

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

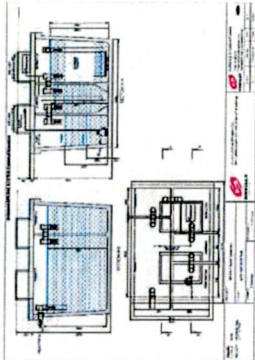
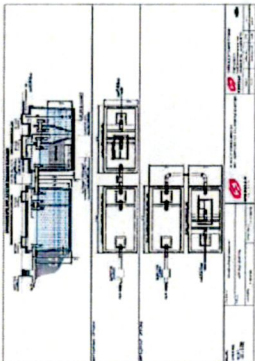
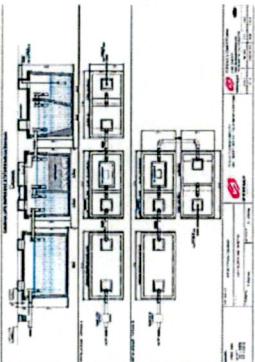


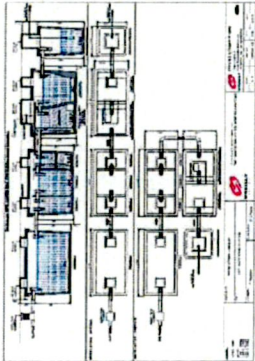
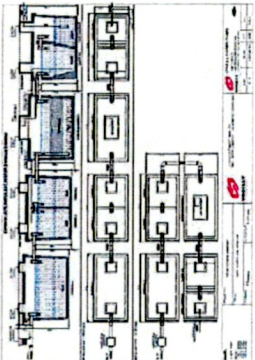
Prüfinstitut für Abwassertechnik GmbH
Elmar Lancé
geprüft - tested - teste

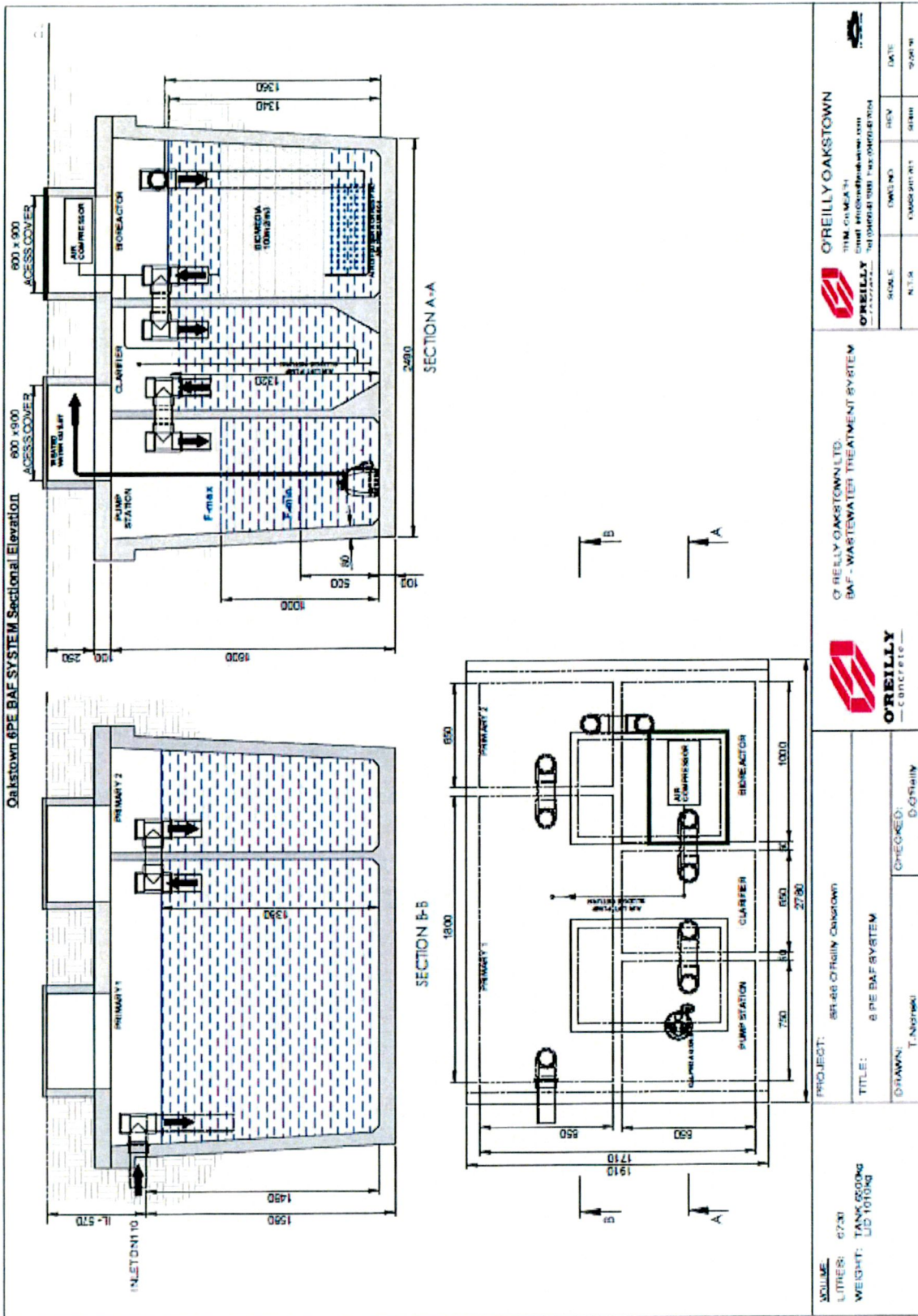
Elmar Lancé

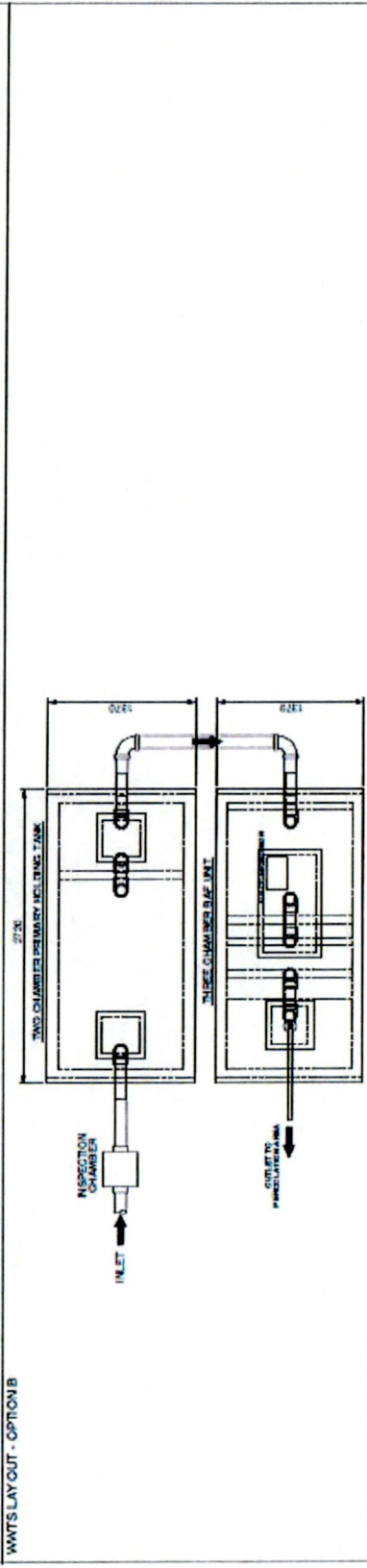
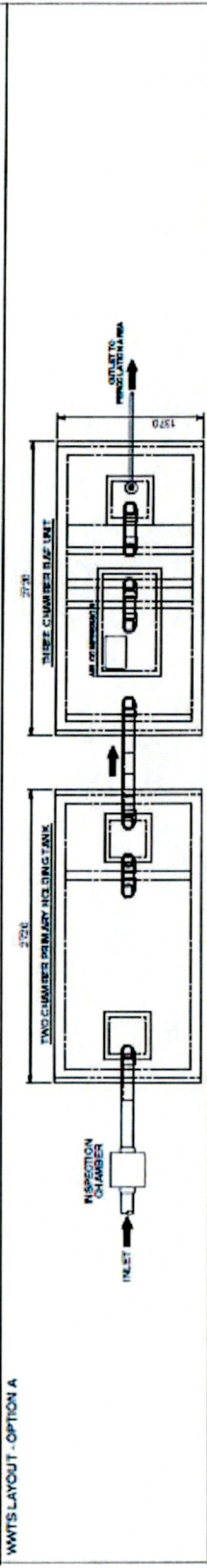
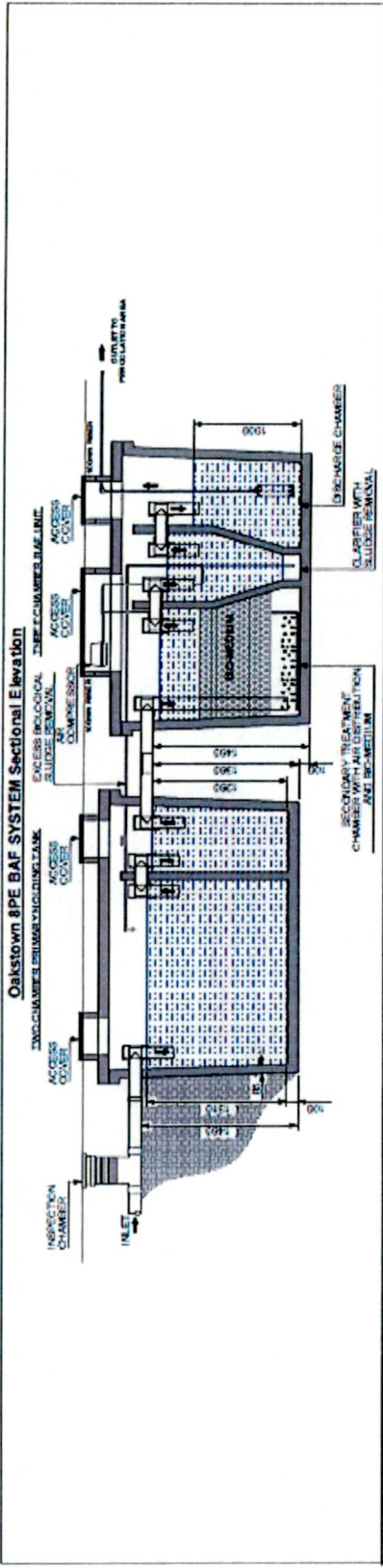
January 2017

Oakstown BAF range and its referring test reports:

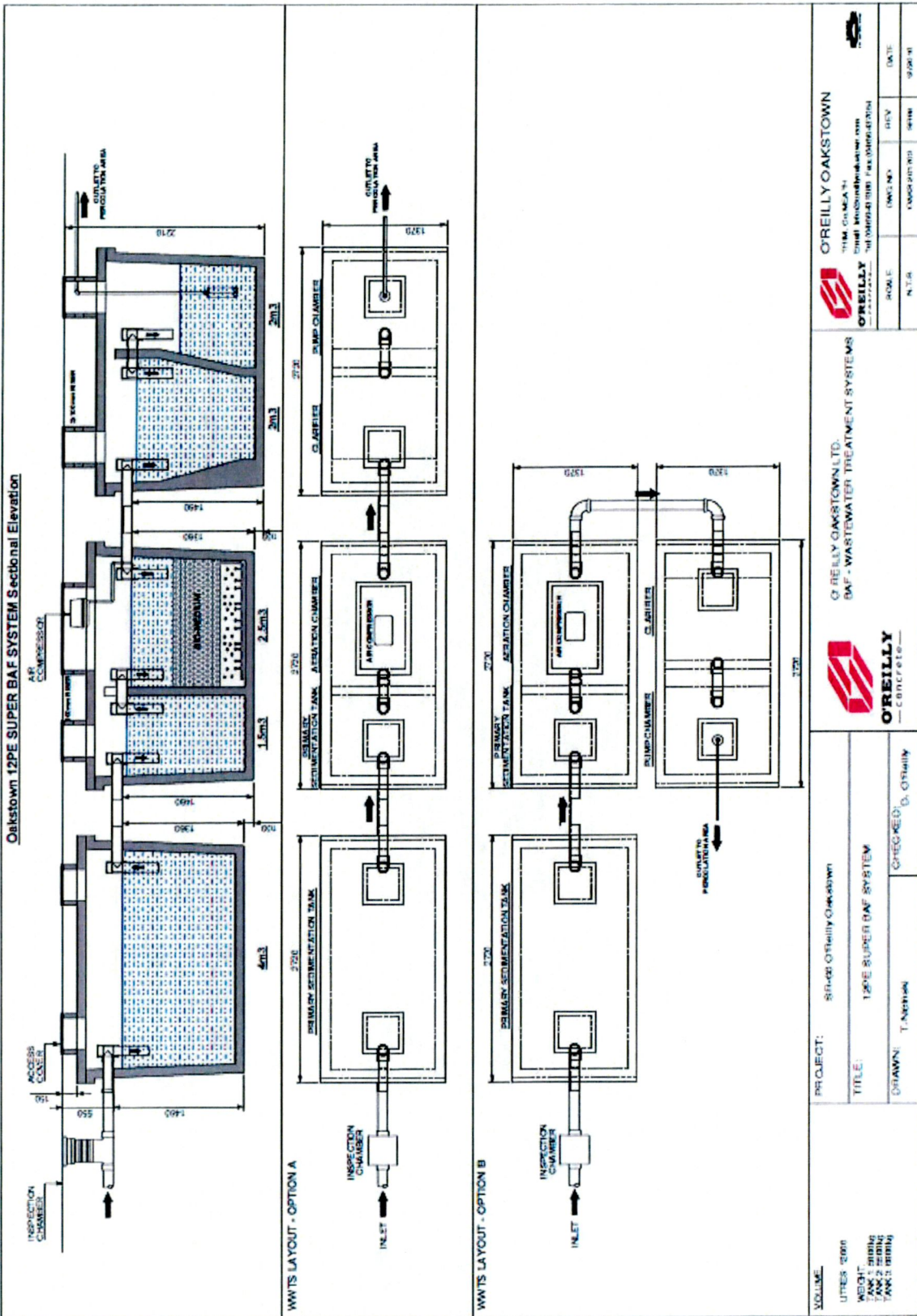
Population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
6 PE		Pass PIA2016-WD-1603-1036.02	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions 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 LITRES (M3) WEIGHT TANK 1 (M3M) TANK 2 (M3M)	PROJECT: 8PE BAF SYSTEM	O'REILLY OAKSTOWN WASTE WATER TREATMENT SYSTEMS	O'REILLY OAKSTOWN LTD. BAF - WASTEWATER TREATMENT SYSTEMS	DRAWN: T. NIGRAK	CHECKED: D. O'REILLY
	TITLE: 8PE BAF SYSTEM			PROJECT NO: 1000000000	REV: 01

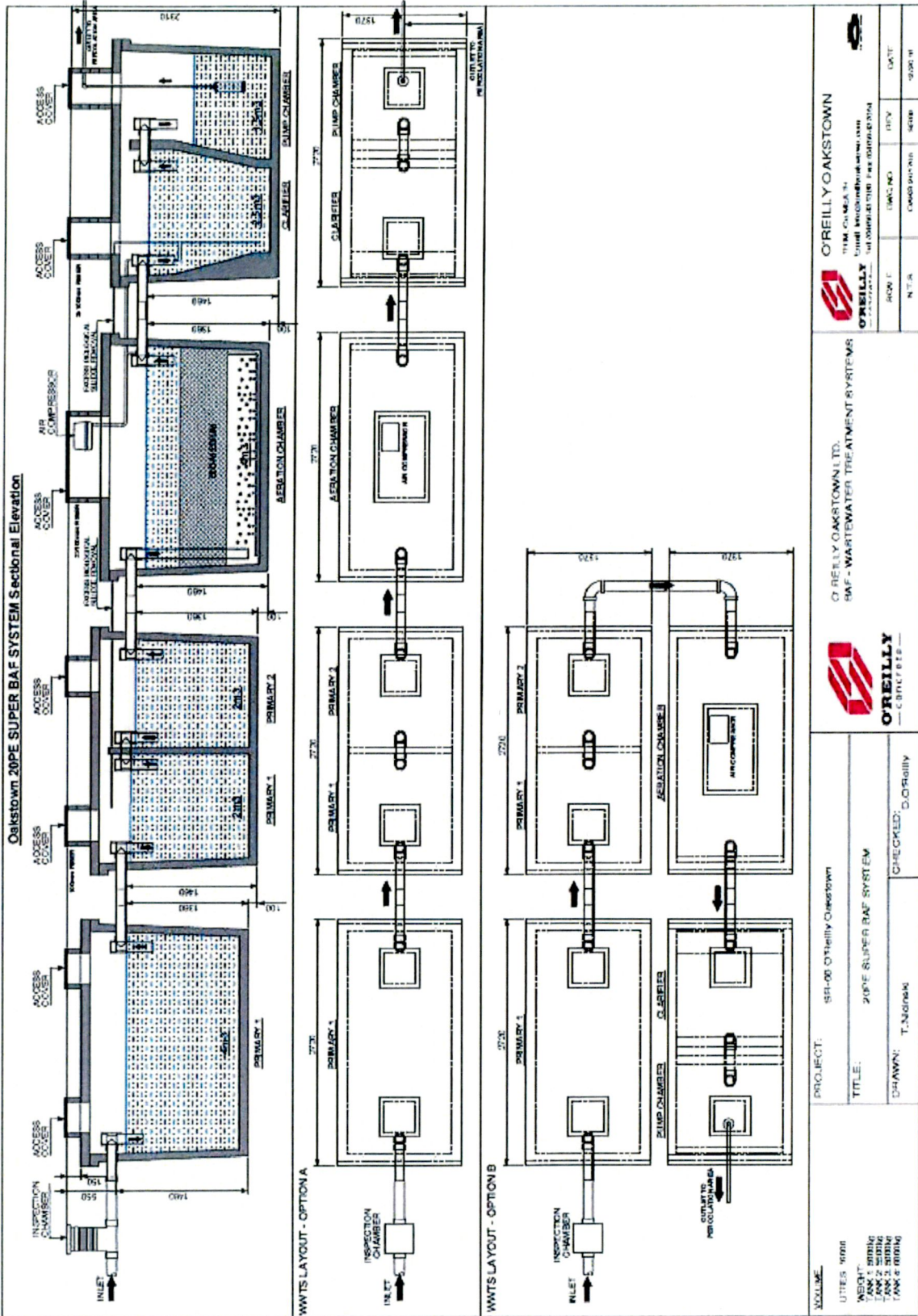


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O'REILLY OAKSTOWN LTD.
 BAF - WASTEWATER TREATMENT SYSTEMS

O'REILLY
 — CONCEPT —

VOLUME:	SR66-010111-Oakstown
UTILES: SEW:	12PE SUPER BAF SYSTEM
WASOUT:	
TANK 1: BUILDING:	
TANK 2: BUILDING:	
TANK 3: BUILDING:	
DRAWN:	T. Nathan
CHECKED:	D. O'Reilly



VOXALIME UTILES 9000 WEGHT TANK 1 STRIBIG TANK 2 STRIBIG TANK 3 STRIBIG TANK 4 STRIBIG TANK 5 (RUBING)	PROJECT: SR-06 O'Reilly Oakstown TITLE: 20PE SUPER BAF SYSTEM DRAWN: T.Nolan CHECKED: D.O'Reilly	OREILLY OAKSTOWN THE CHIEF Civil Engineering OREILLY CONSULTANTS CIVIL ENGINEERS	DATE: 2008 W REV: 0 DRAWN BY: T.Nolan CHECKED BY: D.O'Reilly
	PROJECT: SR-06 O'Reilly Oakstown TITLE: 20PE SUPER BAF SYSTEM DRAWN: T.Nolan CHECKED: D.O'Reilly	OREILLY OAKSTOWN LTD. BAF - WASTEWATER TREATMENT SYSTEMS OREILLY CONSULTANTS CIVIL ENGINEERS	OREILLY OAKSTOWN THE CHIEF Civil Engineering OREILLY CONSULTANTS CIVIL ENGINEERS