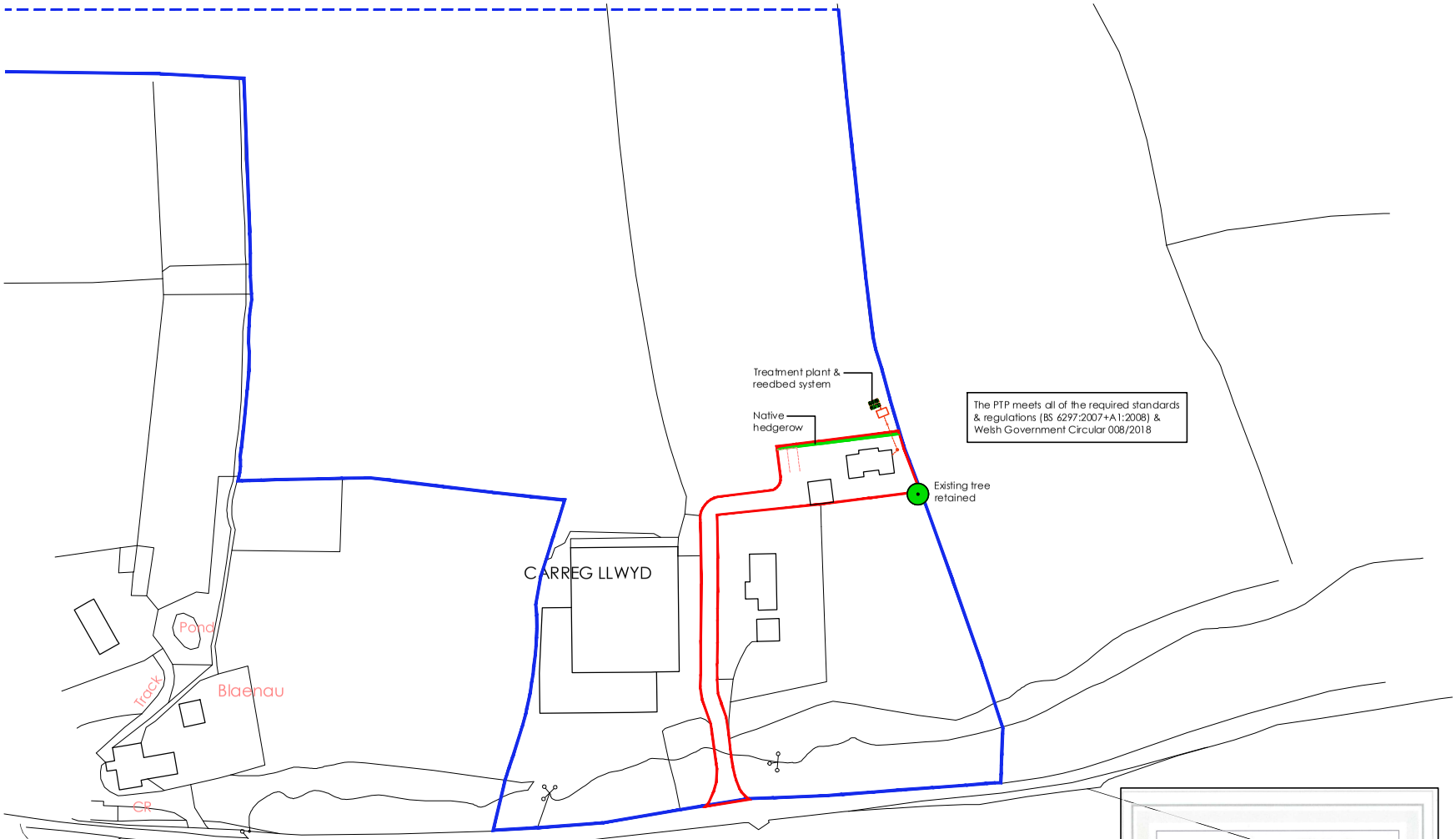
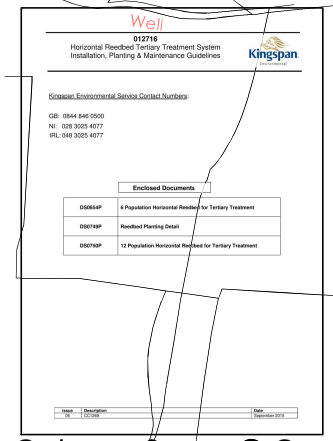


THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL RELATED DRAWINGS. ALL DIMENSIONS MUST BE CHECKED AND VERIFIED ON SITE BEFORE COMMENCING ANY WORK OR PRODUCING SHOP DRAWINGS. THE ORIGINATOR SHOULD BE NOTIFIED IMMEDIATELY OF ANY DISCREPANCY. THIS DRAWING IS COPYRIGHT AND REMAINS THE PROPERTY ROGER PARRY & PARTNERS.

Rev	Description	Date	By
-	-	year/mm/dd	-.-


012716
Horizontal Reedbed Tertiary Treatment System
Installation, Planting & Maintenance Guidelines
Kingspan

Kingspan Environmental Service Contact Numbers:

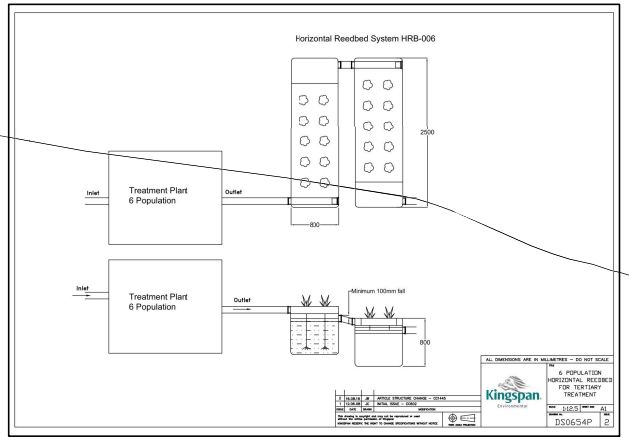
GB: 0844 846 0500
NI: 028 3025 4077
IRL: 048 3025 4077

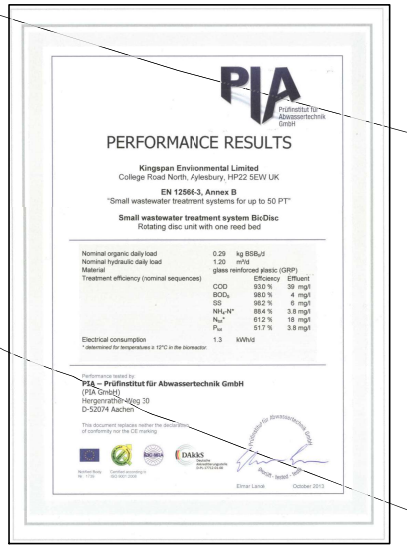
Enclosed Documents

DS0654P	6 Population Horizontal Reedbed for Tertiary Treatment
DS0749P	Reedbed Planting Detail
DS0750P	12 Population Horizontal Reedbed for Tertiary Treatment








PIA
Prüfinstitut für Abwassertechnik GmbH

PERFORMANCE RESULTS

Kingspan Environmental Limited
College Road North, Aylesbury, HP22 5EW UK

EN 12566-3, Annex B
"Small wastewater treatment systems for up to 50 PT"

Small wastewater treatment system BioDisc
Rotating disc unit with one reed bed

Nominal organic daily load	0.29	kg BSB_5/d	
Nominal hydraulic daily load	1.20	m³/d	
Material	glass reinforced plastic (GRP)		
Treatment efficiency (nominal sequences)		Efficiency	Effluent
	COD	93.0 %	39 mg/l
	BOD_5	98.0 %	4 mg/l
	SS	98.2 %	6 mg/l
	NH_4-N*	88.4 %	3.8 mg/l
	N_{ot}*	61.2 %	18 mg/l
	P_{tot}	51.7 %	3.8 mg/l
Electrical consumption	1.3	kWh/d	

* determined for temperatures ≥ 12°C in the bioreactor.

Performance tested by:
PIA – Prüfinstitut für Abwassertechnik GmbH
(PIA GmbH)
Hergenrather Weg 30
D-52074 Aachen

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

Elmar Lenz October 2010

Roger Parry & Partners

Residential - Agricultural - Commerical

Project;	Proposed Agricultural Worker's Dwelling		
Drawing Title;	Location Plan		
Location;	Carreg Llwyd, Froncysyllte, Llangollen. LL20 7RY		
Client;	E.W & M.Jones & Son		
Scale	1:1250 @ A3		
Drawing No;	75223 / 01	Rev;	-
Drawn By;	-	Date;	2021/06/08

HOGSTOW HALL, MINSTERLEY
SHREWSBURY, SHROPSHIRE. SY5 0HZ
Tel: 01743 791336 Fax: 01743 792770
E-mail: mail@rogerparry.net
Web address: www.rogerparry.net
Roger Parry & Partners LLP partnership no.OC312203
Registered Office Hogstow Hall, Minsterley, Shrewsbury, SY5 0HZ
Registered in England and Wales.
A list of members of the LLP is available at the above address.

Ordnance Survey © Crown Copyright 2021. All Rights Reserved. Licence number 100022432