LID IS NOT TO BE LOADED OR COVERED IN ANY WAY OTHER THAN FOR INSPECTION"
- "COMBINED TANK AND LID WEIGHT = 32000kg"

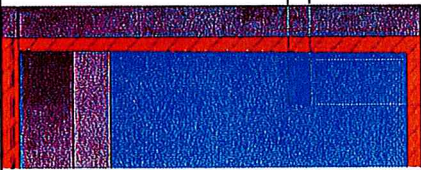
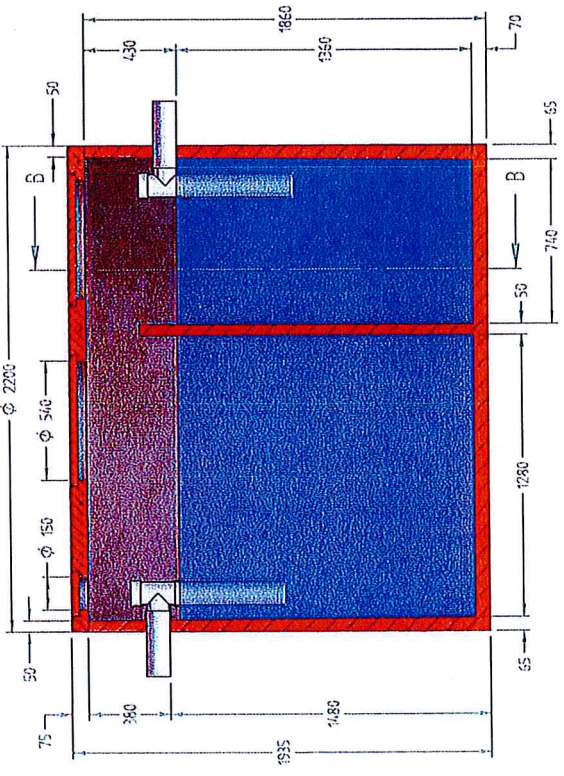


CONCRETE VOLUME OF TANK: 1111 L

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NOTES:

GENERAL

1. SEPTIC TANKS MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546.1:2008

MARKING

TANK TO BE MARKED AS NOTED ON THIS DRAWING

CONCRETE:

1. CONCRETE STRENGTH $f_{ck} = 40\text{MPa}$
2. SLUMP = 100mm
3. MAXIMUM AGGREGATE SIZE = 10mm
4. CONCRETE TO BE VIBRATED TO ENSURE THOROUGH COMPACTION
5. TANKS TO BE REINFORCED WITH FIBRE STEEL OF 600MPa MINIMUM TENSILE STRENGTH - OR EQUIVALENT, MIXED TO ACHIEVE A MINIMUM OF 60kg/m³ OF CONCRETE
6. LID TO BE REINFORCED WITH TWO LAYERS OF S172 STEEL MESH 30mm ABOVE THE BOTTOM
7. LARGE LID INSPECTION HOLE TO BE REINFORCED WITH R12 DEFORMED BAR AS SHOWN
8. ALL STEEL REINFORCEMENT TO ASIZES 4671

ATTACHMENTS:

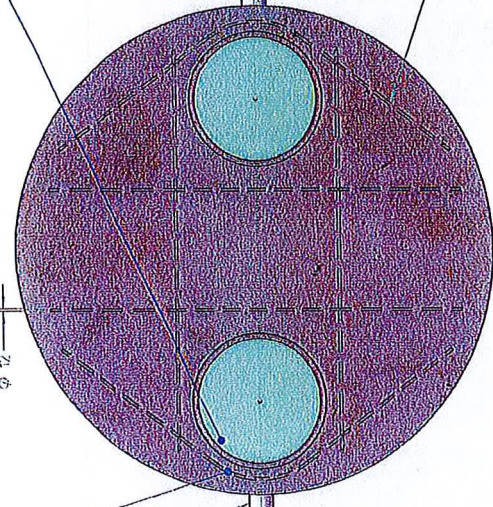
1. LIFTING HOOKS TO BE REID SWIFT LIFTS 4 x 251 (TONNE), ANCHORS TO BE CAST INTO THE BASE OF THE TANK
2. 3 x 13 Tonne ANCHORS TO BE CAST INTO THE TANK LIDS

HYDROSTATIC LIFTAGE:

1. ANCHORAGE SHALL BE PROVIDED ON TANKS THAT ARE INSTALLED OTHER THAN ABOVE GROUND AND WHEN THEY ARE NOT PERMANENTLY FILLED TO THE FULL HEIGHT SHOWN ON THIS DRAWING

<p>Econocycle ADVANCED WASTEWATER RECOVERY SYSTEMS</p>		<p>DATE PROFILE: 29/05/2017</p> <p>SCALE: DO NOT SCALE</p> <p>DRAWING NOT VALID FOR: ALL PROJECTS</p>	<p>SHEET NO: A3</p> <p>VERSION: --</p> <p>SHEET SIZE: 1 OF 1</p>
<p>TITLE: 4500L SEPTIC TANK CERTIFICATION DRAWING</p>		<p>PROJECT: NONE</p> <p>PART: 2200X1860-4500-ST</p>	
<p>COPYRIGHT</p> <p>The design and construction of this drawing is the property of Econocycle Pty Ltd. All rights reserved.</p>		<p>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM</p>	
<p>MASS: 3177 kg</p>			

TANK TO BE MARKED "INLET" ON TOP FACE OF LID AND ADJACENT TO INLET



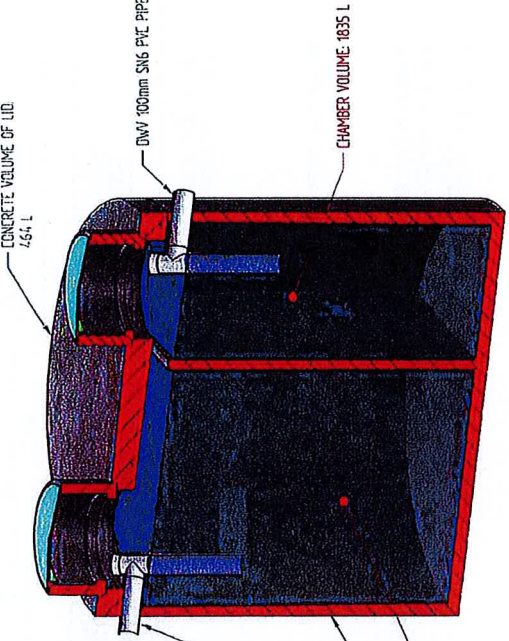
TANK ALSO TO BE MARKED ON TOP FACE OF LID AND ADJACENT TO INLET WITH:

- "ECONOCYCLE"
- DATE OF MANUFACTURE
- CAPACITY = 4500L
- THE LID IS NOT TO BE LOADED OR COVERED IN ANY WAY OTHER THAN FOR INSPECTION
- COMBINED TANK AND LID WEIGHT = 3200kg

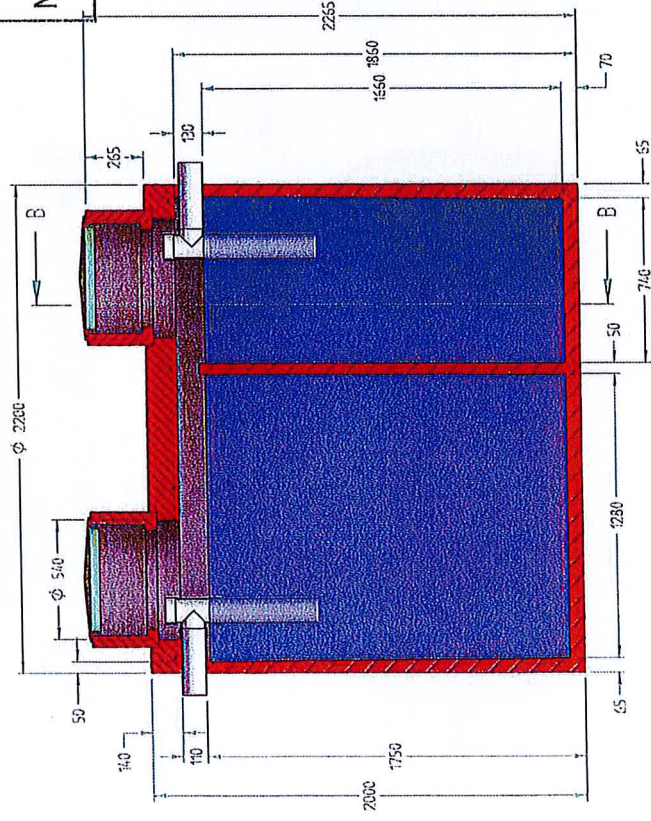
INLET
OUTLET
BAR REINFORCEMENT LAYOUT

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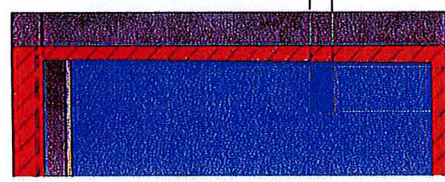
CONCRETE VOLUME OF TANK
1725 L
CHAMBER VOLUME 3665 L



CONCRETE VOLUME OF LID
1454 L
CHAMBER VOLUME 1835 L



SECTION A-A



SECTION B-B

MASS 3813 KG

NOTES:

- GENERAL
- SEPTIC TANKS MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546:2008

MARKING

TANK TO BE MARKED AS NOTED ON THIS DRAWING

CONCRETE:

- CONCRETE STRENGTH $f_c = 40\text{MPa}$
- SUMP = 100mm
- MAXIMUM AGGREGATE SIZE = 10mm
- CONCRETE TO BE VIBRATED TO ENSURE THOROUGH COMPACTION
- TANKS TO BE REINFORCED WITH FIBRE STEEL OF 600MPa MINIMUM TENSILE STRENGTH - OR EQUIVALENT, MIXED TO ACHIEVE A MINIMUM OF 60kg/m³ OF CONCRETE
- LID TO BE REINFORCED WITH TWO LAYERS OF S172 STEEL MESH 30mm ABOVE THE BOTTOM
- LARGE LID INSPECTION HOLE TO BE REINFORCED WITH R12 DEFORMED BAR AS SHOWN
- ALL STEEL REINFORCEMENT TO AS/NZS 4671

ATTACHMENTS:

- LIFTING HOOKS TO BE REID SWIFT, LIFTS 4 x 2.5 (TONNED), ANCHORS TO BE CAST INTO THE BASE OF THE TANK
- 3 x 13 Tonne ANCHORS TO BE CAST INTO THE TANK LIDS

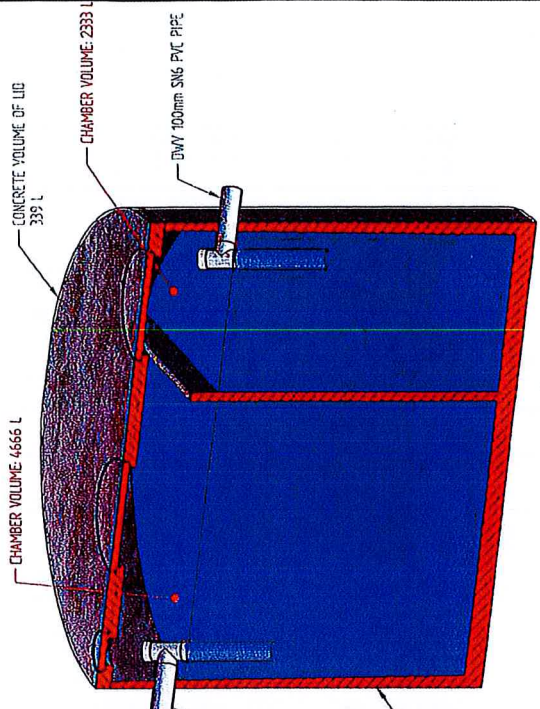
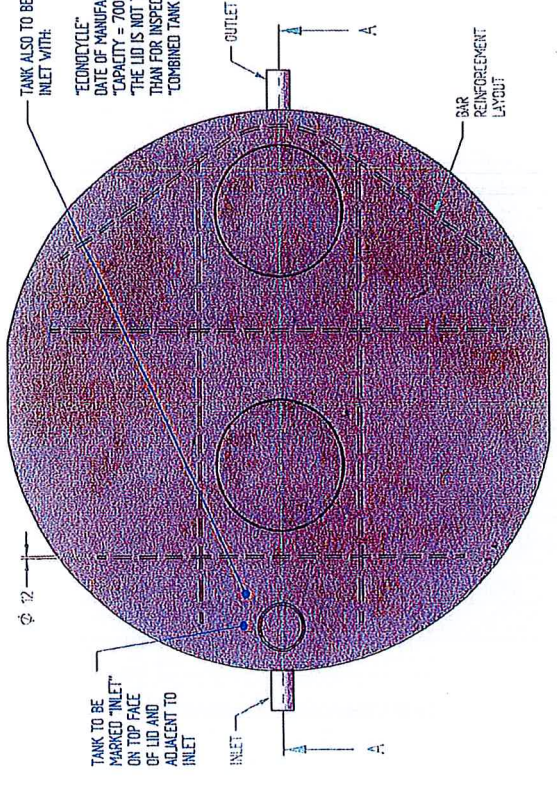
HYDROSTATIC UPLIFT:

- ANCHORAGE SHALL BE PROVIDED ON TANKS THAT ARE INSTALLED OTHER THAN ABOVE GROUND AND WHEN THEY ARE NOT PERMANENTLY FILLED TO THE FULL HEIGHT SHOWN ON THIS DRAWING.

<p>Econocycle ADVANCED WASTEWATER TREATMENT SYSTEMS</p>	DATE PUBLISHED	18/06/2018	CONTRACT NO.	NONE	SHEET SIZE	A3
	SCALE	DO NOT SCALE	PROJECT NO.	2200X1860-5500-ST	VERSION	1 OF 1
<p>COPYRIGHT</p> <p>The drawings and information contained herein are the property of Econocycle Pty Ltd. All rights reserved. No part of this drawing may be reproduced without the written permission of Econocycle Pty Ltd.</p>		<p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MM</p>				

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NOTES:

GENERAL

1. SEPTIC TANKS MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546:2008

MARKING:

TANK TO BE MARKED AS NOTED ON THIS DRAWING

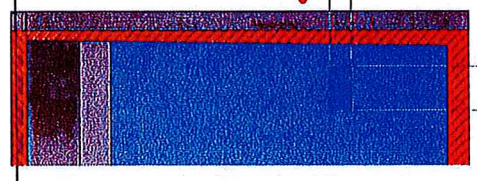
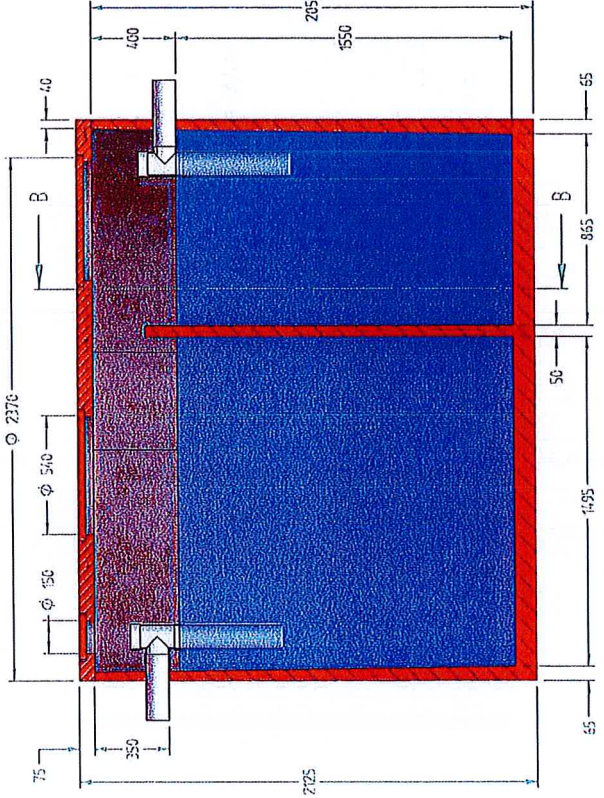
- CONCRETE:**
1. CONCRETE STRENGTH $f_c = 40\text{MPa}$
 2. SLOPP = 120mm
 3. MAXIMUM AGGREGATE SIZE = 10mm
 4. CONCRETE TO BE VIBRATED TO ENSURE THOROUGH COMPACTION
 5. TANKS TO BE REINFORCED WITH FIBRE STEEL OF 600MPa MINIMUM TENSILE STRENGTH - OR EQUIVALENT, MIXED TO ACHIEVE A MINIMUM OF 75kg/m³ OF CONCRETE
 6. LID TO BE REINFORCED WITH TWO LAYERS OF S172 STEEL MESH 30mm ABOVE THE BOTTOM
 7. LARGE LID INSPECTION HOLE TO BE REINFORCED WITH R12 REFORMED BAR AS SHOWN
 8. ALL STEEL REINFORCEMENT TO AS/NZS 4671

ATTACHMENTS:

1. LIFTING HOOPS TO BE REID SWIFT LIFTS 4 x 251 (DOWN), ANCHORS TO BE CAST INTO THE BASE OF THE TANK
2. 3 x 13 tone ANCHORS TO BE CAST INTO THE TANK LIDS

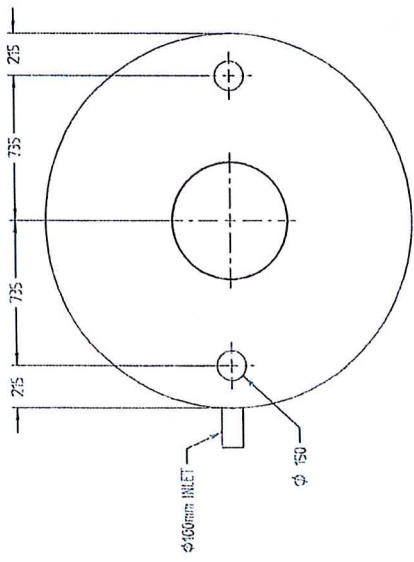
HYDROSTATIC UPLIFT:

1. ANCHORAGE SHALL BE PROVIDED ON TANKS THAT ARE INSTALLED OTHER THAN ABOVE GROUND AND WHEN THEY ARE NOT PERMANENTLY FILLED TO THE FULL HEIGHT SHOWN ON THIS DRAWING

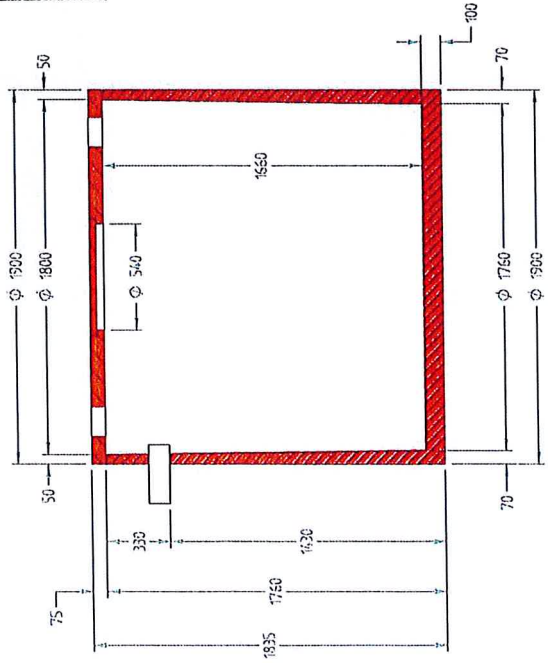
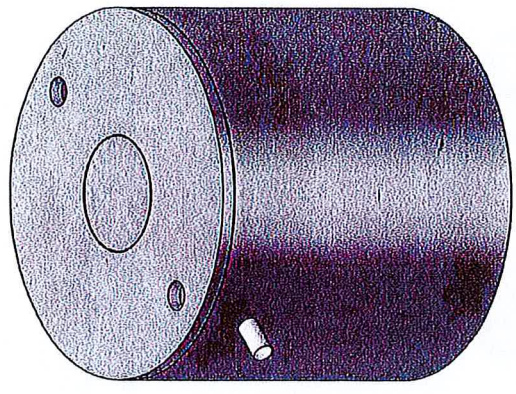


		DATE RATED 29/05/2017 SCALE DO NOT SCALE DRAWING NOT FOR USE IF PERIF MCKEY	TITLE 7,000L SEPTIC TANK CERTIFICATION DRAWING COUNTRY NONE PART 2540X2050-7000-ST VERSION --
COPYRIGHT <small>THIS DRAWING IS THE PROPERTY OF ECONOCYCLE. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED. IT IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ECONOCYCLE.</small>		PROJECT - DATE - DESIGNER - CHECKED - DATE -	SHEET NO. A3 OF 1 1 OF 1



MASS 4252 kg



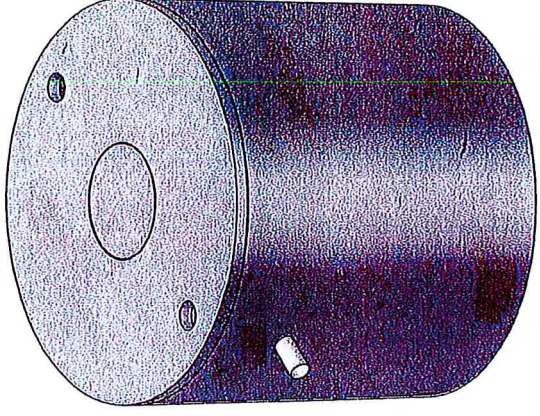
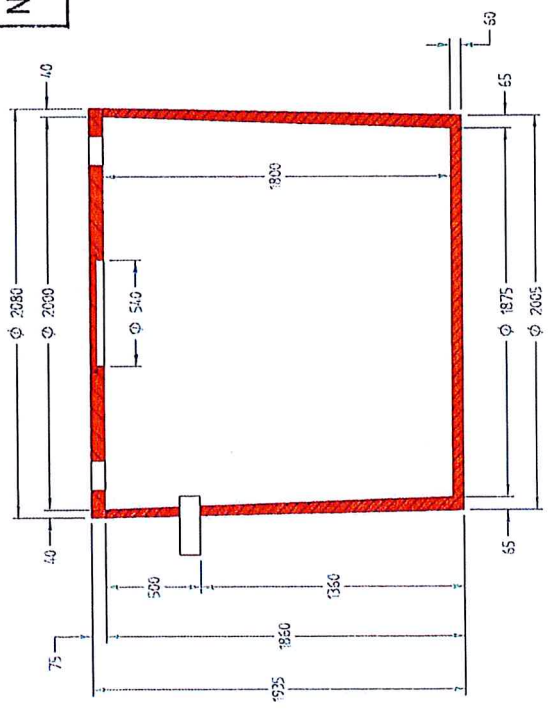
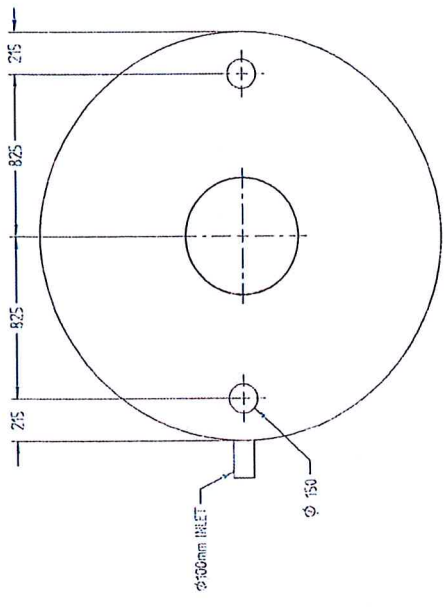
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- NOTES:**
1. SEPTIC TANKS TO BE MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546.1:2008
 2. CONCRETE STRENGTH = 40MPa
 3. CONCRETE TO BE VIBRATED TO ENSURE WELL COMPACTED CONCRETE
 4. TANKS TO BE REINFORCED WITH FIBRE STEEL
 5. LIFTING TO BE "RED SWIFT LIFTS" 4 x 25 TONNE FOOT ANCHORS CAST INTO BASE OF THE TANK, 3 x 13 TONNE ANCHORS CAST INTO TANK LIDS

				PRODUCT	COLLECTION WELL
ADVANCED WASTEWATER TREATMENT SYSTEMS		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM		TITLE	3250L CONCRETE TANK ASSY NSW HEALTH CERTIFICATION DRAWING
DATE ISSUED 21/07/2010		DATE REVISED 21/07/2010		CONTRACT	-
SCALE		DRAWN BY P. MCKAY		PART #	CONCRETE
COPYRIGHT		CHECKED BY P. MCKAY		SHEET NO.	
ALL RIGHTS RESERVED		APPROVED BY P. MCKAY		SHEET SIZE	
ECONOCYCLE		MOBILE LAST CHECKED BY P. MCKAY		A3	
124-1410		1B		1 OF 1	

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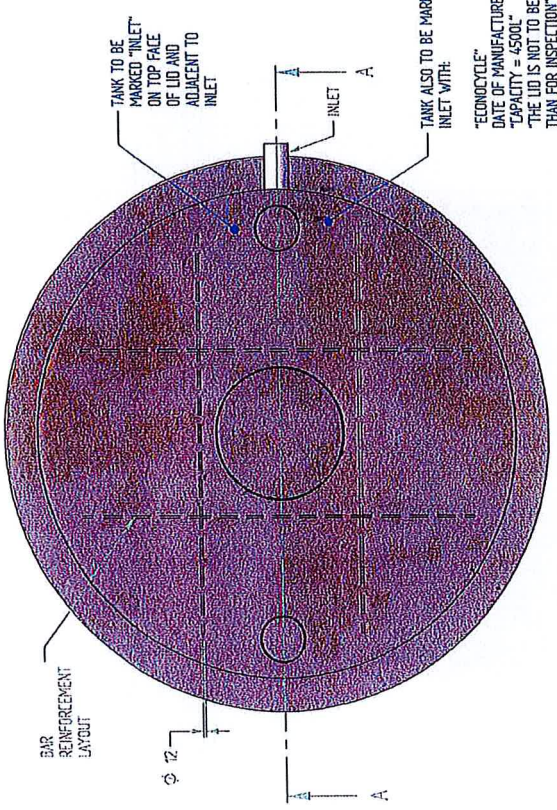
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11 AUG 2022
NSW MINISTRY OF HEALTH

- NOTES:**
1. SEPTIC TANKS TO BE MANUFACTURED AND TESTED IN ACCORDANCE WITH ASINZS 1545.12008
 2. CONCRETE STRENGTH = 40MPa
 3. CONCRETE TO BE VIBRATED TO ENSURE WELL COMPACTED CONCRETE
 4. TANKS TO BE REINFORCED WITH FIBRE STEEL
 5. LIFTING TO BE "REID SWIFT LIFTS" - 4 x 25-TONNE FOOT ANCHORS CAST INTO BASE OF THE TANK, 3 x 13-TONNE ANCHORS CAST INTO TANK LIDS

Econocycle ADVANCED WASTEWATER TREATMENT SYSTEMS		DATE PRINTED: 27/07/2010		SHEET NO. 1 OF 1	
COPYRIGHT No. 2000-2010 All rights reserved No part of this publication may be reproduced without the prior written permission of Econocycle Pty Ltd.		DRAWN BY: P. HICKORY		SHEET SIZE: A3	
SCALE: DO NOT SCALE		DATE PRINTED: 27/07/2010		SHEET NO. 1 OF 1	
PROJECT: COLLECTION WELL		TITLE: 3750L CONCRETE TANK ASSY NSW HEALTH CERTIFICATION DRAWING		SHEET NO. 1 OF 1	
DESIGNER: P. HICKORY		DATE PRINTED: 27/07/2010		SHEET NO. 1 OF 1	
DRAWN BY: P. HICKORY		DATE PRINTED: 27/07/2010		SHEET NO. 1 OF 1	
CHECKED BY: P. HICKORY		DATE PRINTED: 27/07/2010		SHEET NO. 1 OF 1	
APPROVED BY: P. HICKORY		DATE PRINTED: 27/07/2010		SHEET NO. 1 OF 1	
PROJECT NO. 124-1610		DATE PRINTED: 27/07/2010		SHEET NO. 1 OF 1	
DRAWN BY: P. HICKORY		DATE PRINTED: 27/07/2010		SHEET NO. 1 OF 1	
CHECKED BY: P. HICKORY		DATE PRINTED: 27/07/2010		SHEET NO. 1 OF 1	
APPROVED BY: P. HICKORY		DATE PRINTED: 27/07/2010		SHEET NO. 1 OF 1	

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6 5 4 3 2 1



BAR REINFORCEMENT LAYOUT

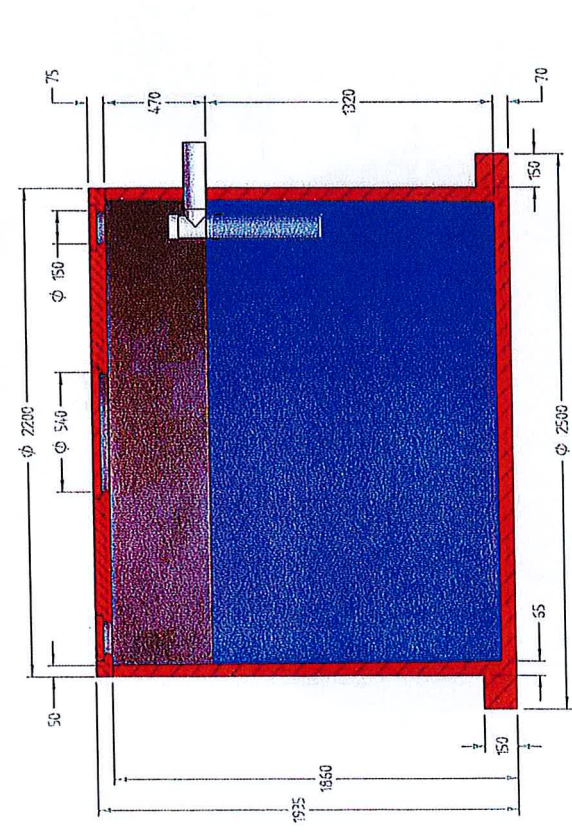
Ø 12

TANK TO BE MARKED "INLET" ON TOP FACE OF LID AND ADJACENT TO INLET

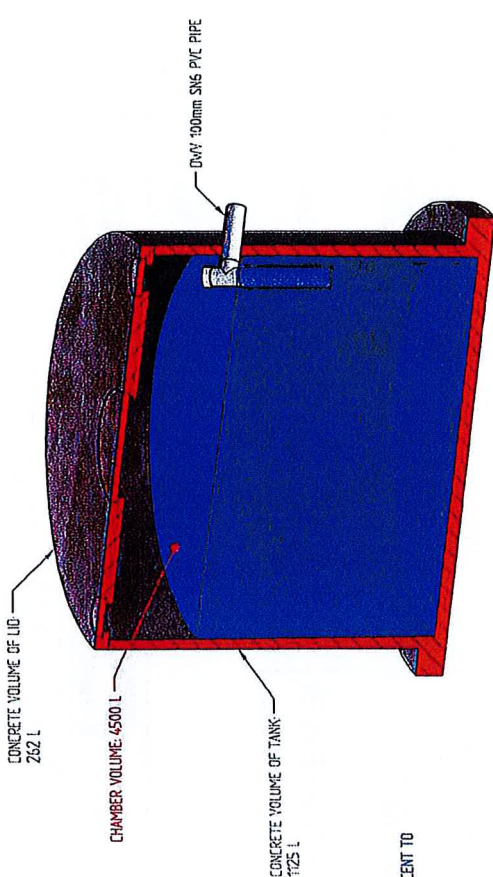
INLET

TANK ALSO TO BE MARKED ON TOP FACE OF LID AND ADJACENT TO INLET WITH:

"ECONOCYCLE"
DATE OF MANUFACTURE
"CAPACITY = 4500L"
"THE LID IS NOT TO BE LOADED OR COVERED IN ANY WAY OTHER THAN FOR INSPECTION"
"COMBINED TANK AND LID WEIGHT = 3300kg"



SECTION A-A



CONCRETE VOLUME OF LID 262 L

CHAMBER VOLUME 4500 L

CONCRETE VOLUME OF TANK 1125 L

DWV 100mm SWS PVC PIPE

NOTES:

GENERAL

1. SEPTIC TANKS MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546:2008

MARKING

TANK TO BE MARKED AS NOTED ON THIS DRAWING

CONCRETE:

1. CONCRETE STRENGTH $F_c = 40MPa$

2. SLUMP = 100mm

3. MAXIMUM AGGREGATE SIZE = 10mm

4. CONCRETE TO BE VIBRATED TO ENSURE THOROUGH COMPACTION

5. TANKS TO BE REINFORCED WITH FIBRE STEEL OF 600MPa; MINIMUM TENSILE STRENGTH - OR EQUIVALENT, MIXED TO ACHIEVE A MINIMUM OF 60kg/m³ OF CONCRETE

6. LID TO BE REINFORCED WITH TWO LAYERS OF S172 STEEL MESH 30mm ABOVE THE BOTTOM

7. LARGE LID INSPECTION HOLE TO BE REINFORCED WITH R12 DEFORMED BAR AS SHOWN

8. ALL STEEL REINFORCEMENT TO AS/NZS 4571

ATTACHMENTS:

1. LIFTING HOOKS TO BE REID SWIFT LIFTS 4 x 25t (TONNE); ANCHORS TO BE CAST INTO THE BASE OF THE TANK

2. 3 x 13 tonne ANCHORS TO BE CAST INTO THE TANK LIDS

HYDROSTATIC LIFT/LE:

1. ANCHORAGE SHALL BE PROVIDED ON TANKS THAT ARE INSTALLED OTHER THAN ABOVE GROUND AND WHEN THEY ARE NOT PERMANENTLY FILLED TO THE FULL HEIGHT SHOWN ON THIS DRAWING.

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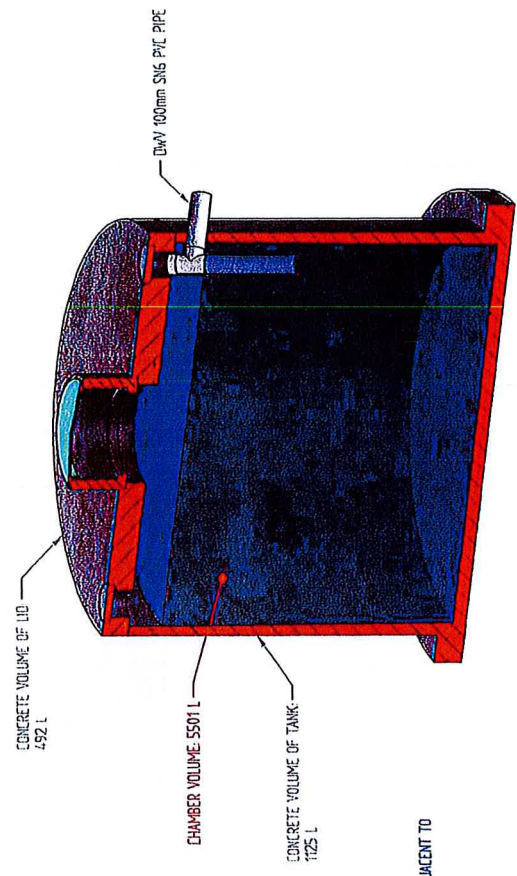
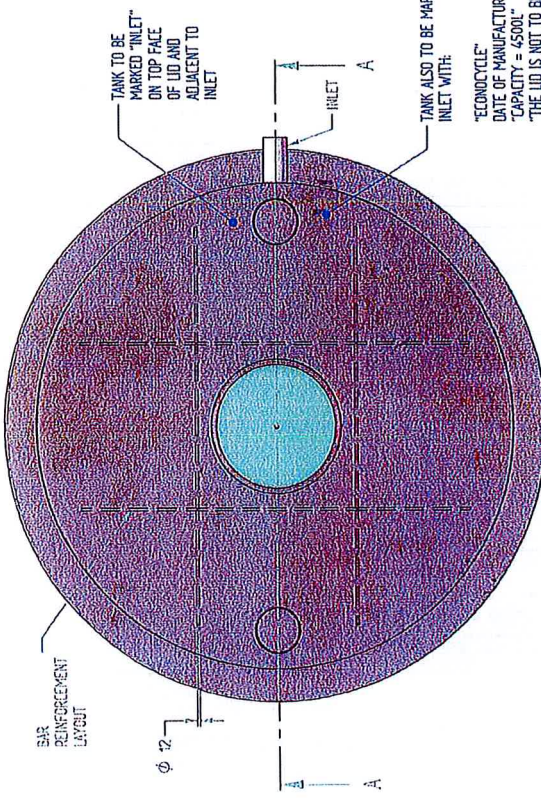
11 AUG 2022

NSW MINISTRY OF HEALTH

<p>ECONOCYCLE ADVANCED WASTEWATER TREATMENT SYSTEMS</p>		<p>DATE PLOTTED 29/05/2017</p> <p>SCALE DO NOT SCALE</p> <p>DRAWING LAST MODIFIED BY Peter Hickey</p>	<p>PROJECT -</p> <p>TITLE 4500L COLLECTION WELL CERTIFICATION DRAWING</p> <p>CONTRACT/INSTR. NONE</p> <p>VERSION -</p>	<p>SHEET SIZE A3</p> <p>SHEET NO. 1 OF 1</p>
<p>MASS 3224 kg</p>		<p>DATE PLOTTED 29/05/2017</p> <p>SCALE DO NOT SCALE</p> <p>DRAWING LAST MODIFIED BY Peter Hickey</p>		

1 2 3 4 5 6

1 2 3 4 5 6



NOTES:

- GENERAL
1. SEPTIC TANKS MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546.1:2008

- MARKING
- TANK TO BE MARKED AS NOTED ON THIS DRAWING

CONCRETE:

1. CONCRETE STRENGTH $f_c = 40MPa$
2. SLUMP = 100mm
3. MAXIMUM AGGREGATE SIZE = 10mm
4. CONCRETE TO BE VIBRATED TO ENSURE THOROUGH COMPACTION
5. TANKS TO BE REINFORCED WITH FIBRE STEEL OF 600MPa MINIMUM TENSILE STRENGTH – OR EQUIVALENT, MIXED TO ACHIEVE A MINIMUM OF 60kg/m³ OF CONCRETE
6. LID TO BE REINFORCED WITH TWO LAYERS OF S172 STEEL MESH 30mm ABOVE THE BOTTOM
7. LARGE LID INSPECTION HOLE TO BE REINFORCED WITH R12 DEFORMED BAR AS SHOWN
8. ALL STEEL REINFORCEMENT TO AS/NZS 4671

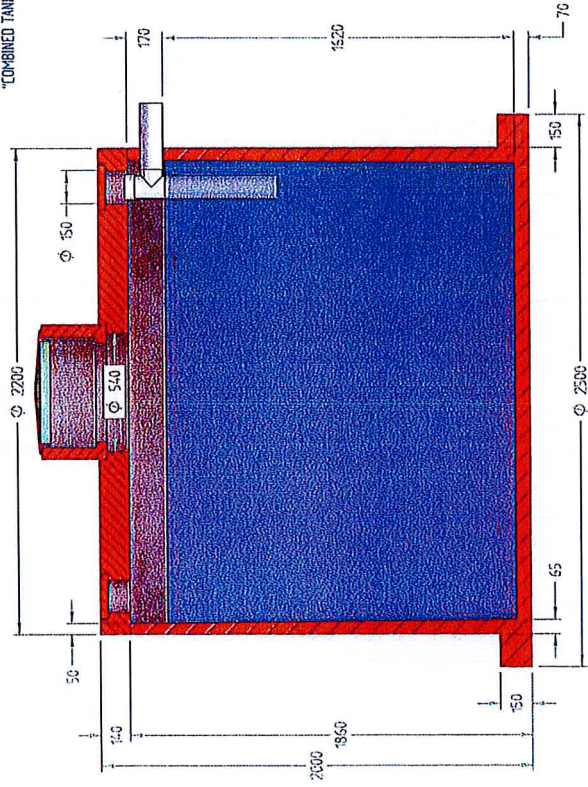
ATTACHMENTS:

1. LIFTING HOOPS TO BE 'RED SWIFT' LIFTS 4 x 251 (TONNE), ANCHORS TO BE CAST INTO THE BASE OF THE TANK
2. 3 x 13 10mm ANCHORS TO BE CAST INTO THE TANK LIDS

HYDROSTATIC UPLIFT:

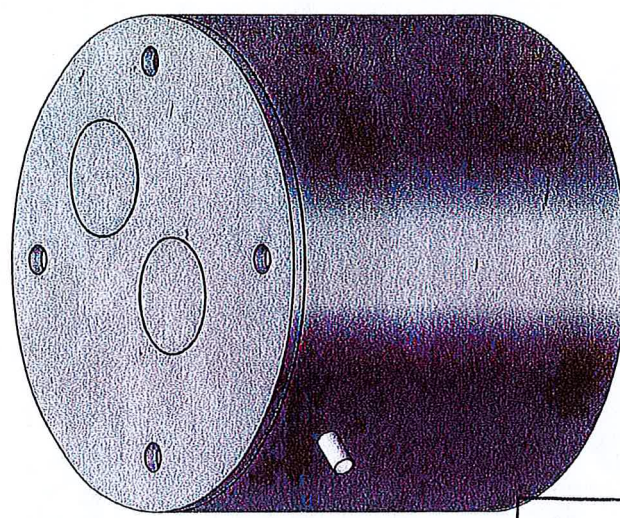
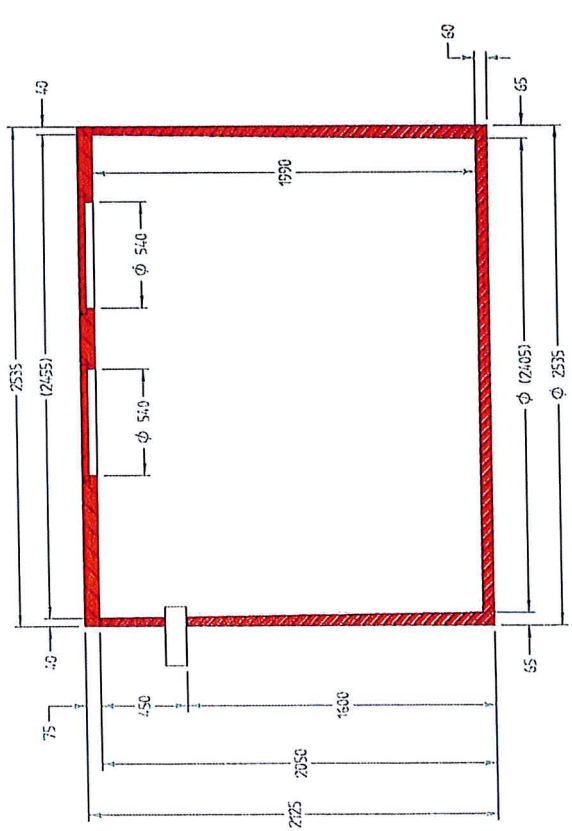
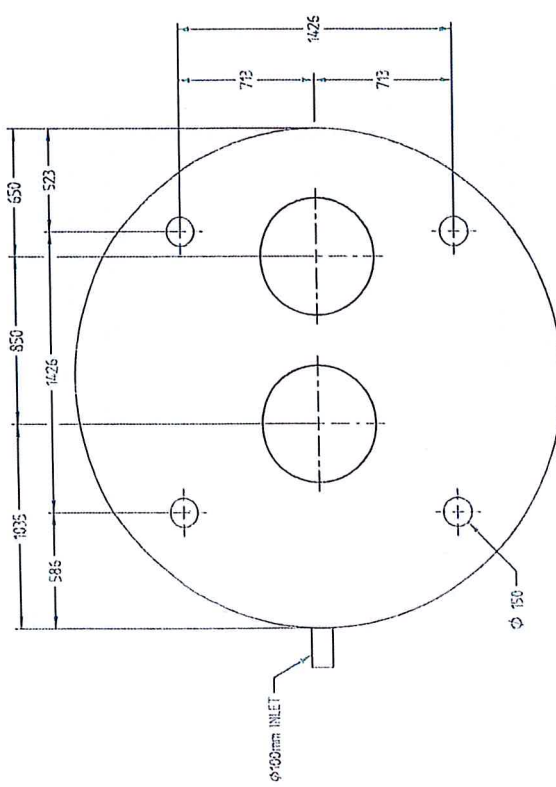
1. ANCHORAGE SHALL BE PROVIDED ON TANKS THAT ARE INSTALLED OTHER THAN ABOVE GROUND AND WHEN THEY ARE NOT PERMANENTLY FILLED TO THE FULL HEIGHT SHOWN ON THIS DRAWING.

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<p>HEATED WASTEWATER TREATMENT SYSTEMS</p>		DATE RATED	18/06/2018	DATE/REV.	NONE	SHEET NO.	A3
		SCALE	DO NOT SCALE	FORM	2200X1860-5500-LW	SHEET NO.	1 OF 1
<p>COPYRIGHT</p> <p>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM</p> <p>DESIGNED BY: [Name]</p> <p>DRAWN BY: [Name]</p>		PROJECT: - TITLE: 5500L COLLECTION WELL CERTIFICATION DRAWING		REGION: - FORM: -		REGION: - FORM: -	
MASS: 3224 kg		PROJECT: - TITLE: 5500L COLLECTION WELL CERTIFICATION DRAWING		REGION: - FORM: -		REGION: - FORM: -	

1 2 3 4 5 6

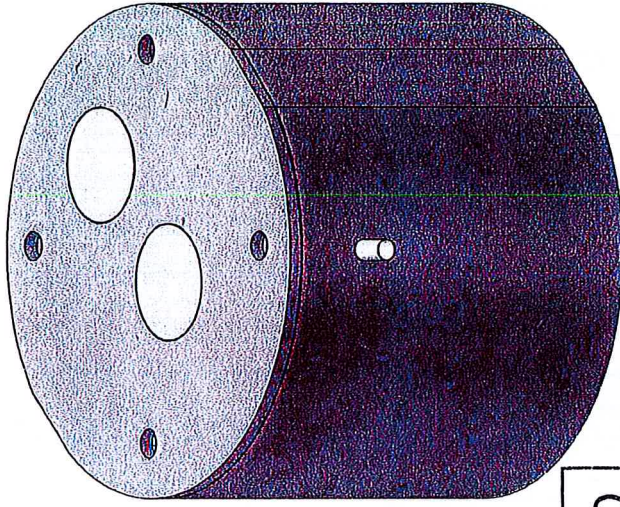
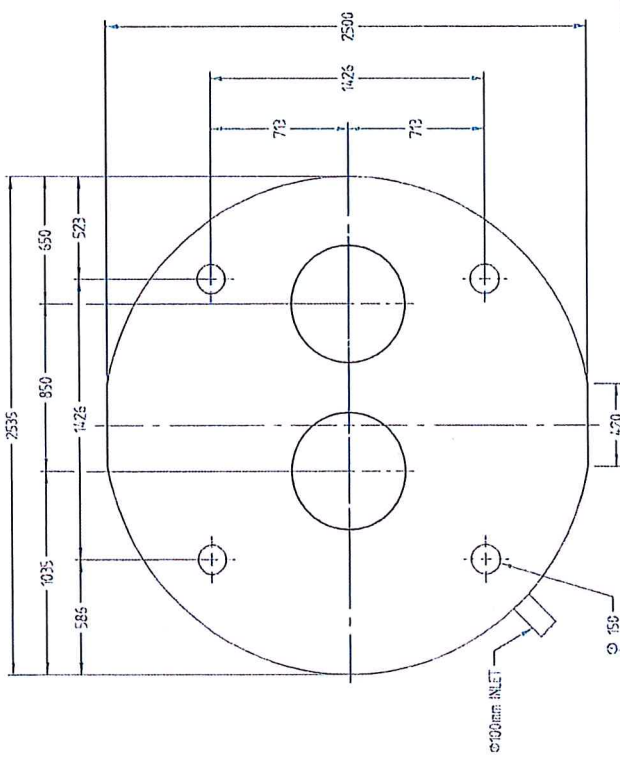


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 NSW MINISTRY OF HEALTH

- NOTES:**
1. SEPTIC TANKS TO BE MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546:2008
 2. CONCRETE STRENGTH = 40MPa
 3. CONCRETE TO BE VIBRATED TO ENSURE WELL COMPACTED CONCRETE
 4. TANKS TO BE REINFORCED WITH FIBRE STEEL
 5. LIFTING TO BE "RED SHIFT" LIFTS * 4 x 25 TONNE FOOT ANCHORS CAST INTO BASE OF THE TANK, 3 x 13 TONNE ANCHORS CAST INTO TANK LIDS

 ASSOCIATED WASTEWATER TREATMENT SYSTEMS		PROJECT: COLLECTION WELL TITLE: 7000L CONCRETE TANK ASSY NSW HEALTH CERTIFICATION DRAWING		SHEET SIZE: A3
		DATE PRINTED: 27/07/2020 UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM		SHEET NO.: 1 OF 1
SCALE: 1:1 (DO NOT SCALE) DRAWN BY: P. MCKAY CHECKED BY: P. MCKAY		DATE PLOTTED: 27/07/2020 DRAWN/LAST MODIFIED BY: P. MCKAY PLOTTED/LAST PLOTTED BY: P. MCKAY		REVISION: 1.D 124_0910
COPYRIGHT © 2019 ECONOCYCLE ASSOCIATED WASTEWATER TREATMENT SYSTEMS ALL RIGHTS RESERVED		CONT./PARTIAL: - PART II:		6

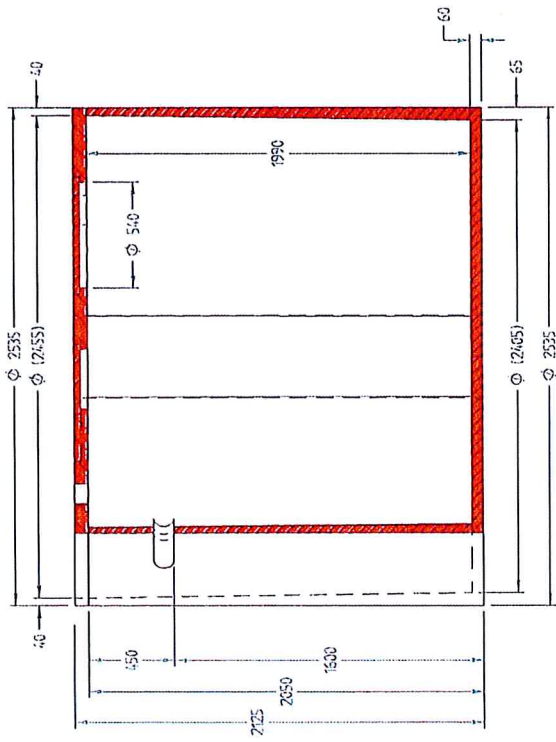
1 2 3 4 5 6



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11 AUG 2022
NSW MINISTRY OF HEALTH

NOTES:

1. SEPTIC TANKS TO BE MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546.1:2008
2. CONCRETE STRENGTH = 40MPa
3. CONCRETE TO BE VIBRATED TO ENSURE WELL COMPACTED CONCRETE
4. TANKS TO BE REINFORCED WITH FIBRE STEEL
5. LIFTING TO BE "REID SWIFT LIFTS" 4 x 2.5 TONNE FOOT ANCHORS CAST INTO BASE OF THE TANK, 3 x 1.3 TONNE ANCHORS CAST INTO TANK LIDS

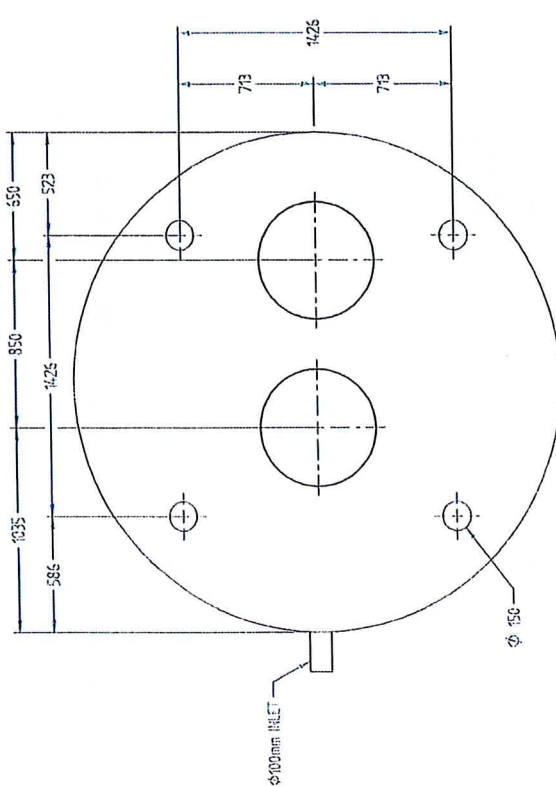


<p>Econocycle ADVANCED WASTEWATER TREATMENT SYSTEMS</p>	PROJECT COLLECTION WELL	SHEET NO. A3
	TITLE 7000L CONCRETE TANK ASSY NSW HEALTH CERTIFICATION DRAWING	SHEET SIZE B2
DATE PUBLISHED: 2/11/2011	DRAWING LIST FORWARDED BY P. MCINTYRE	REGION 124_0910
SCALE DO NOT SCALE	DRAWING LIST FORWARDED BY P. MCINTYRE	PART # 124_0910
CHECKED BY P. MCINTYRE	DESIGNED BY P. MCINTYRE	PART # 124_0910
PROJECT NO. 124_0910	PROJECT NO. 124_0910	PART # 124_0910

1 2 3 4 5 6

A B C D

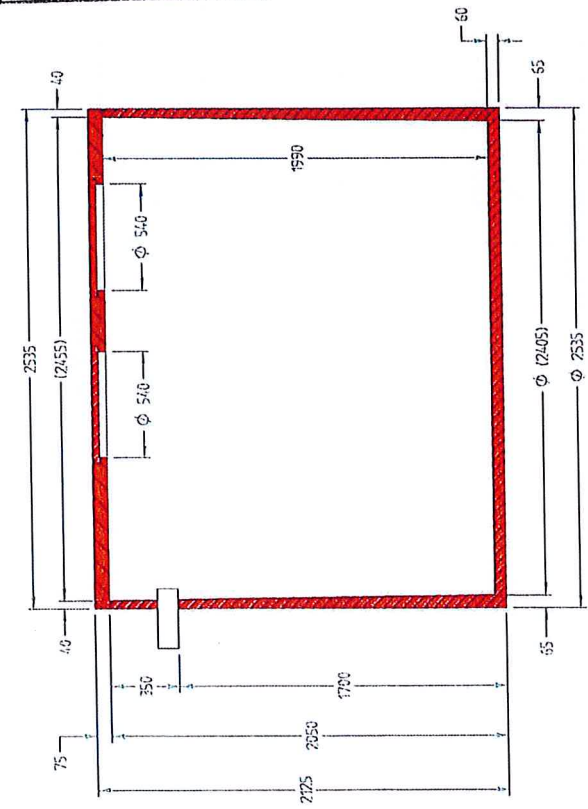
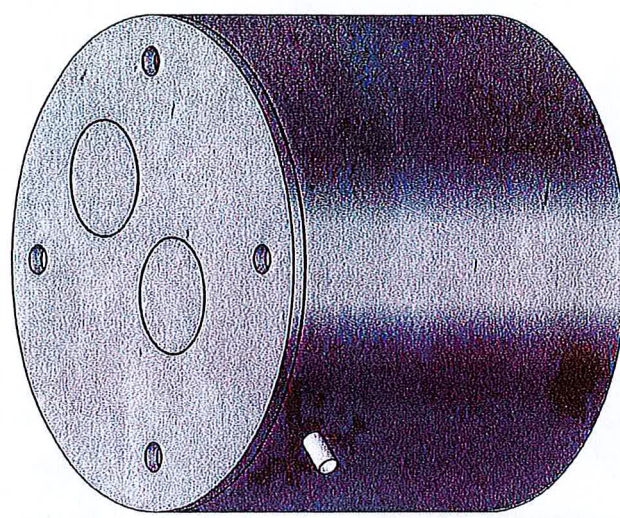
A B C D



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 NSW MINISTRY OF HEALTH

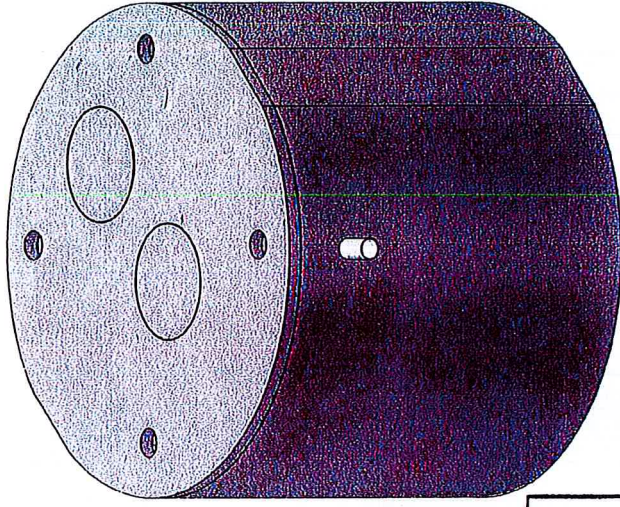
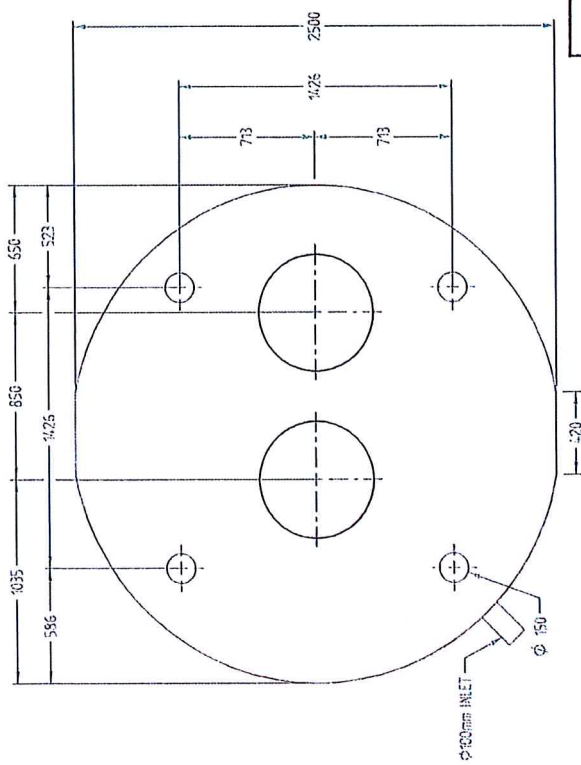
NOTES:

1. SEPTIC TANKS TO BE MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546:2008
2. CONCRETE STRENGTH = 40MPa
3. CONCRETE TO BE VIBRATED TO ENSURE WELL COMPACTED CONCRETE
4. TANKS TO BE REINFORCED WITH FIBRE STEEL
5. LIFTING TO BE "RED SHIFT LIFTS" 4 x 25 TONNE FOOT ANCHORS CAST INTO BASE OF THE TANK, 3 x 13 TONNE ANCHORS CAST INTO TANK LIDS

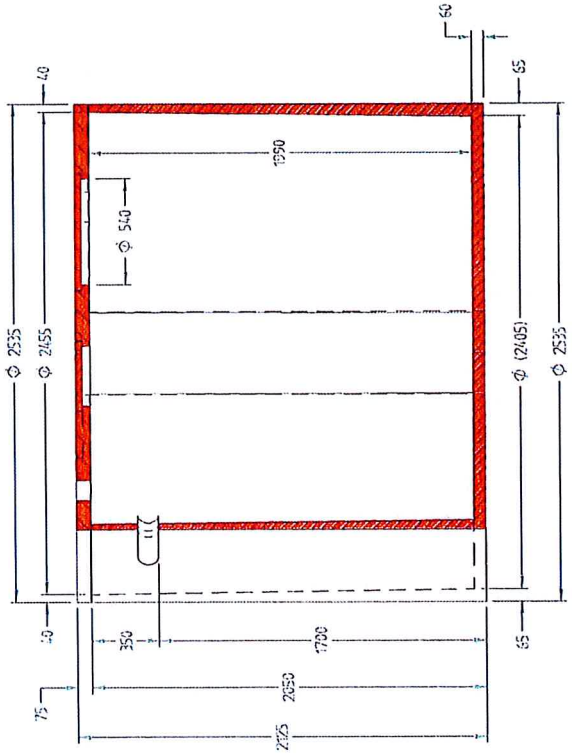


		COLLECTION WELL	
7300L CONCRETE TANK ASSY NSW HEALTH CERTIFICATION DRAWING		SHEET NO. A3	
DATE PLOTTED: 27/07/2010		SHEET NO. 1B	
DRAWING LAST MODIFIED BY: P. MCKAY		PROJECT NO. 124_1110	
PROJECT LAST PLOTTED BY: P. MCKAY		PART #	
SCALE: AS SHOWN		CONSTRUCTION	
DRAWN BY: P. MCKAY		ALLOCATION	
CHECKED BY: P. MCKAY		1 OF 1	

1 2 3 4 5 6



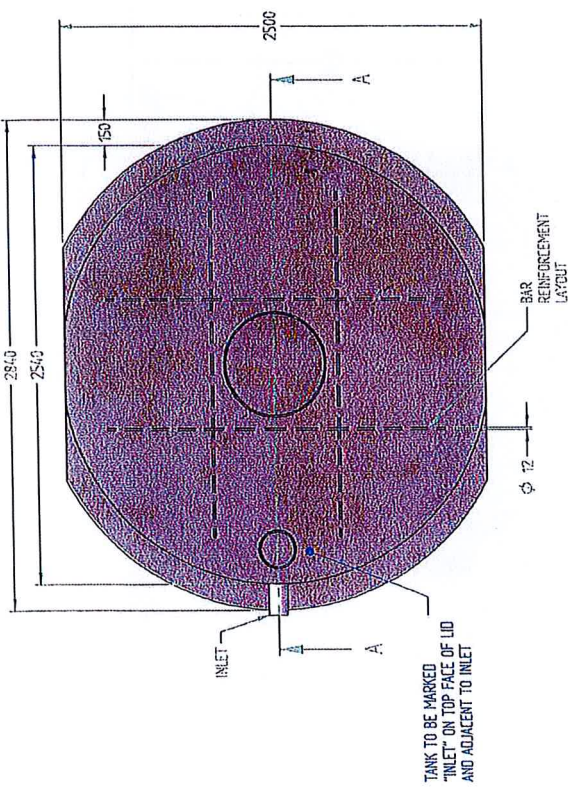
ACCREDITED
 11 AUG 2022
 NSW MINISTRY OF HEALTH



- NOTES:
1. SEPTIC TANKS TO BE MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546.1:2008
 2. CONCRETE STRENGTH = 40MPa
 3. CONCRETE TO BE VIBRATED TO ENSURE WELL COMPACTED CONCRETE
 4. TANKS TO BE REINFORCED WITH FIBRE STEEL
 5. LIFTING TO BE "REID SWIFT LIFTS" 4 x 2.5 TONNE FOOT ANCHORS CAST INTO BASE OF THE TANK, 3 x 1.3 TONNE ANCHORS CAST INTO TANK LIDS

 ALBERTA WASTEWATER TREATMENT SYSTEMS	PROJECT: COLLECTION WELL	SHEET NO. A3
	TITLE: 7300L CONCRETE TANK ASSY NSW HEALTH CERTIFICATION DRAWING	SHEET NO. 1 OF 1
SCALE: DO NOT SCALE	DATE: 3/11/2011	REGION: B.1
DRAWN BY: P. MCGRATH	CHECKED BY: P. MCGRATH	PROJECT NO. 124_1110
PROJECT NO. 124_1110	PROJECT NO. 124_1110	PROJECT NO. 124_1110

1 2 3 4 5 6



TANK TO BE MARKED
"INLET" ON TOP FACE OF LID
AND ADJACENT TO INLET

TANK ALSO TO BE MARKED ON TOP FACE OF LID AND
ADJACENT TO INLET WITH:

- "ECONOCYCLE"
- DATE OF MANUFACTURE
- "CAPACITY = 8000L"
- "THE LID IS NOT TO BE LOADED OR COVERED IN ANY
WAY OTHER THAN FOR INSPECTION"
- "COMBINED TANK AND LID WEIGHT = 4500kg"

DIA 100mm SH6 PVC PIPE

CHAMBER VOLUME: 8000 L

CONCRETE VOLUME OF TANK:
1573 L

CONCRETE VOLUME OF LID:
358 L

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NSW MINISTRY OF HEALTH

NOTES:
GENERAL
1. SEPTIC TANKS MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546.1:2008

MARKING
TANK TO BE MARKED AS NOTED ON THIS DRAWING

CONCRETE:

1. CONCRETE STRENGTH $F_c = 40\text{MPa}$
2. SLUMP = 100mm
3. MAXIMUM AGGREGATE SIZE = 10mm
4. CONCRETE TO BE VIBRATED TO ENSURE THOROUGH COMPACTOR
5. TANKS TO BE REINFORCED WITH FIBRE STEEL OF 600MPa MINIMUM TENSILE STRENGTH - OR EQUIVALENT, MIXED TO ACHIEVE A MINIMUM OF 75kg/m³ OF CONCRETE
6. LID TO BE REINFORCED WITH TWO LAYERS OF S172 STEEL MESH 30mm ABOVE THE BOTTOM
7. LARGE LID INSPECTION HOLE TO BE REINFORCED WITH R12 DEFORMED BAR AS SHOWN
8. ALL STEEL REINFORCEMENT TO AS/NZS 4671

ATTACHMENTS:

1. LIFTING HOOKS TO BE REID SWIFT LIFTS 4 x 25t (10Tonne), ANCHORS TO BE CAST INTO THE BASE OF THE TANK
2. 3 x 13 Tonne ANCHORS TO BE CAST INTO THE TANK LIDS

HYDROSTATIC UPLIFT:

1. ANCHORAGE SHALL BE PROVIDED ON TANKS THAT ARE INSTALLED OTHER THAN ABOVE GROUND AND WHEN THEY ARE NOT PERMANENTLY FILLED TO THE FULL HEIGHT SHOWN ON THIS DRAWING.

		DATE PRINTED	29/05/2017	SCALE	DO NOT SCALE
		UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM	MARKING LAST PERFORMED BY	Peter McEoy	
PROJECT		-			
TITLE		8000L COLLECTION WELL CERTIFICATION DRAWING			
SHEET SIZE		CONTRIBUTOR		NONE	
A3		PART		2540x2350-8000-CW	
SHEET No.		REVISION		--	
1 OF 1					

SECTION A-A

MASS 4473 kg

6

5

4

3

2

1

6

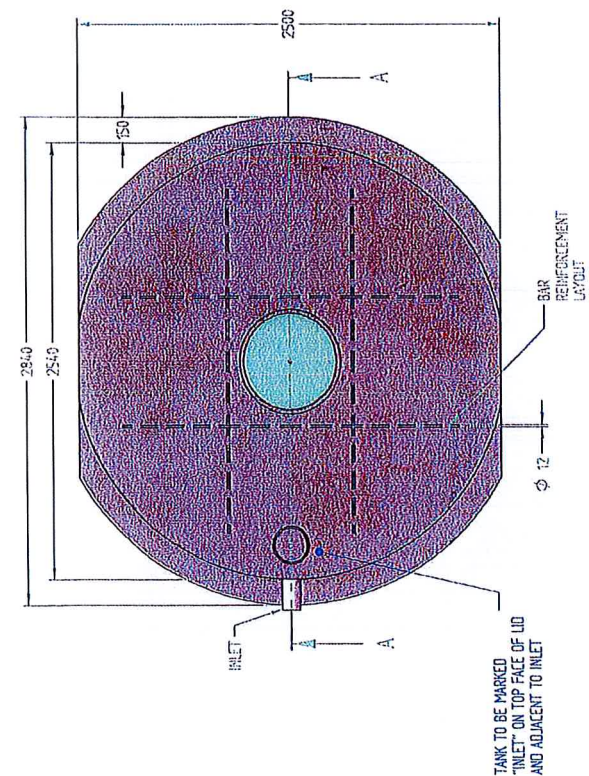
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4

3

2

1

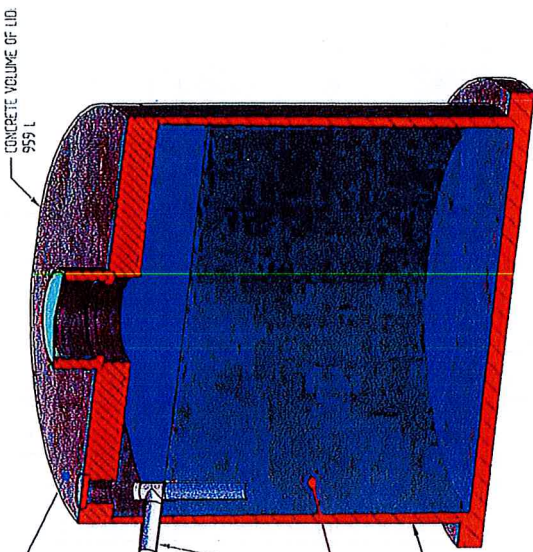


TANK TO BE MARKED "INLET" ON TOP FACE OF LID AND ADJACENT TO INLET

TANK ALSO TO BE MARKED ON TOP FACE OF LID AND ADJACENT TO INLET WITH:

- "ECONOCYCLE"
- DATE OF MANUFACTURE
- "CAPACITY = 9000L"
- "THE LID IS NOT TO BE LOADED OR COVERED IN ANY WAY OTHER THAN FOR INSPECTION"
- "COMBINED TANK AND LID WEIGHT = 6000kg"

DWN 100mm S16 PVC PIPE
CHAMBER VOLUME 9000 L
CONCRETE VOLUME OF TANK 1573 L



ACCREDITED
11 AUG 2022
NSW MINISTRY OF HEALTH

NOTES
GENERAL
1. SEPTIC TANKS MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546.1:2008

MARKING
TANK TO BE MARKED AS NOTED ON THIS DRAWING

- CONCRETE:**
1. CONCRETE STRENGTH $f_{c'} = 40\text{MPa}$
 2. SLUMP = 100mm
 3. MAXIMUM AGGREGATE SIZE = 10mm
 4. CONCRETE TO BE VIBRATED TO ENSURE THOROUGH COMPACTION
 5. TANKS TO BE REINFORCED WITH FIBRE STEEL OF 600MPa MINIMUM TENSILE STRENGTH - OR EQUIVALENT, MIXED TO ACHIEVE A MINIMUM OF 75kg/m³ OF CONCRETE
 6. LID TO BE REINFORCED WITH TWO LAYERS OF S172 STEEL MESH 30mm ABOVE THE BOTTOM
 7. LARGE LID INSPECTION HOLE TO BE REINFORCED WITH R12 DEFORMED BAR AS SHOWN
 8. ALL STEEL REINFORCEMENT TO AS/NZS 4671

ATTACHMENTS:

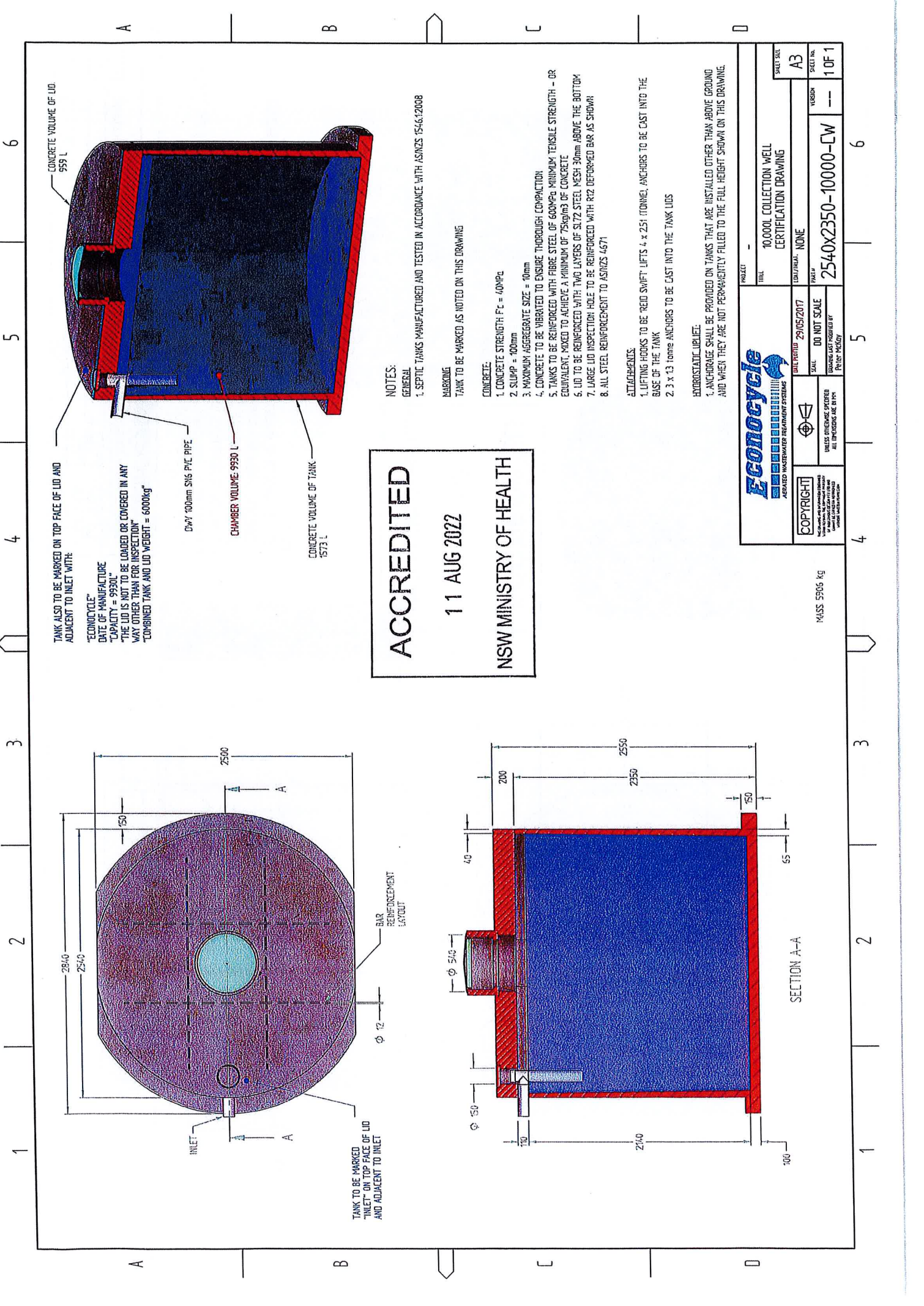
1. LIFTING HOOKS TO BE REID SWIFT LIFTS 4 x 25t (TONNE), ANCHORS TO BE CAST INTO THE BASE OF THE TANK
2. 3 x 13 1-tonne ANCHORS TO BE CAST INTO THE TANK LIDS

HYDROSTATIC UPLIFT:

1. ANCHORAGE SHALL BE PROVIDED ON TANKS THAT ARE INSTALLED OTHER THAN ABOVE GROUND AND WHEN THEY ARE NOT PERMANENTLY FILLED TO THE FULL HEIGHT SHOWN ON THIS DRAWING.

		PROJECT - TITLE 9000L COLLECTION WELL CERTIFICATION DRAWING	SHEET NO. A3 SHEET NO. 1 OF 1
DATE EDITED 29/05/2017	SCALE DO NOT SCALE	EXTERNAL NONE	VERSION --
UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM	DRAWING NOT FOR CONSTRUCTION	PROJECT NO. 2540X2350-9000-CW	DRAWING NO. --
COPYRIGHT The information contained herein is the property of Econocycle Pty Ltd. All rights reserved.	ECONOCYCLE AERATED WASTEWATER TREATMENT SYSTEMS	MASS 5906 kg	

SECTION A-A



TANK ALSO TO BE MARKED ON TOP FACE OF LID AND ADJACENT TO INLET WITH:

- "ECONOCYCLE"
- DATE OF MANUFACTURE
- "CAPACITY = 9930L"
- "THE LID IS NOT TO BE LOADED OR COVERED IN ANY WAY OTHER THAN FOR INSPECTION"
- "COMBINED TANK AND LID WEIGHT = 6000kg"

DWY 100mm S16 PVC PIPE

CHAMBER VOLUME - 9930 L

CONCRETE VOLUME OF TANK 1573 L

CONCRETE VOLUME OF LID 559 L

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11 AUG 2022
NSW MINISTRY OF HEALTH

NOTES:

GENERAL
1. SEPTIC TANKS MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546.1:2008

MARKING
TANK TO BE MARKED AS NOTED ON THIS DRAWING

CONCRETE:

1. CONCRETE STRENGTH $F_c = 40\text{MPa}$
2. SLUMP = 100mm
3. MAXIMUM AGGREGATE SIZE = 10mm
4. CONCRETE TO BE VIBRATED TO ENSURE THOROUGH COMPACTION
5. TANKS TO BE REINFORCED WITH FIBRE STEEL OF 600MPa MINIMUM TENSILE STRENGTH - OR EQUIVALENT, MIXED TO ACHIEVE A MINIMUM OF 75kg/m³ OF CONCRETE
6. LID TO BE REINFORCED WITH TWO LAYERS OF S172 STEEL MESH 30mm ABOVE THE BOTTOM
7. LARGE LID INSPECTION HOLE TO BE REINFORCED WITH R12 DEFORMED BAR AS SHOWN
8. ALL STEEL REINFORCEMENT TO AS/NZS 4671

ATTACHMENTS:

1. LIFTING HOOKS TO BE "RED SWIFT" LIFTS 4 x 25t (TONNE), ANCHORS TO BE CAST INTO THE BASE OF THE TANK
2. 3 x 13 tonne ANCHORS TO BE CAST INTO THE TANK LIDS

HYDROSTATIC UPLIFT:

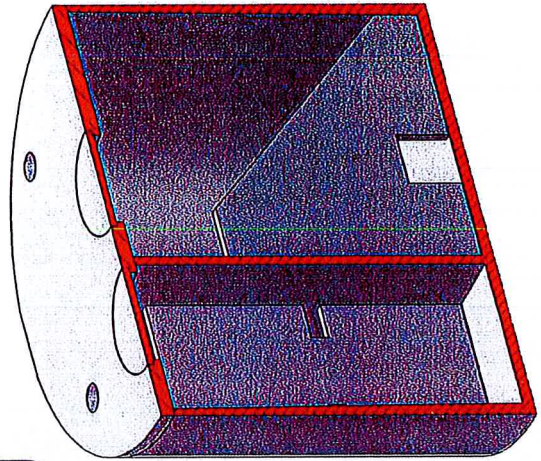
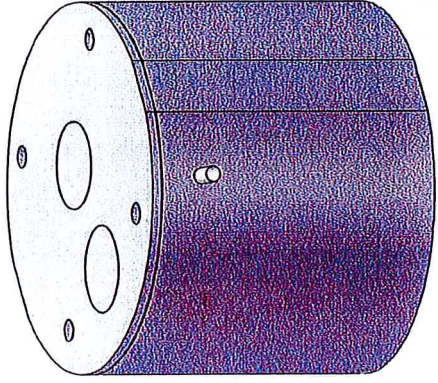
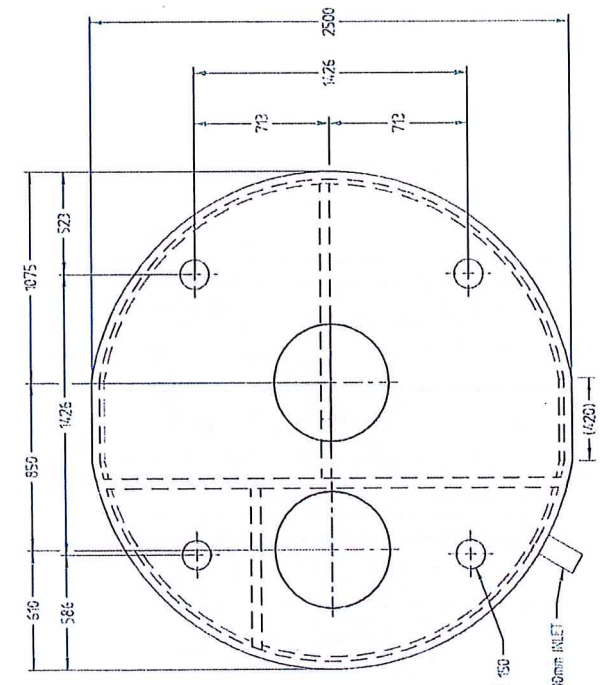
1. ANCHORAGE SHALL BE PROVIDED ON TANKS THAT ARE INSTALLED OTHER THAN ABOVE GROUND AND WHEN THEY ARE NOT PERMANENTLY FILLED TO THE FULL HEIGHT SHOWN ON THIS DRAWING.

<p>Econocycle AERATED WASTEWATER TREATMENT SYSTEMS</p>	PROJECT	-	
	TITLE	10,000L COLLECTION WELL CERTIFICATION DRAWING	
<p>COPYRIGHT THIS DRAWING IS UNREGISTERED AND NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, WITHOUT THE WRITTEN PERMISSION OF ECONOCYCLE.</p>	DATE	29/05/2017	REVISED
	SCALE	DO NOT SCALE	REVISION
<p>UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN mm</p>	PROJECT NO.	2540x2350-10000-LW	SHEET NO.
			1 OF 1

MASS 5905 kg

SECTION A-A

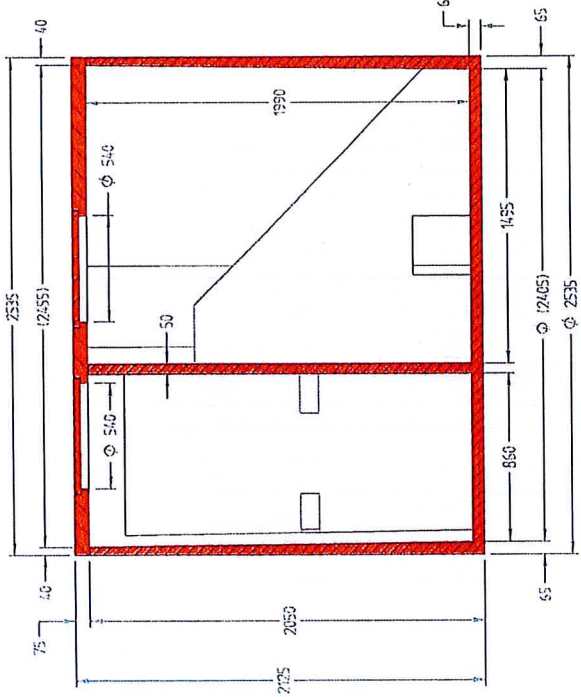
1 2 3 4 5 6



ACCREDITED
 11 AUG 2022
 NSW MINISTRY OF HEALTH

NOTES:

1. SEPTIC TANKS TO BE MANUFACTURED AND TESTED IN ACCORDANCE WITH AS/NZS 1546.1:2008
2. CONCRETE STRENGTH = 40MPa
3. CONCRETE TO BE VIBRATED TO ENSURE WELL COMPACTED CONCRETE
4. TANKS TO BE REINFORCED WITH FIBRE STEEL
5. LIFTING TO BE "REID SWIFT LIFTS" 4 x 2.5 TONNE FOOT ANCHORS CAST INTO BASE OF THE TANK, 3 x 1.5 TONNE ANCHORS CAST INTO TANK LIDS



		PROJECT: PUMP/OUT COMBO TITLE: 7100L CONCRETE TANK ASSY NSW HEALTH CERTIFICATION DRAWING		SHEET NO. A3
MADE IN AUSTRALIA ALL DIMENSIONS ARE IN MM		DATE: 10/09/2013 DRAWING NO.: 10/09/2013		PART NO. 124_1010 B2
SCALE: 1:1 DRAWN BY: P. PERRY CHECKED BY: P. PERRY		DATE: 10/09/2013 DRAWING NO.: 10/09/2013		PART NO. 124_1010 B2
COPYRIGHT © NSW HEALTH DEPARTMENT ALL RIGHTS RESERVED		PROJECT NO. 124_1010 B2		SHEET NO. 1 OF 1

1 2 3 4 5 6