



TREATMENT PERFORMANCE RESULTS

PIA-SR66-1708-1084.02

Gerry Delaney Precast Concrete

Beaugh, Curragh West, Dunore, Co. Galway Ireland

EN 12566-3

Results corresponding to EN 12566-3 and S.R. 66

EIRE ECOWISE

Moving bed reactor

Nominal organic daily load (influent)	0.29 kg BOD ₅ /d		
Nominal hydraulic daily load	0.90 m ³ /d		
Material	Concrete		
Watertightness	Pass		
Crushing resistance (crushing resistance)	Pass (also wet conditions)		
Durability	Pass		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	91.1 %	60 mg/l
	BOD ₅	95.8 %	13 mg/l
	NH ₄ -N*	73.7 %	10.2 mg/l
	SS	95.3 %	20 mg/l
Electrical consumption	2.1 kWh/d		
Number of desludging	Not more than once		

** determined for temperatures $\geq 12^{\circ}$ C in the bioreactor*

Tested by:

PIA – Prüfinstitut für Abwassertechnik GmbH

(PIA GmbH)

Hergenrather Weg 30

52074 Aachen, Germany

This document replaces neither the declaration of performance nor the CE marking.



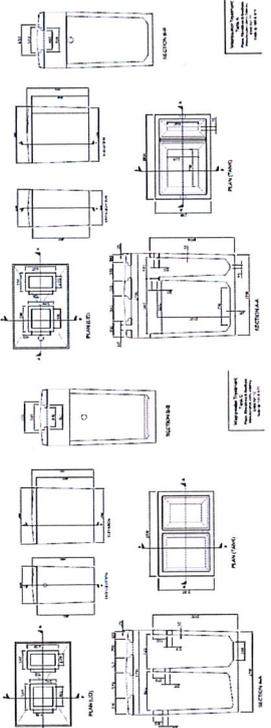
Notified Body
No.: 1739

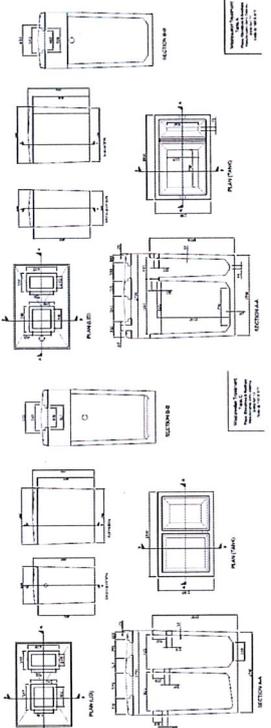


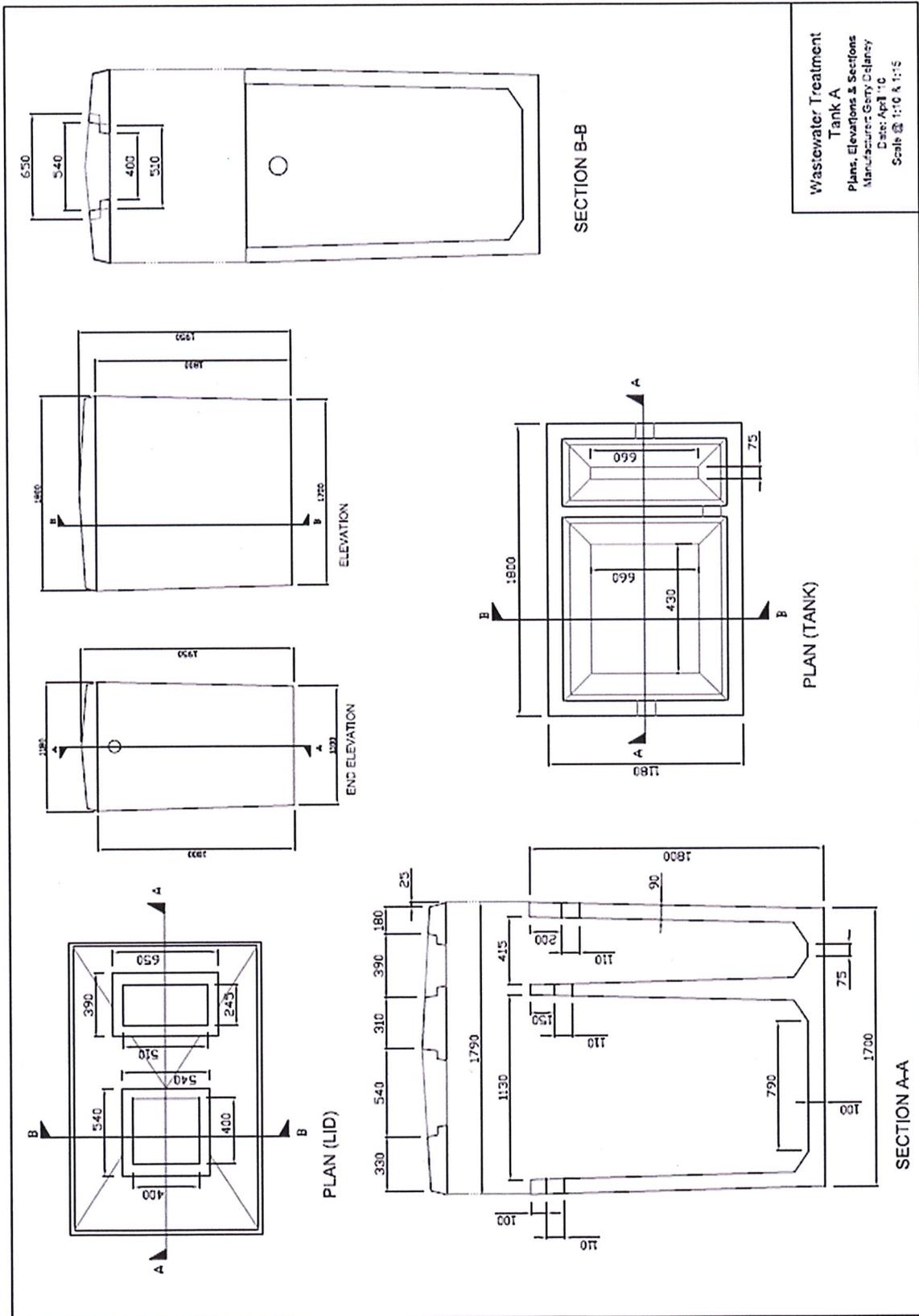
Certified according to
ISO 9001:2015

EIRE ECOWISE range and its referring test reports:

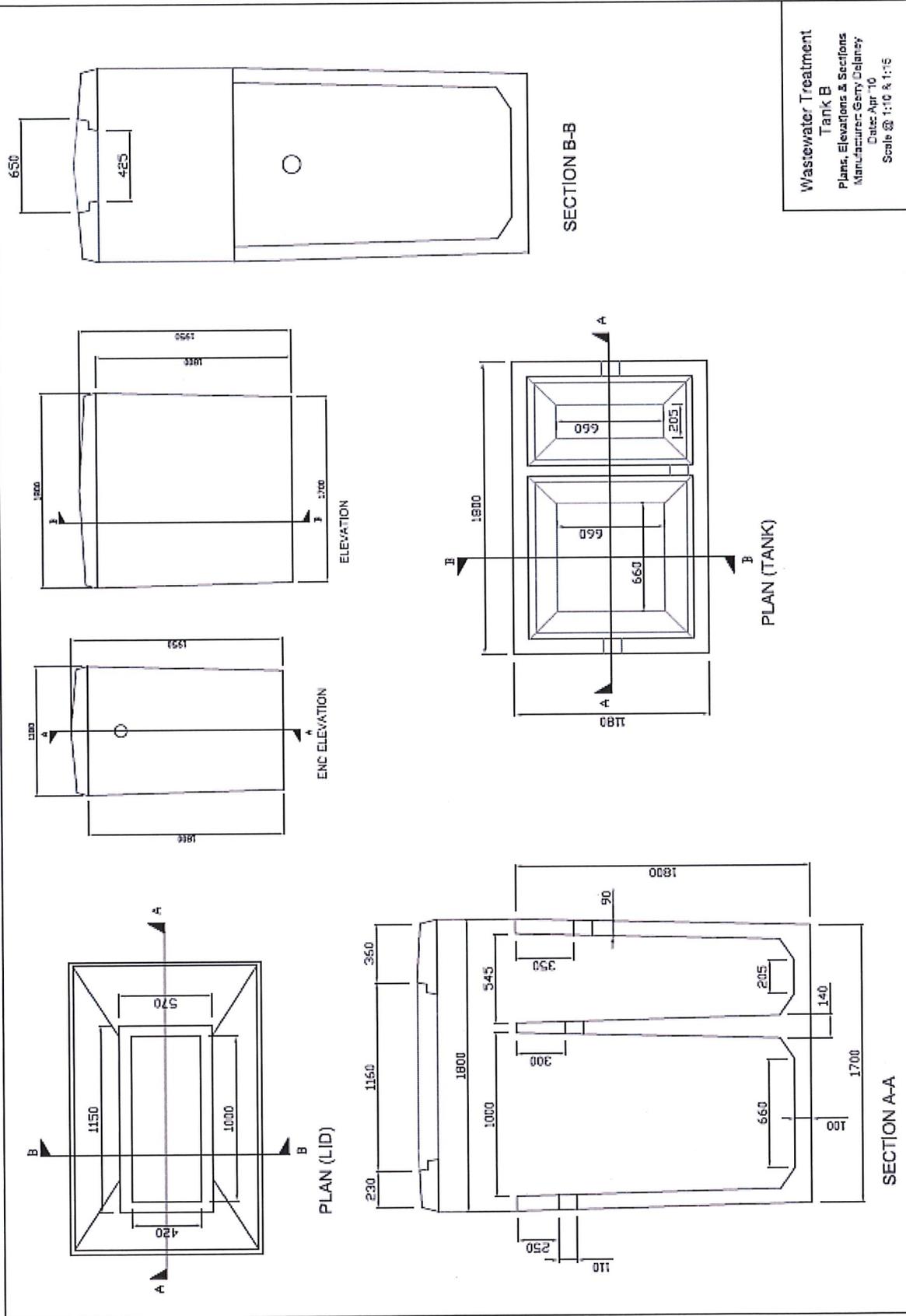
Name of the model and/or population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
<p>Initial Type Test (ITT)</p> <p>6</p>		<p>Pass</p> <p>PIA2012-135B09.01</p>	<p>Pass</p> <p>PIA2012-135B09.01</p>	<p>Pass</p> <p>For wet ground conditions also, installation depth 0.50 m from inlet invert</p>	<p>Pass</p> <p>BHP/MTI/120 1.7 15/01/14</p>

Name of the model and/or population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
Initial Type Test (ITT) 7		Pass PIA2012-135B09.01	Pass PIA2012-135B09.01	Pass PIA2015-ST-BT-1201-1005 For wet ground conditions also, installation depth 0.50 m from inlet invert	Pass BHP/MTI/120 1.7 15/01/14

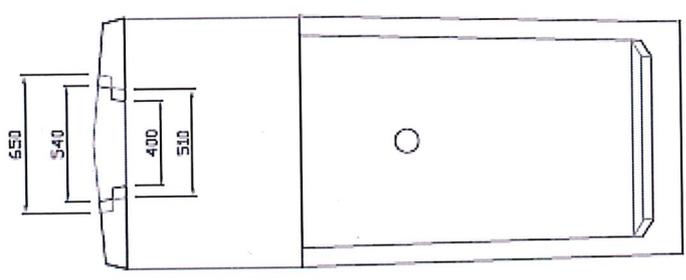
Name of the model and/or population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
8		<p>Pass</p> <p>PIA2012-135B09.01</p>	<p>Pass</p> <p>Range conformity check according to S.R. 66:2015</p>	<p>Pass</p> <p>PIA2015-ST-BT-1201-1005</p> <p>For wet ground conditions also, installation depth 0.50 m from inlet invert</p>	<p>Pass</p> <p>BHP/MTI/120 1.7 15/01/14</p>



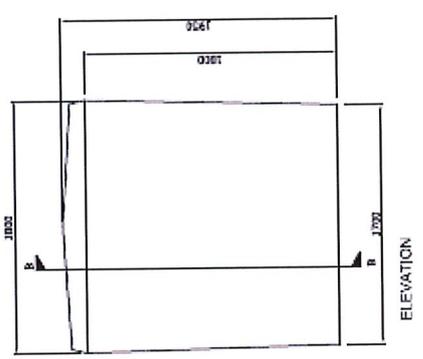
Wastewater Treatment
 Tank A
 Plans, Elevations & Sections
 Manufactured: Gerry Delaney
 Date: April '10
 Scale: 1:10 & 1:5



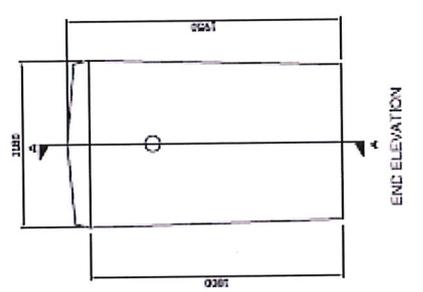
Wastewater Treatment
 Tank B
 Plans, Elevations & Sections
 Manufacturer: Gentry Delaney
 Date: Apr '10
 Scale @ 1:10 & 1:15



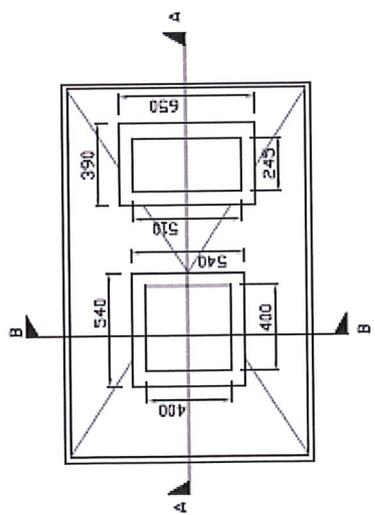
SECTION B-B



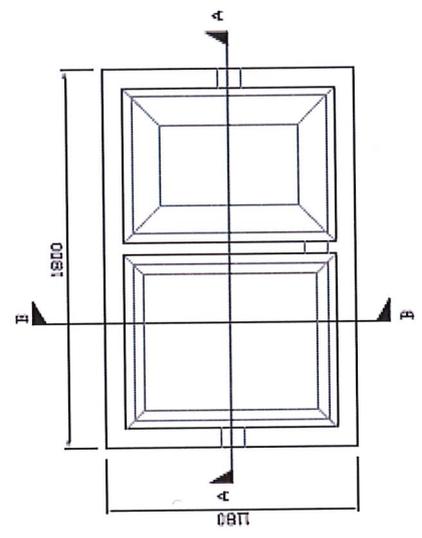
ELEVATION



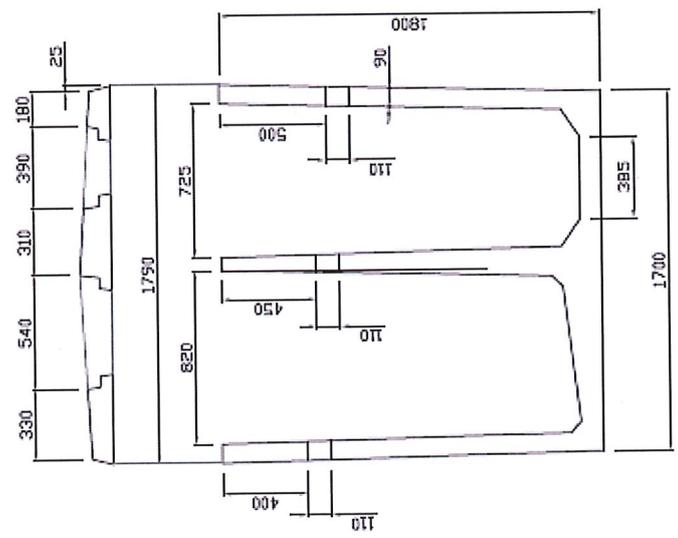
END ELEVATION



PLAN (LID)

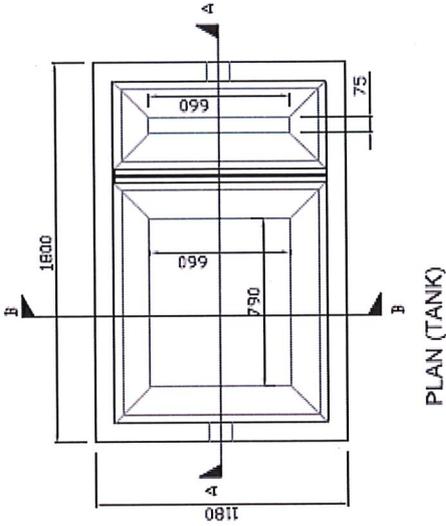
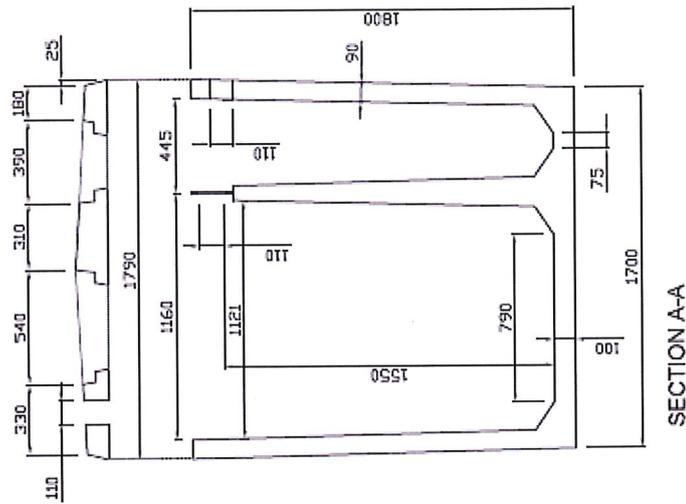
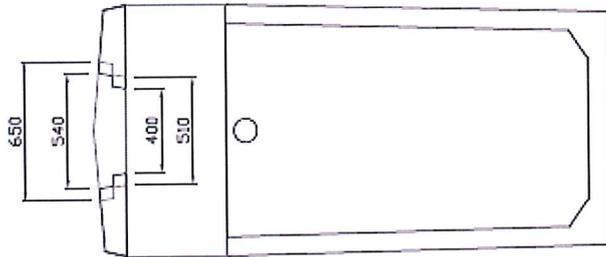
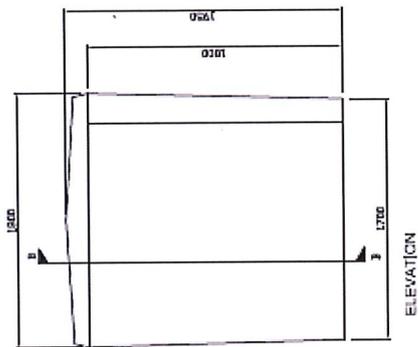
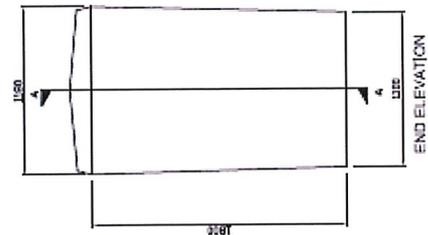
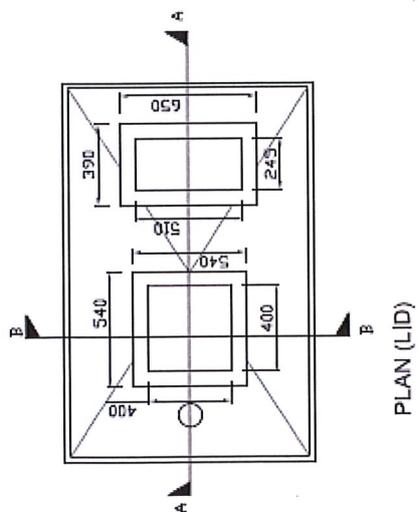


PLAN (TANK)

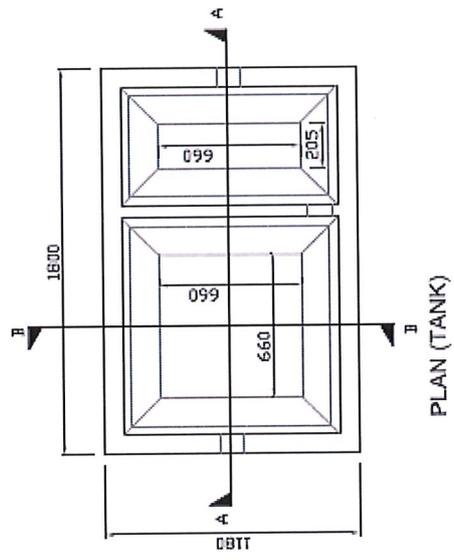
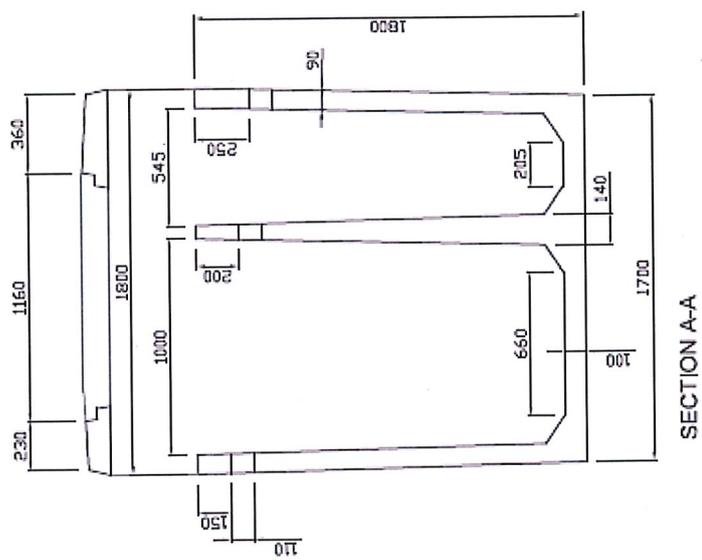
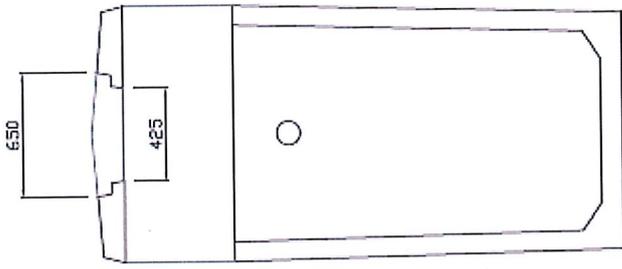
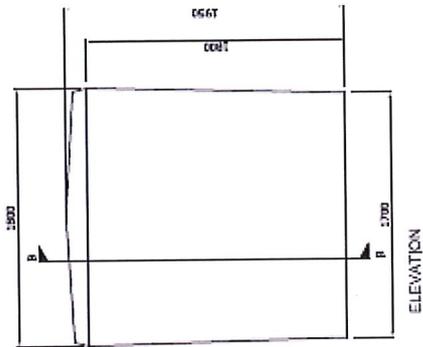
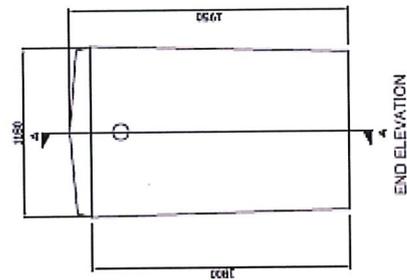
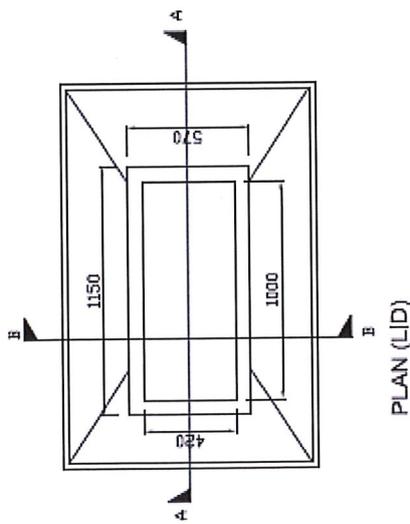


SECTION A-A

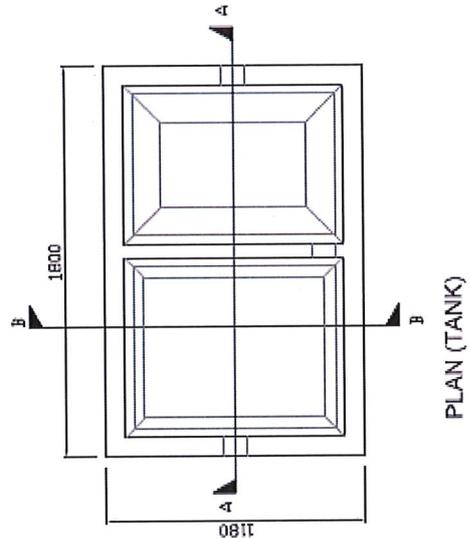
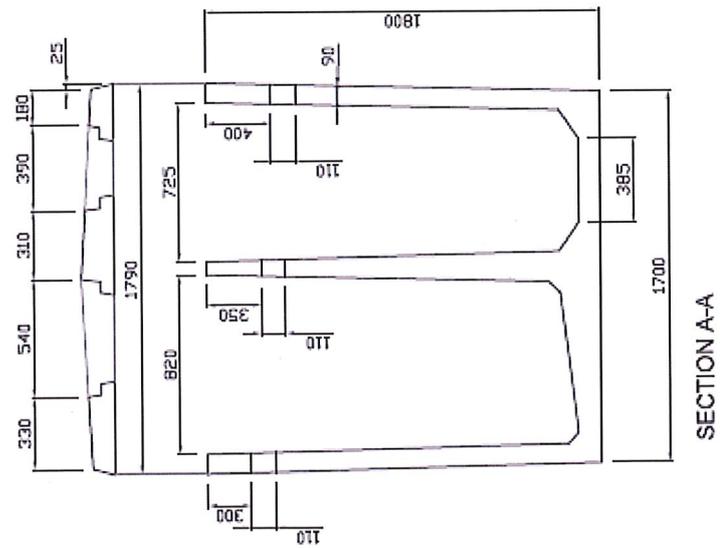
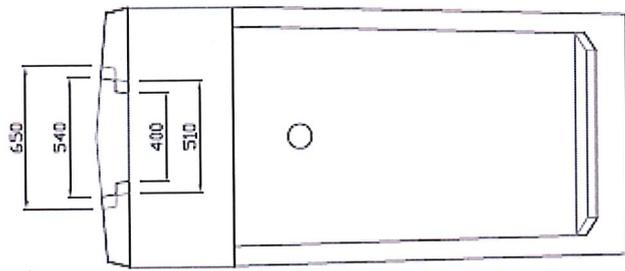
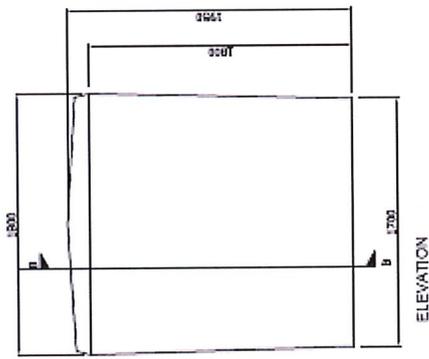
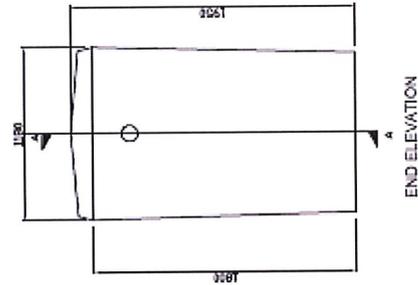
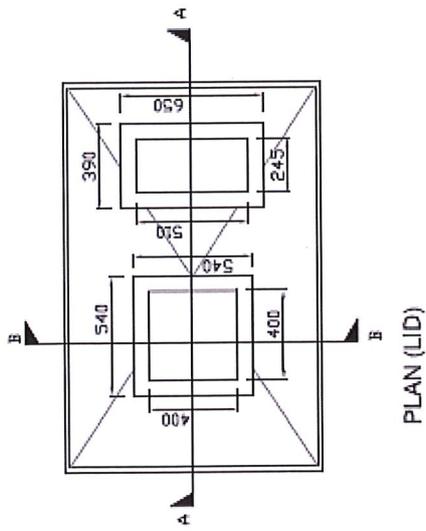
Wastewater Treatment
Tank C
Plans, Elevations & Sections
Manufacturer: Gerry Delaney
Date: Apr '10
Scale @ 1:10 & 1:15



Wastewater Treatment
Tank A
Plans, Elevations & Sections
Manufacturer: Berry Delaney
Date: Oct '17
Scale @ 1:10 & 1:15



Wastewater Treatment
 Tank B
 Plans, Elevations & Sections
 Manufacturer: Gerry Delaney
 Date: Apr '10
 Scale @ 1:10 & 1:15



Wastewater Treatment
Tank C
Plans, Elevations & Sections
Manufacturer: Gerry Delaney
Date: Apr-10
Scale @ 1:10 & 1:16