



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

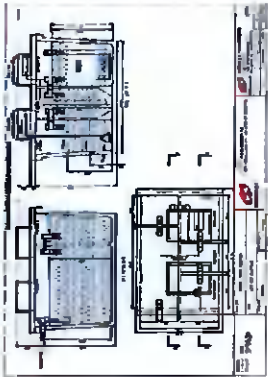
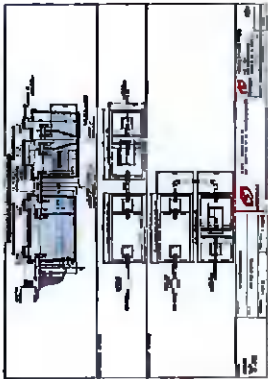



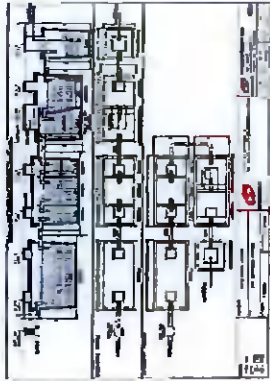
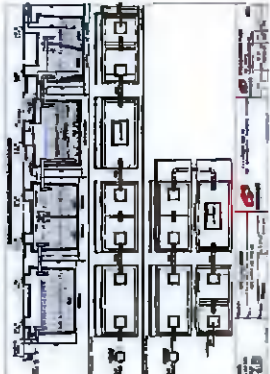
Prüfinstitut für Abwassertechnik GmbH
Elmar Lancé
Geprüft - tested - teste

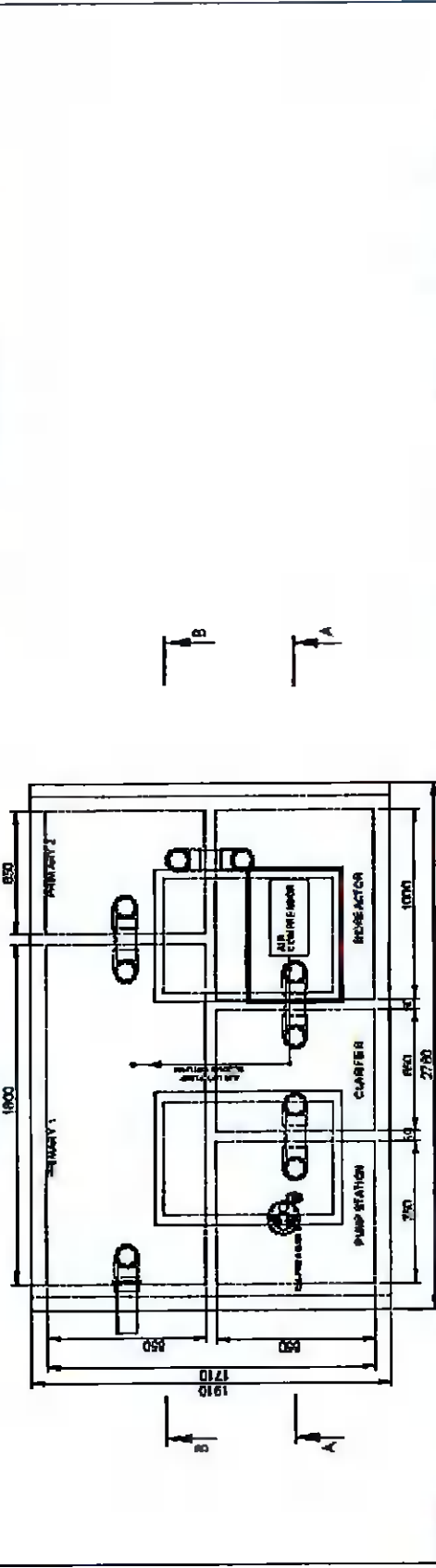
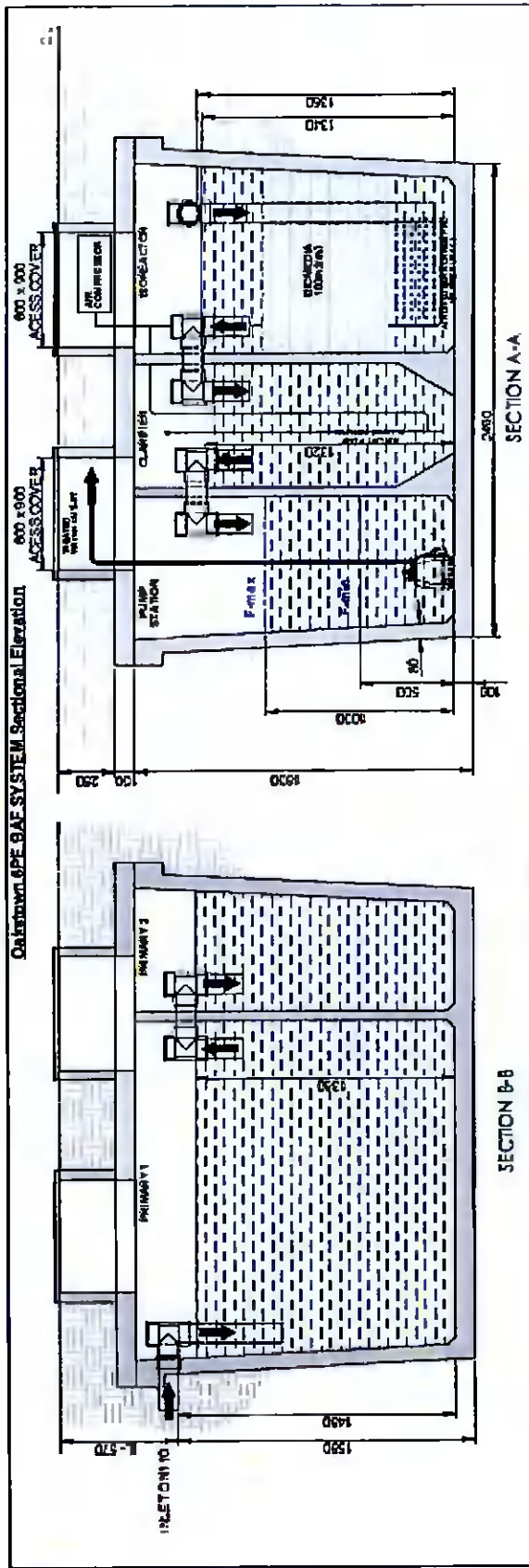
Elmar Lancé

January 2017

Oakstown BAF range and its referring test reports:

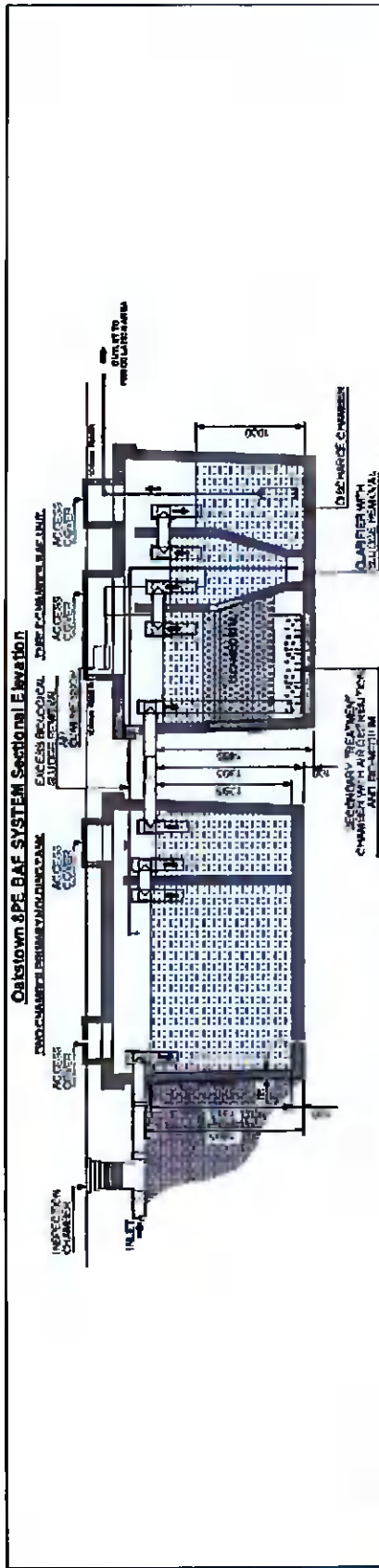
Population equivalent (PE)	Drawing of model of the range	Watertightness (EN 12566-3 Annex A)	Treatment Efficiency (EN 12566-3 Annex B)	Structural Behaviour (EN 12566-3 Annex C)	Durability
6 PE		Pass PIA2016-WD-1603-1036.02	Pass Range conformity according to S.R. 66:2015	Pass For wet ground conditions 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

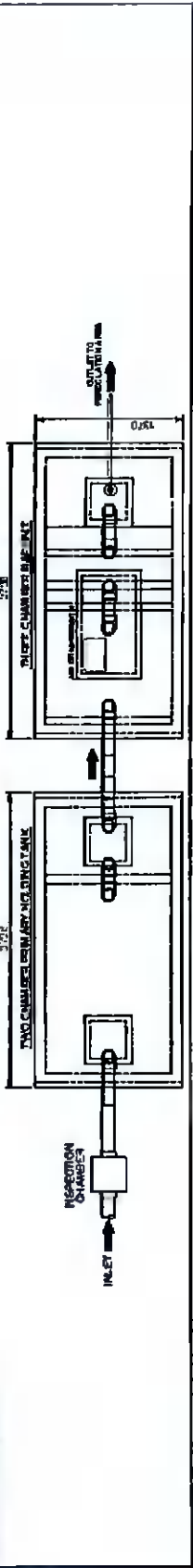


Oakton BPE BAF SYSTEM Sectional Elevation

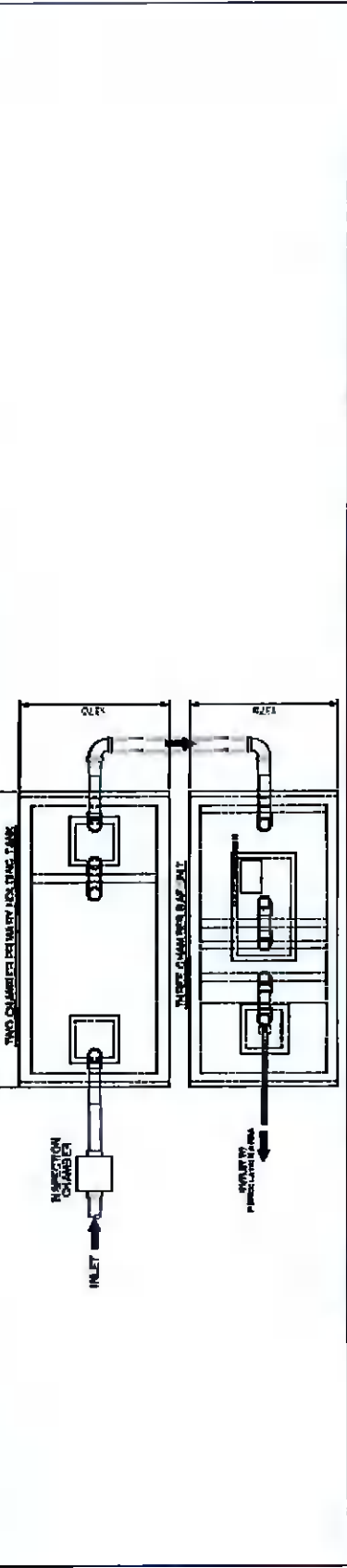
SCALE 1/8" = 1'-0" DATE 10/15/10	PROJECT: 6848 O'Reilly Oakton TITLE: BPE BAF SYSTEM DESIGNED BY: T. Ashman CHECKED BY: O. O'Reilly	PROJECT NO. 101010 DATE 10/15/10	SCALE N.T.S. DATE 10/15/10
PROJECT: 6848 O'Reilly Oakton TITLE: BPE BAF SYSTEM DESIGNED BY: T. Ashman CHECKED BY: O. O'Reilly		PROJECT NO. 101010 DATE 10/15/10	
PROJECT: 6848 O'Reilly Oakton TITLE: BPE BAF SYSTEM DESIGNED BY: T. Ashman CHECKED BY: O. O'Reilly		PROJECT NO. 101010 DATE 10/15/10	



WWTSLAYOUT - OPTION A

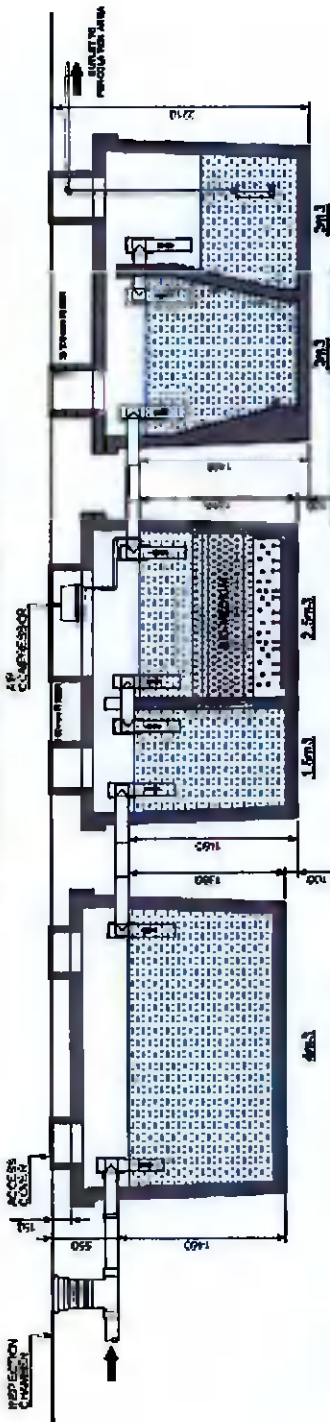


WWTSLAYOUT - OPTION B

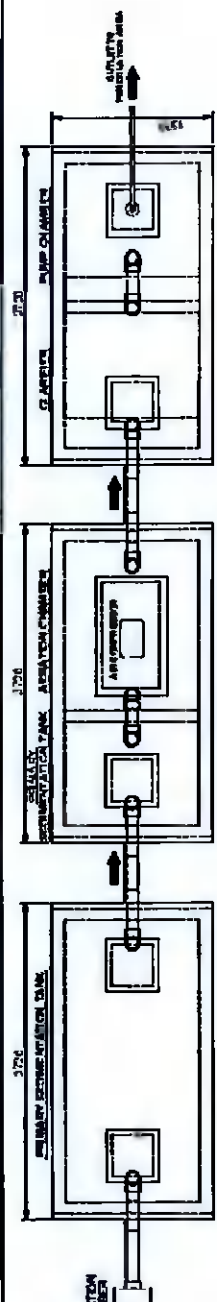


PROJECT: SR-66 O'Reilly Oakstown	DATE: 05/04/21	SCALE: 1/4" = 1'-0"	DATE: 05/04/21
TITLE: 6PE BAF SYSTEM	PROJECT: O'REILLY OAKSTOWN Great River Wastewater Plant Wastewater Treatment System		
DRAWN: T. Nether	DATE: 05/04/21	CHECKED: D. O'Reilly	DATE: 05/04/21

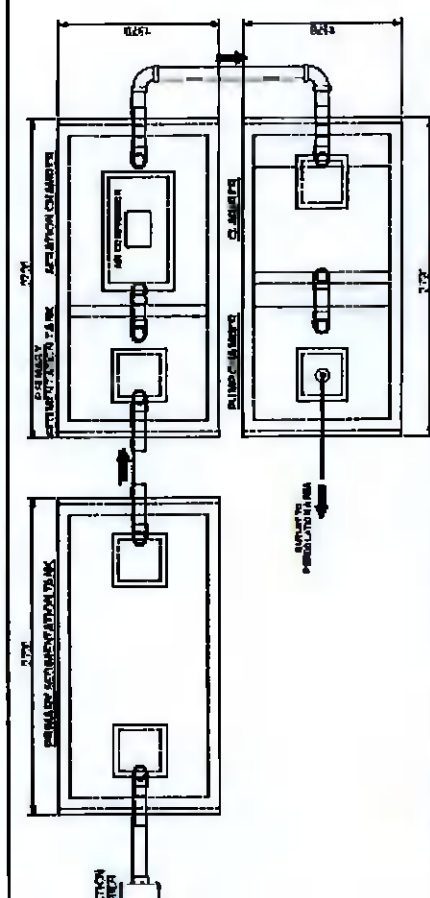
Oakstown 12PE SUPER BAF SYSTEM Sectional Elevation



WWTS LAYOUT - OPTION A



WWTS LAYOUT - OPTION B



VOLUME:
 UTILITY ROOM
 WEIGHT
 TANK #1
 TANK #2
 TANK #3

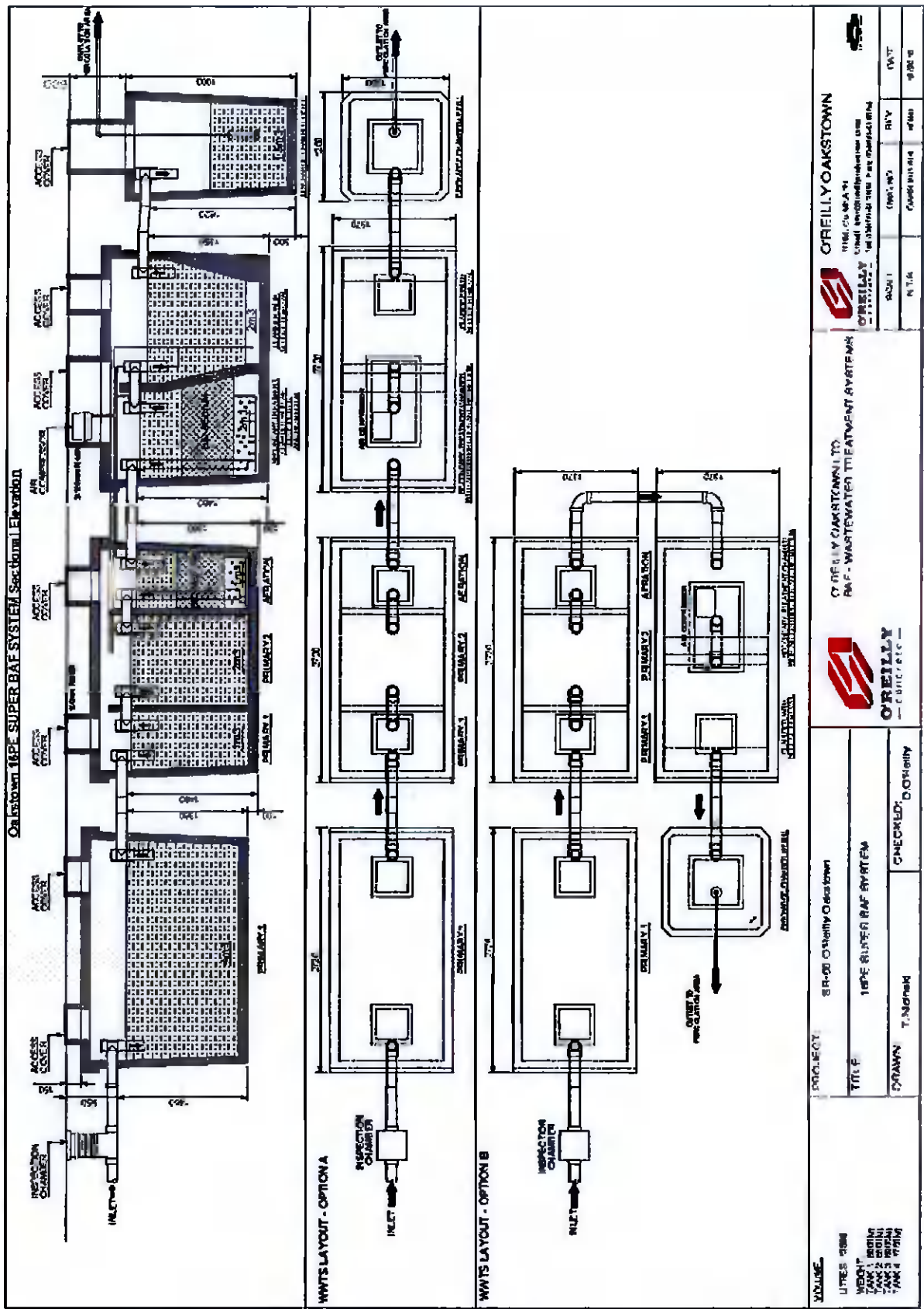
PROJECT: Site of Oaktown
 TITLE: 12PE SUPER BAF SYSTEM
 CHAIRMAN: T. Anselmi
 PREPARED BY: D. O'Reilly

O'REILLY
 CONSULTANTS

O'REILLY OAKTOWN, LTD.
 BAF - WASTEWATER TREATMENT SYSTEMS

O'REILLY OAKTOWN, LTD.
 1100, GUNDA ST.
 10000, WILSON BLVD. #100
 WILSON, N.Y. 11551

DATE: 1/14/81
 DRAWN BY: J. R. ...
 CHECKED BY: ...
 SCALE: 1/4" = 1'-0"

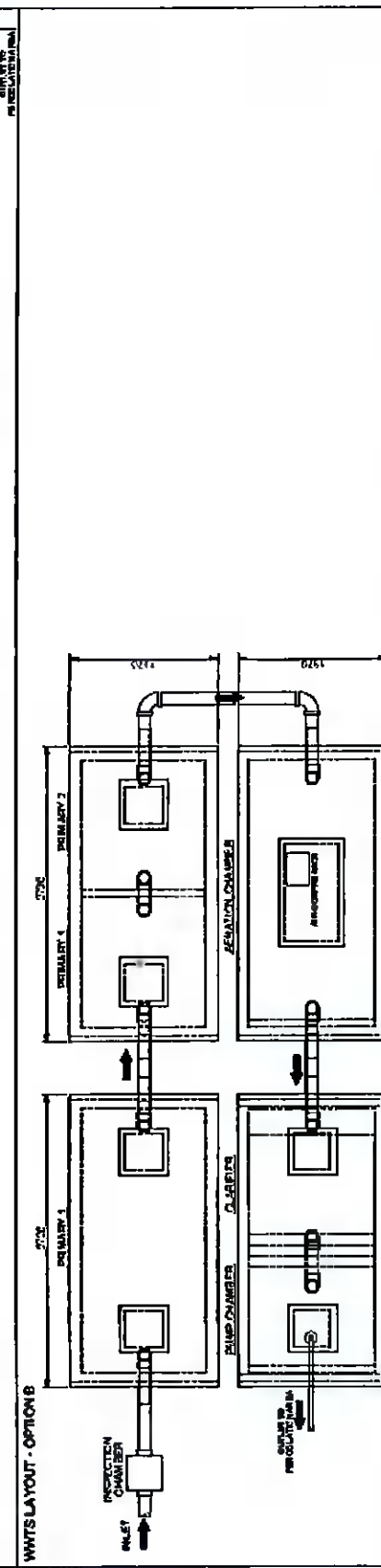
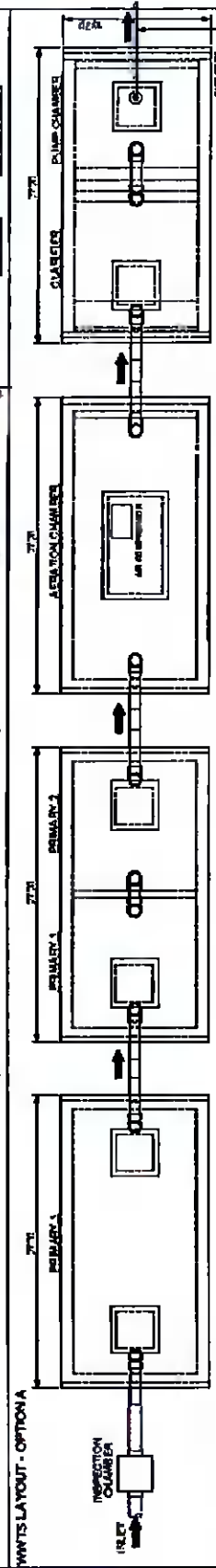
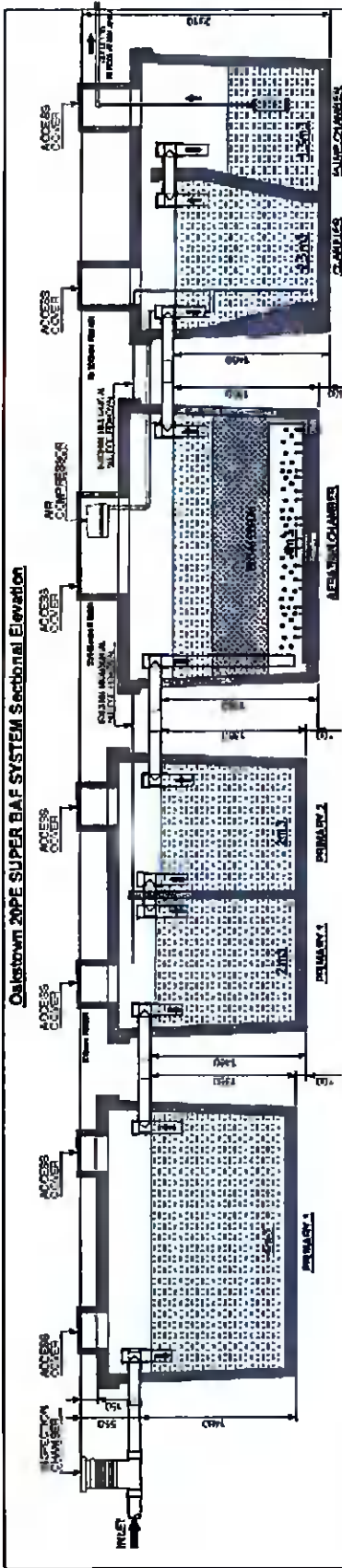


OREILLY OAKSTOWN
 1860 OAKSTOWN RD
 OAKSTOWN, OH 44130
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 FAX: (440) 333-2201
 WWW.OREILLYOAKSTOWN.COM

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VOLUME	SR-02 OAKSTOWN	CHECKED	D. O'NEIL
PROJECT	SR-02 OAKSTOWN	DATE	10/10/08
TITLE	16PE SUPER BAF SYSTEM	SCALE	AS SHOWN
DRAWN	T. MONEK	DATE	10/10/08



VOLUME: UTILITY ROOM BENTON TANK 1 TANK 2 TANK 3 TANK 4 TANK 5 TANK 6 TANK 7 TANK 8 TANK 9 TANK 10 TANK 11 TANK 12 TANK 13 TANK 14 TANK 15 TANK 16 TANK 17 TANK 18 TANK 19 TANK 20	PROJECT: SR-06 Oakton Oakstown	O'REILLY OAKSTOWN, LTD. WWT - WASTEWATER TREATMENT SYSTEM	O'REILLY OAKSTOWN 11180 PLYMOUTH ST. LINDSEY, MICHIGAN 48869-1000 TEL: (517) 331-1111 FAX: (517) 331-1112	DATE: 10/08/09
	TITLE: 20PE SUPER BAF SYSTEM	CHECKED: D. O'Reilly	O'REILLY WASTEWATER TREATMENT SYSTEMS	DRAWN: T. Naranjo