



TREATMENT PERFORMANCE RESULTS

O'Reilly Oakstown Environmental Ltd.
Oakstown, Trim, Co. Meath, Ireland

EN 12566-3

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

PIA-SR66-1603-1036

Oakstown BAF System

Submerged aerated fixed film bioreactor

Nominal organic daily load	0.38 kg/d		
Nominal hydraulic daily load	1.20 m ³ /d		
Material	Concrete		
Watertightness	Pass		
Structural behaviour (Calculation)	Pass (also wet conditions)		
Durability	Pass		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	93.0 %	46 mg/l
	BOD ₅	97.5 %	8 mg/l
	NH ₄ -N	61.0 %	13 mg/l
	SS	96.7 %	12 mg/l
Number of desludging	Not more than once		
Electrical consumption	2.0 kWh/d		

Performance 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



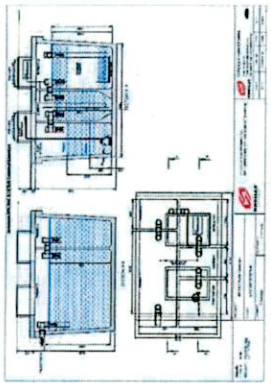
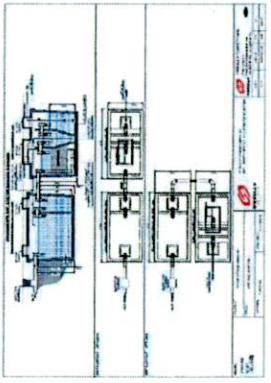
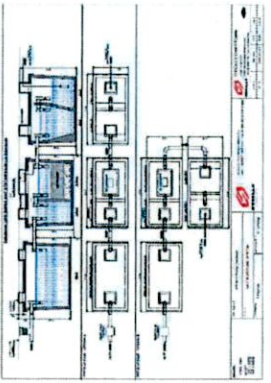
Certified according to
ISO 9001:2008

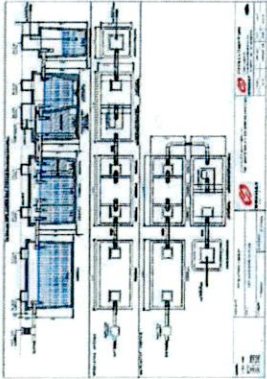
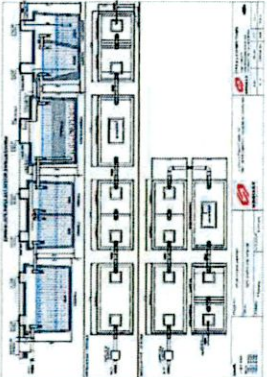


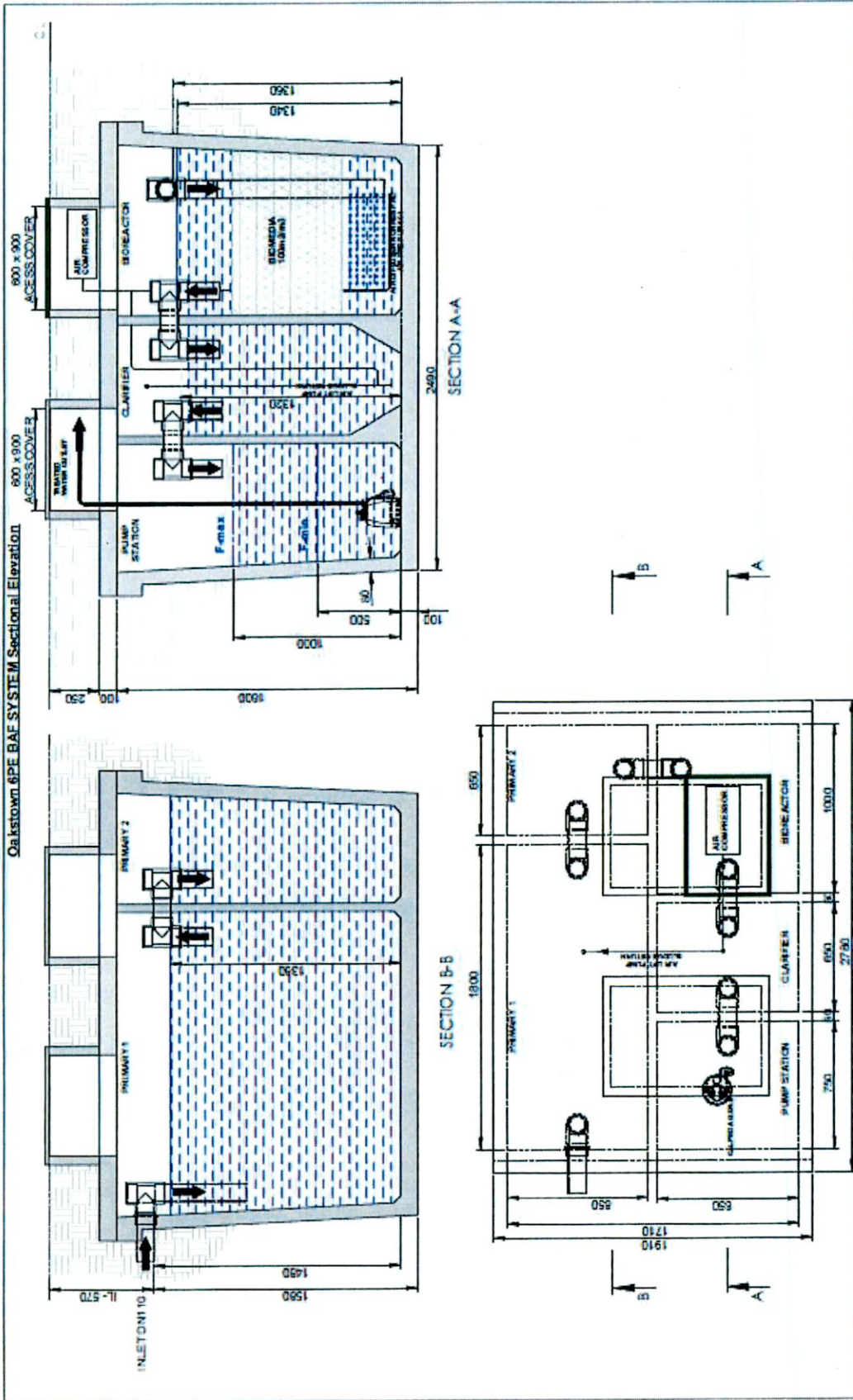
Elmar Lancé

January 2017

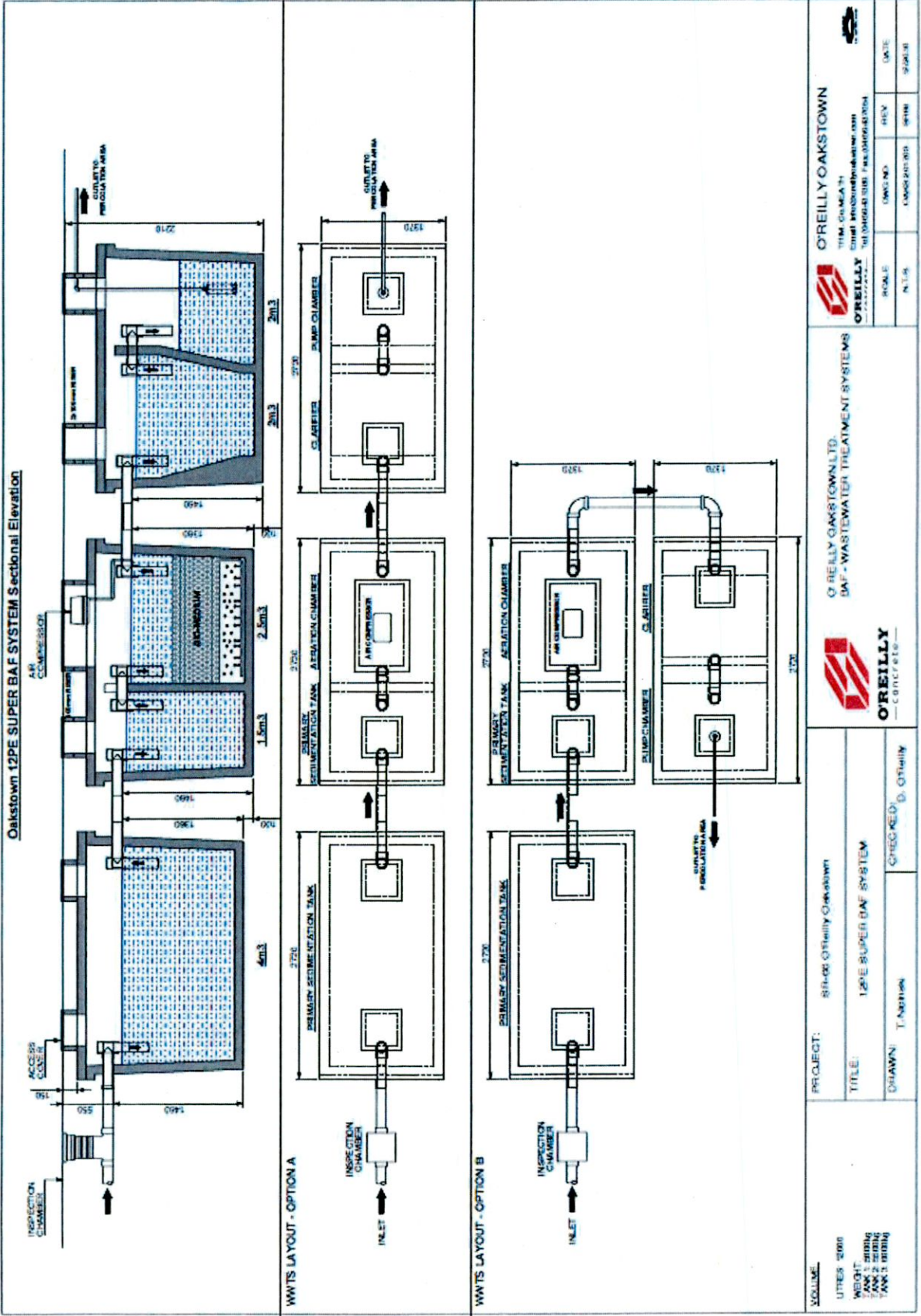
Oakstown BAF range and its referring test reports:

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
6 PE		Pass PIA2016-WD-1603-1036.02	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, installation depth 1.50 m from inlet invert	Pass PIA2017-DH-1603-1036.01
Initial Type Test (ITT) 8 PE		Pass PIA2012-WD/NC-1209-1059	Pass PIA2008-094B04	Pass PIA2009-ST-AT0809-1071 For wet ground conditions also, installation depth 1.50 m from inlet invert	Pass PIA2017-DH-1603-1036.01
12		Pass PIA2016-WD-1603-1036.01	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, installation depth 1.50 m from inlet invert	Pass PIA2017-DH-1603-1036.01

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
16		Pass PIA2016-WD-1603-1036.01	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, installation depth 1.50 m from inlet invert	Pass PIA2017-DH-1603-1036.01
20		Pass PIA2016-WD-1603-1036.01	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions also, installation depth 1.50 m from inlet invert	Pass PIA2017-DH-1603-1036.01

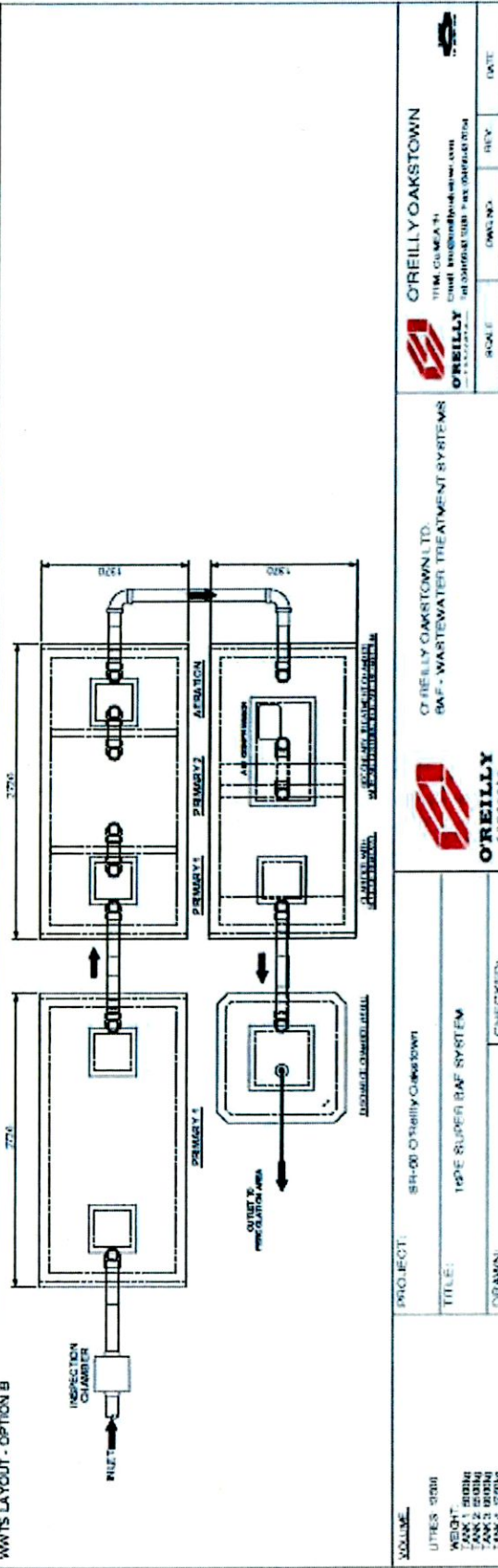
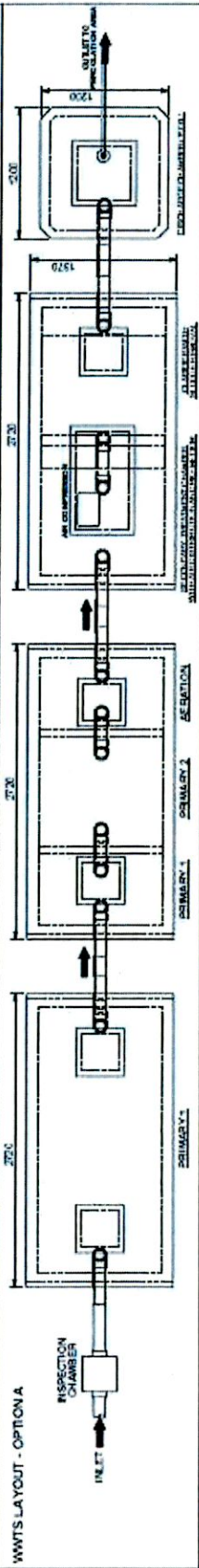
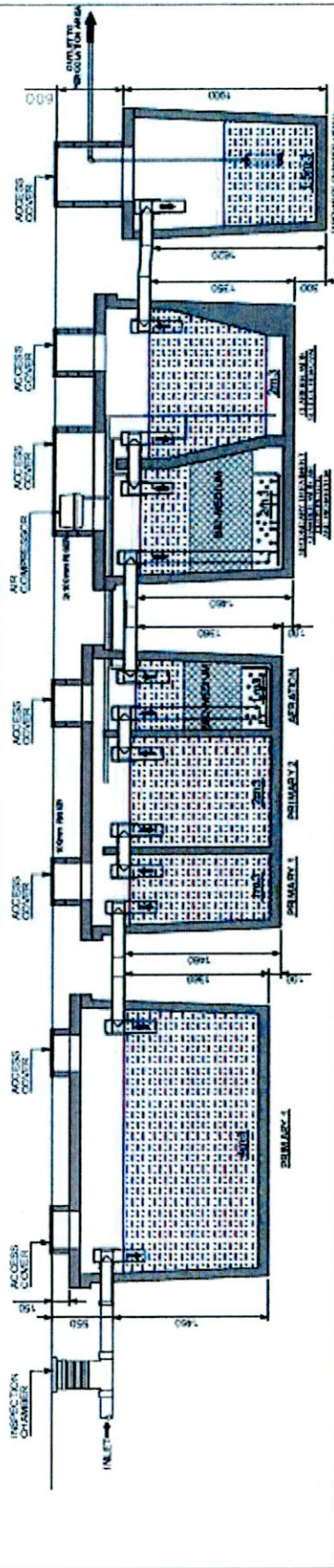


VOLUME: 6730 LITRES: TANK 65000 WEIGHT: LID 1010KG	PROJECT: BR 08 O'Reilly Oakstown TITLE: 6 PE BAF SYSTEM	PROJECT: O'REILLY OAKSTOWN BAF - WASTEWATER TREATMENT SYSTEM		O'REILLY OAKSTOWN TTM, Co. Wick Email: info@oreilly.com Tel: 0404 041 000 Fax: 0404 041 000	NO. 1 DATE:
	DRAWN: T. Naranke CHECKED: D. O'Shealy				NO. 2 DATE:

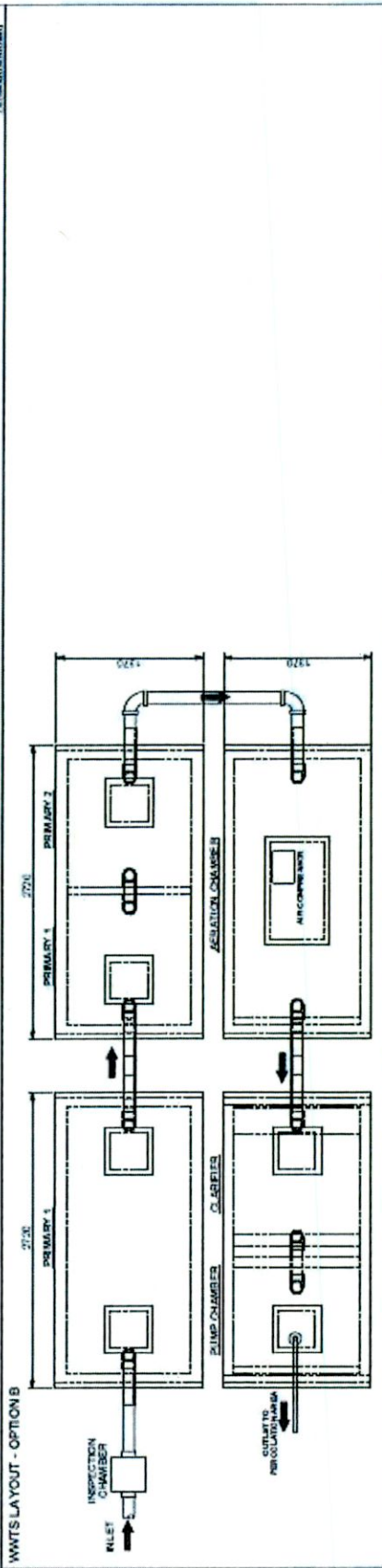
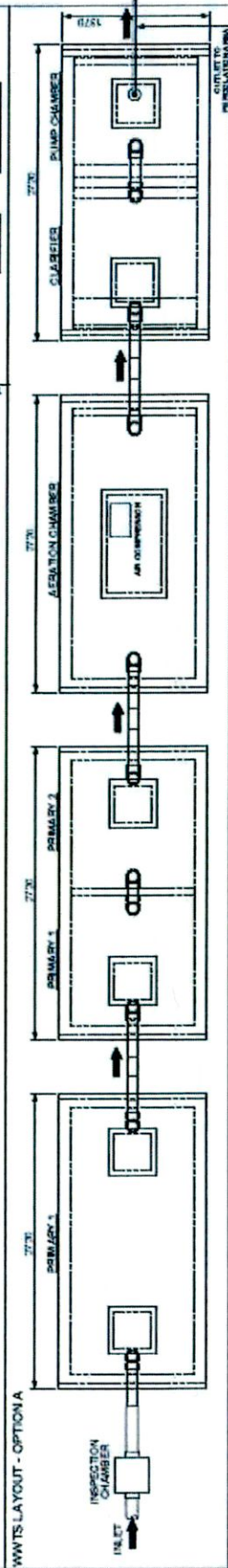
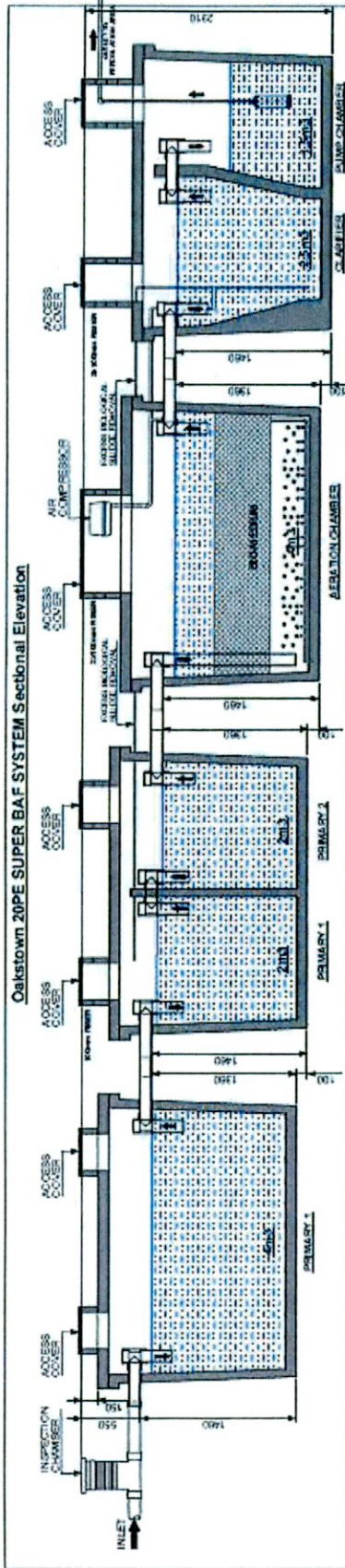


VOLUME LITRES: 2000 WEIGHT: 2000kg TANK 2: 2000kg TANK 3: 2000kg	PROJECT: SR1-06 O'Reilly Oakstown	 O'REILLY OAKSTOWN WASTE WATER TREATMENT SYSTEMS	SCALE: N.T.S.	DATE: 09/04/18
	TITLE: 12PE SUPER BAF SYSTEM		REVISED BY: D. O'Reilly	REV: 01/18
DRAWN: T. Norman	CREATED: D. O'Reilly	 O'REILLY CONCRETE	OWTS NO: 100004217-010	REV: 01/18
		O'REILLY OAKSTOWN LTD. BAF - WASTEWATER TREATMENT SYSTEMS	OWTS NO: 100004217-010	DATE: 09/04/18

Oakstown 16PE SUPER BAF SYSTEM Sectional Elevation



VOLUME LITRES - 9300 WEIGHT TANK 1 8000kg TANK 2 8000kg TANK 3 7000kg	PROJECT: SR-06 Oakstown	O'REILLY OAKSTOWN LTD BAF - WASTEWATER TREATMENT SYSTEMS	O'REILLY OAKSTOWN 111M GLEN A ST Email: info@oreillyoakstown.com Tel: 01876 411 111 Fax: 01876 411 114
	TITLE: 16PE SUPER BAF SYSTEM	O'REILLY - CONCRETE -	SCALE: N.T.S. DWG NO: 16PE CORR: 16PE/01
DRAWN: T. NOLAN	CHECKED: D. O'RIELLY		



VOLUME LITRES 4000 WEIGHT 1000kg TANK 1 2000kg TANK 2 2000kg TANK 3 2000kg TANK 4 2000kg	PROJECT: SR-00 O'Reilly Oakstown	 O'REILLY OAKSTOWN LTD. BAF - WASTEWATER TREATMENT SYSTEMS	O'REILLY OAKSTOWN 111M COLLEGE ST KILKILMEAD, CO. DUBLIN 14 TEL: 01-808-2000 FAX: 01-808-2001	REV: 1 DATE: 03/04/11
	TITLE: 20PE SUPER BAF SYSTEM		DRAWN: T. NOLAN	CHECKED: D. O'REILLY