



Prüfinstitut für
Abwassertechnik
GmbH

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

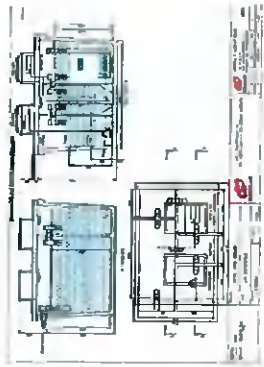
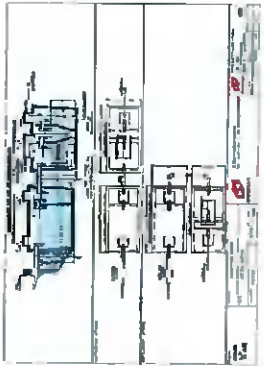




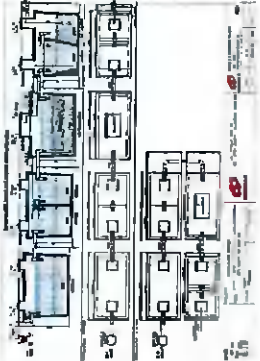
Prüfinstitut für Abwassertechnik GmbH
Elmar Lancé
geprüft - tested - teste

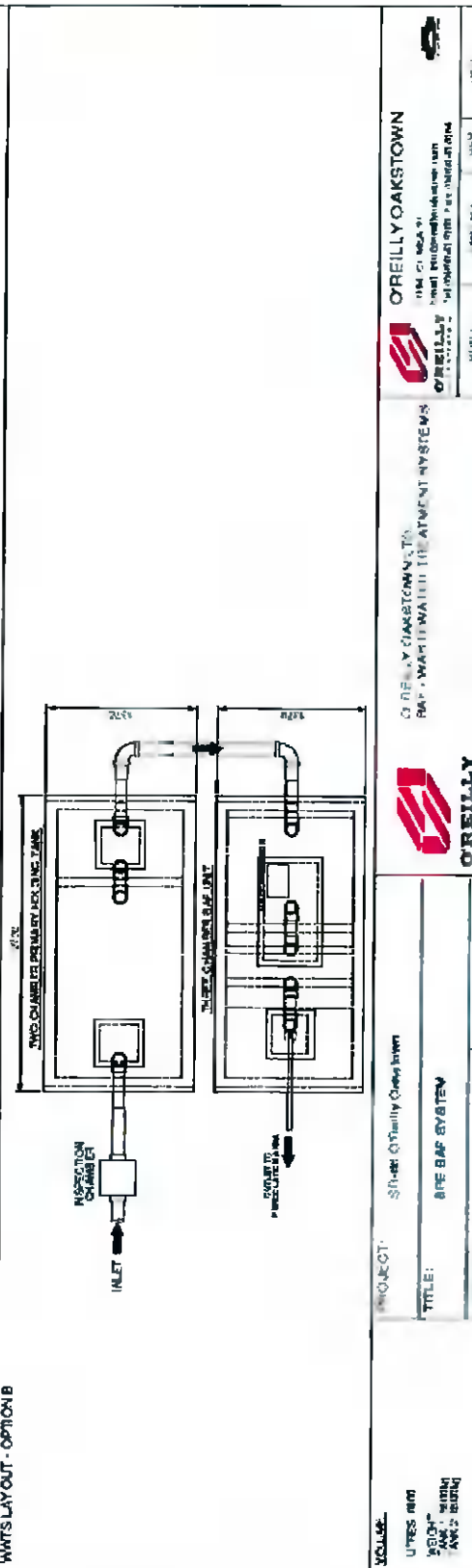
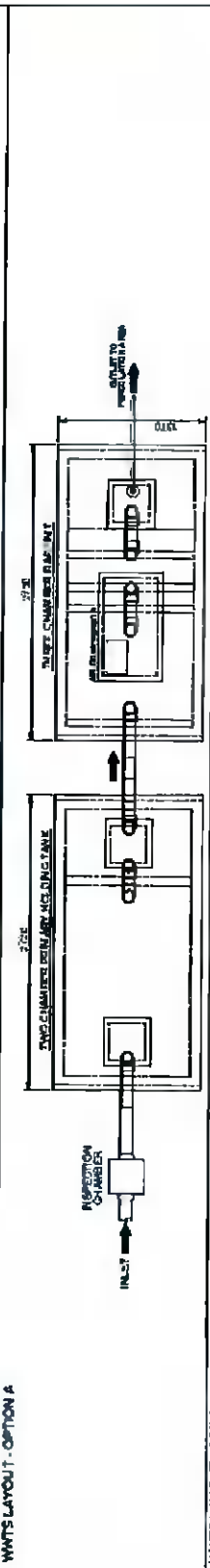
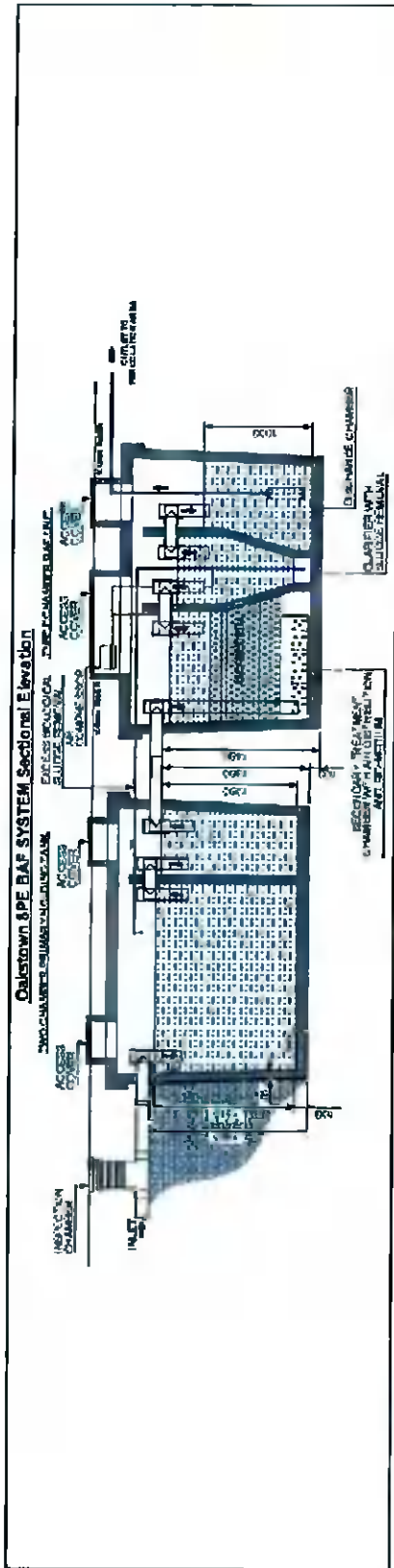
Elmar Lancé

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



SCALE:
 UP TO 1/8" = 1'-0"
 1/8" = 1'-0"
 1/4" = 1'-0"
 1/2" = 1'-0"
 1" = 1'-0"

PROJECT: Street Quality Collection

TITLE: BAF BAF SYSTEM

DRAWN: T. Madrik

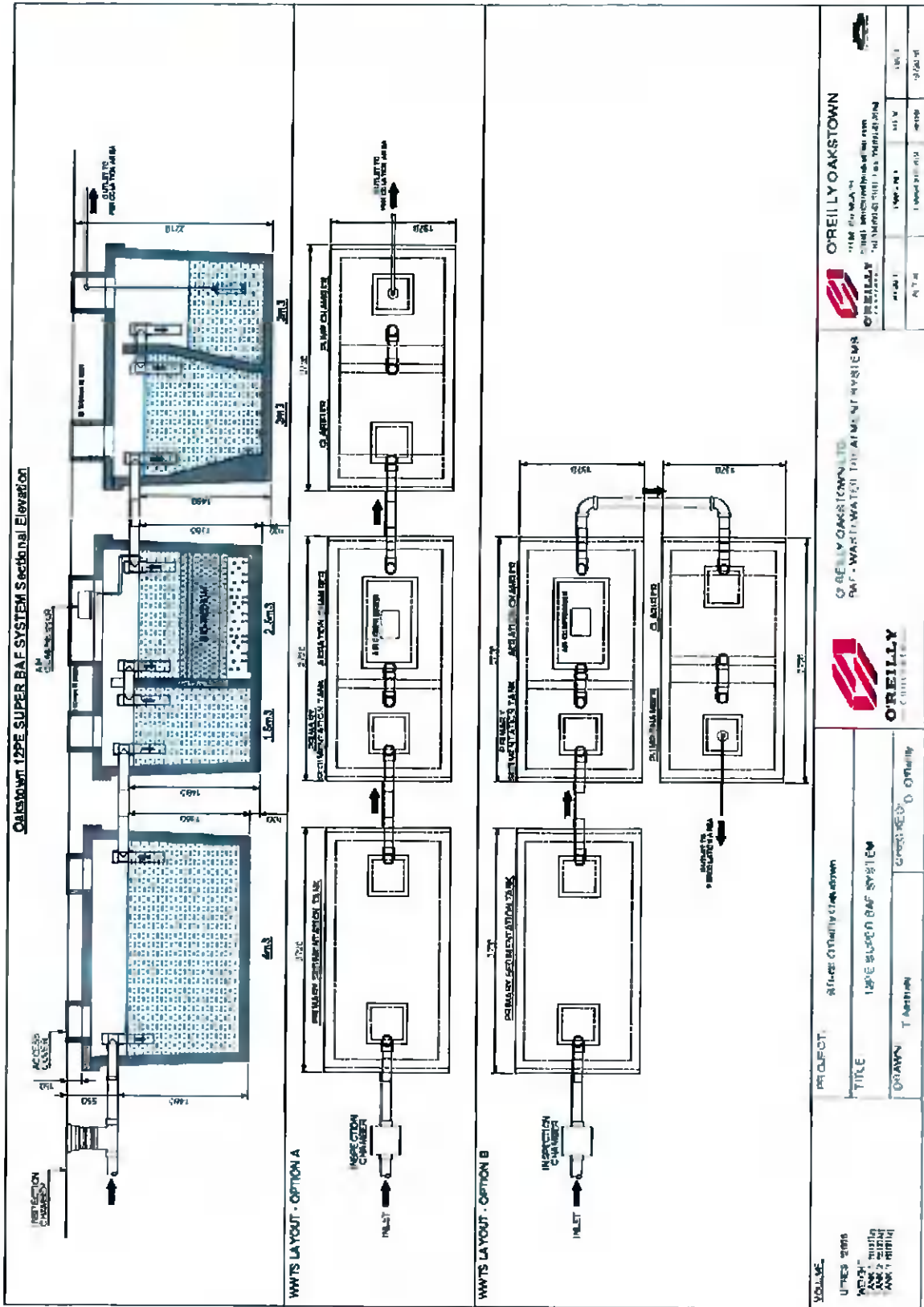
CHECKED: D. O'Reilly

DATE: 11/14/14

REVISIONS:

NO.	DATE	BY	DESCRIPTION
1	11/14/14	DM	ISSUED FOR PERMITS
2	11/14/14	DM	ISSUED FOR PERMITS
3	11/14/14	DM	ISSUED FOR PERMITS

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VOLUME UPTER 2005 WOSH - 2011 12PE SUPER BAF SYSTEM 12PE SUPER BAF SYSTEM 12PE SUPER BAF SYSTEM	PROJECT 12PE SUPER BAF SYSTEM	CLIENT OAKSTOWN	DESIGNED BY O'Reilly	CHECKED BY O'Reilly	DATE 12/11/11	SCALE 1:100
	TITLE 12PE SUPER BAF SYSTEM	DRAWN T. Aherne	DATE 12/11/11	DATE 12/11/11	DATE 12/11/11	DATE 12/11/11

O'REILLY OAKSTOWN

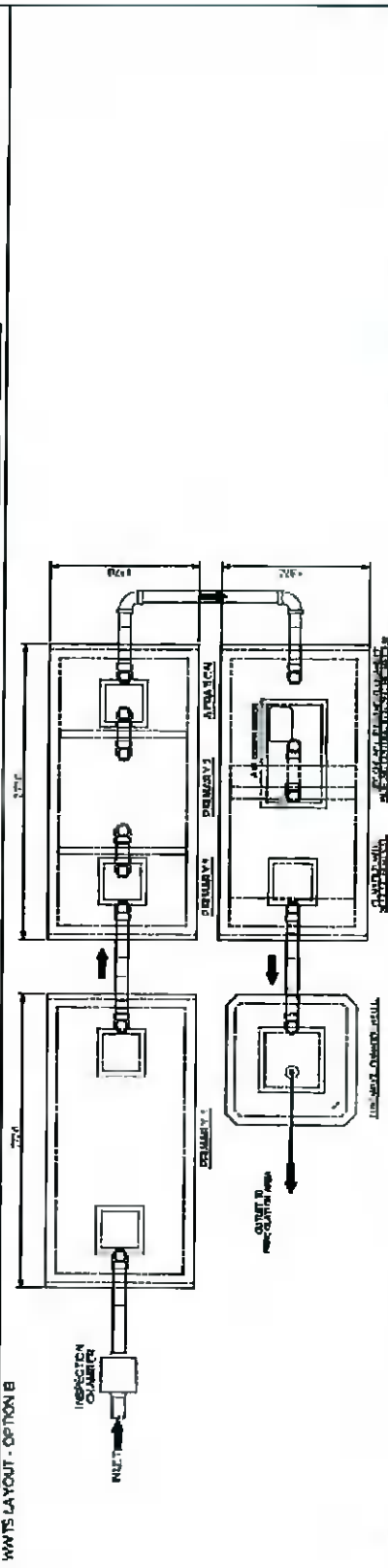
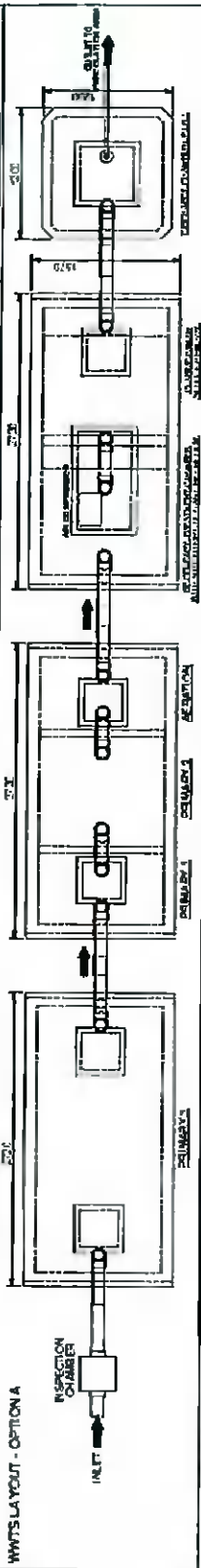
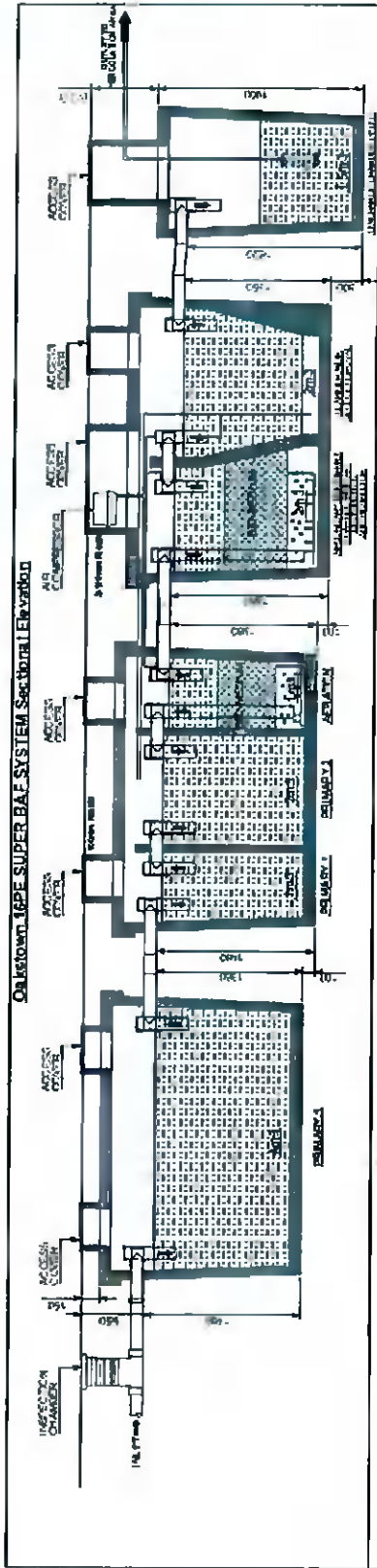
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O'REILLY OAKSTOWN LTD.

901 - WATERLOO TOWN INDUSTRIAL

O'REILLY

12/11/11



SCALE	PROJECT	SR-00 Oaktony Collection	ORREILLY OAKSTOWN	DATE	11/14	BY	11/14	16/17
1/8" = 1'-0"	TITLE	T&PE SUPER BAF WWT5 PM	1111 CHINA ST. ORREILLY INDUSTRIAL PARK OAKSTOWN, OHIO 44133	DATE	11/14	BY	11/14	16/17
WEIGHT	CHECKED	P. NICHOLS	ORREILLY CONSULTING	DATE	11/14	BY	11/14	16/17
WATER	CHECKED	D. COVIELLO	ORREILLY CONSULTING	DATE	11/14	BY	11/14	16/17
WWT5	CHECKED		ORREILLY CONSULTING	DATE	11/14	BY	11/14	16/17
WWT5	CHECKED		ORREILLY CONSULTING	DATE	11/14	BY	11/14	16/17

