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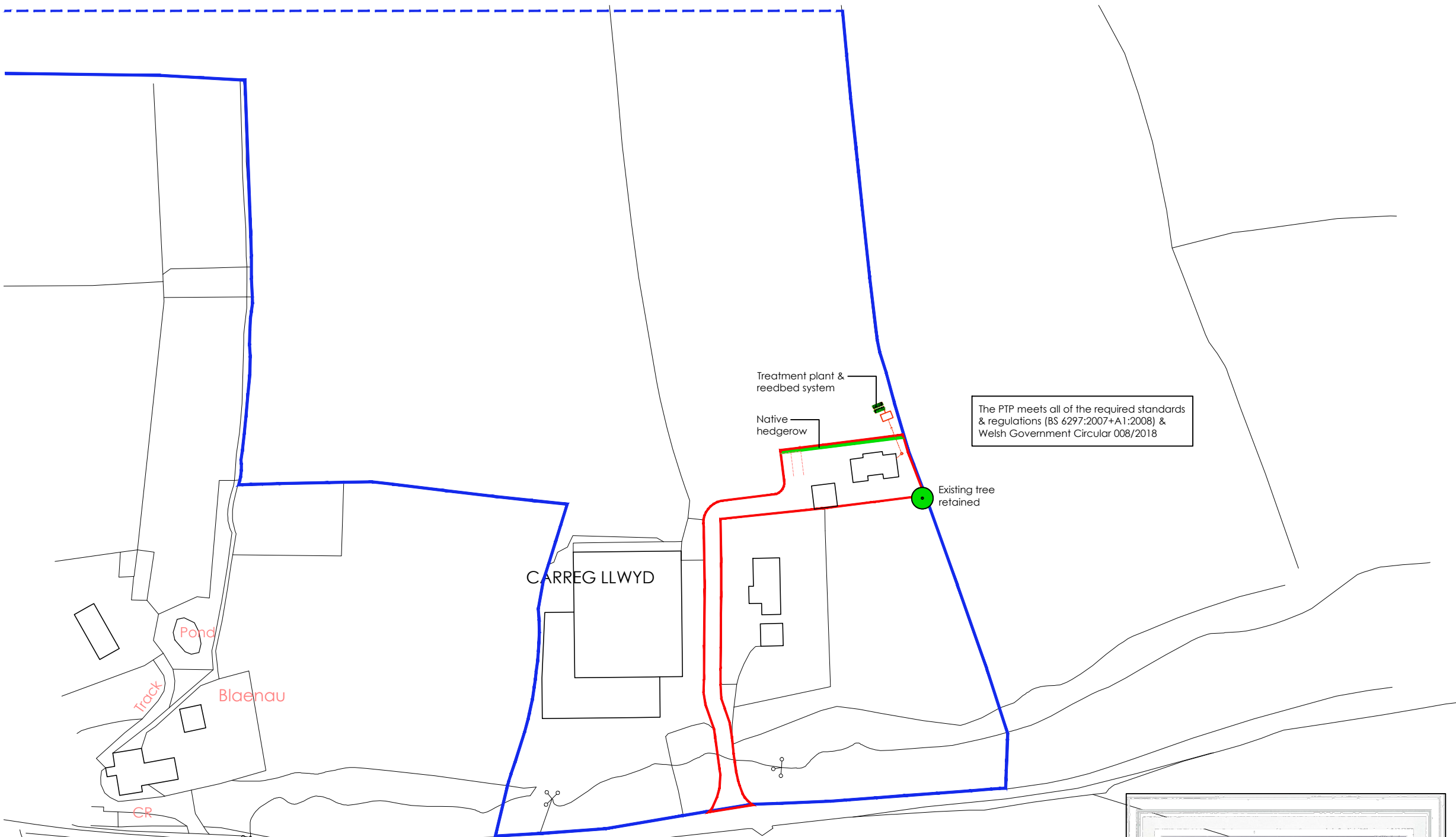
Rev	Description	Date	By
-	-	year/mm/dd	--

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.



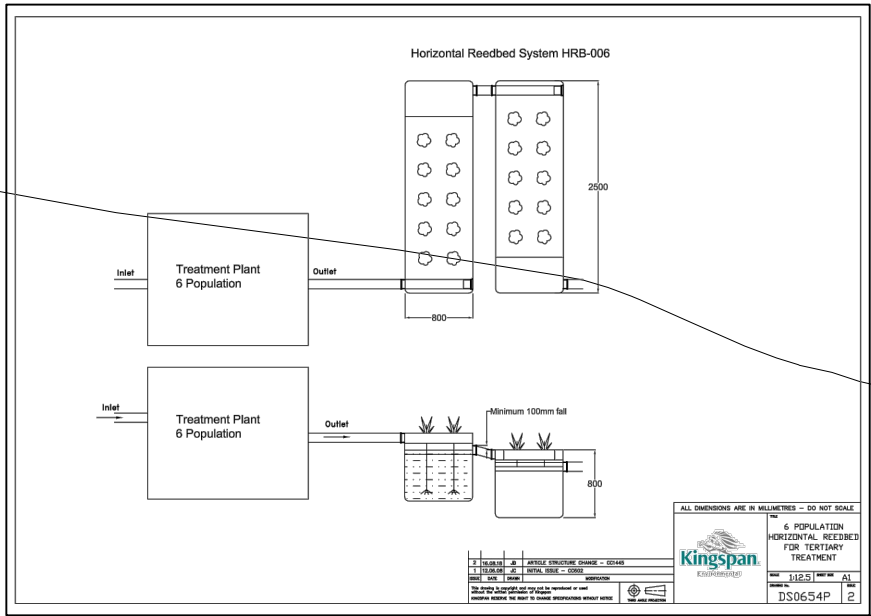
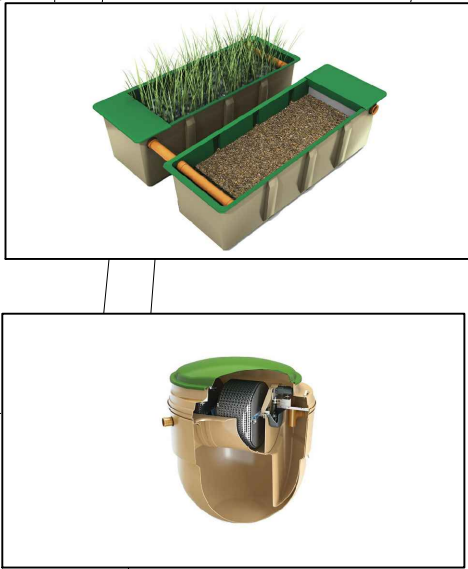
Well
012716
Horizontal Reedbed Tertiary Treatment System
Installation, Planting & Maintenance Guidelines

Kingspan Environmental Service Contact Numbers:
GB: 0844 846 0500
NI: 028 3025 4077
WIL: 048 3025 4077

Enclosed Documents

DS054P	6 Population Horizontal Reedbed for Tertiary Treatment
DS0749P	Reedbed Planting Detail
DS0750P	12 Population Horizontal Reedbed for Tertiary Treatment

Issue: 01
Description: 012716
Date: September 2019



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/d
Nominal hydraulic daily load	1.20	m³/d
Material	glass reinforced plastic (GRP)	
Treatment efficiency (nominal sequences)		
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 _{ox}	61.2 %	18 mg/l
P _{ox}	61.7 %	3.8 mg/l
Electrical consumption	1.3	kWh/d

* determined for temperatures ≥ 12°C in the bioreactor

Produced and tested by
PIA – Prüfinstitut für Abwassertechnik GmbH
(PIA GmbH)
Bürgerstraße-Weg 30
D-52074 Aachen

Logo: Kingspan Environmental

ALL DIMENSIONS ARE IN MILLIMETRES - DO NOT SCALE

6 POPULATION HORIZONTAL REEDBED FOR TERTIARY TREATMENT

DS0654P 2