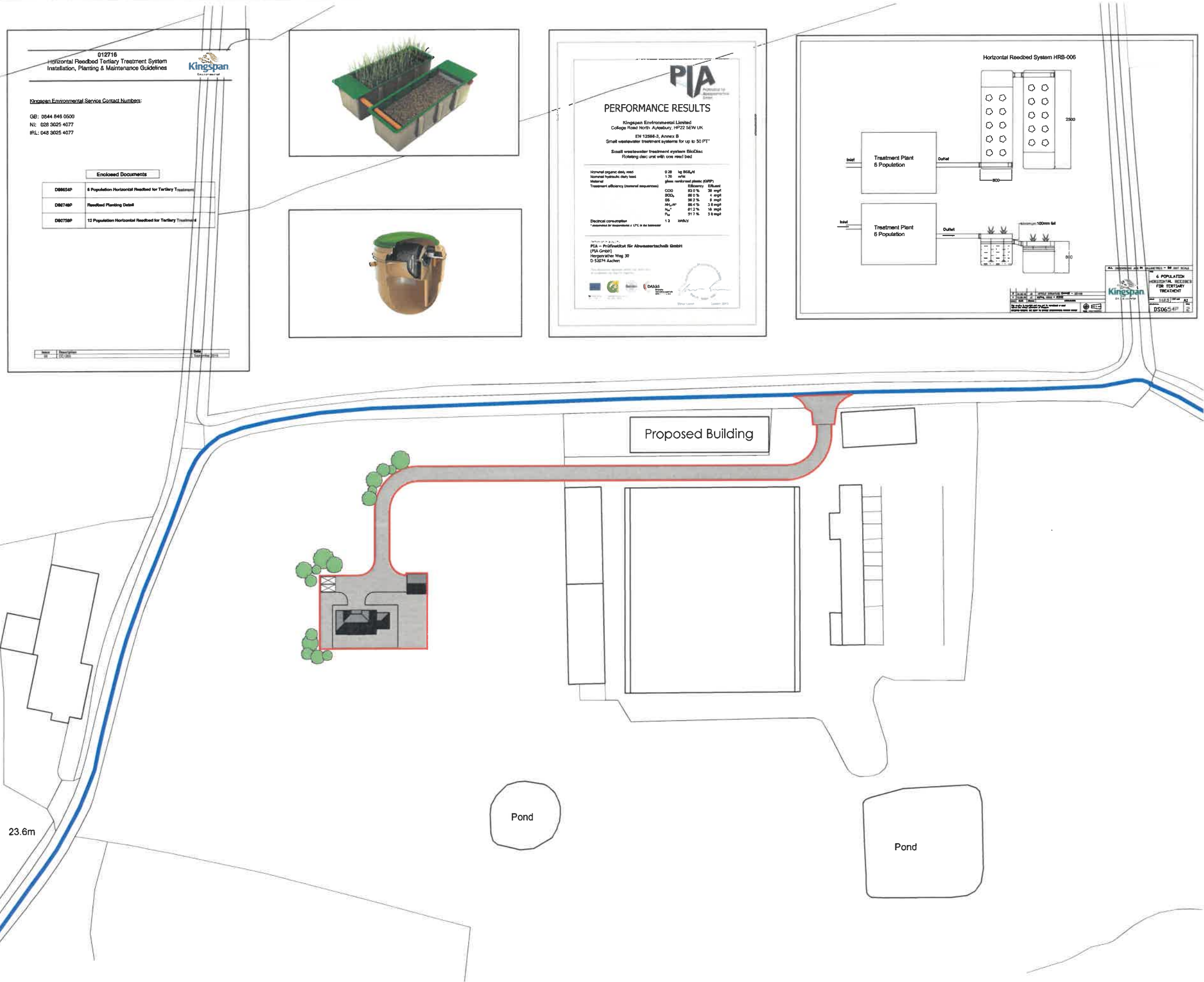




012716
Horizontal Reedbed Tertiary Treatment System
Installation, Planting & Maintenance Guidelines

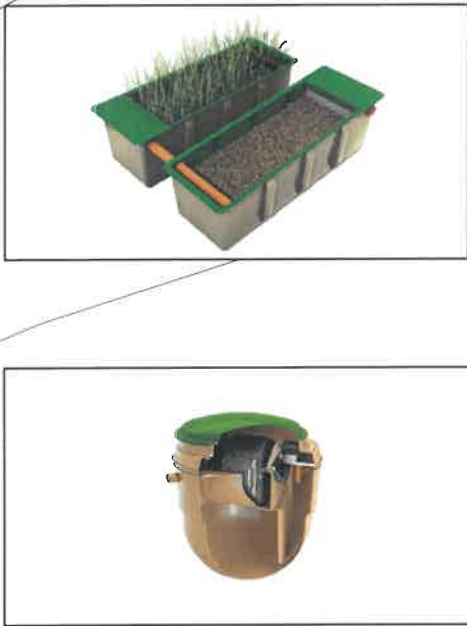
Kingspan Environmental

Kingspan Environmental Service Contact Numbers:
GB: 0844 846 0500
NI: 028 3025 4077
Ireland: 045 3025 4077

Enclosed Documents

Document	Description
D0654P	6 Population Horizontal Reedbed for Tertiary Treatment
D0674P	Reedbed Planting Detail
D0675P	12 Population Horizontal Reedbed for Tertiary Treatment

Scale: 1:1000
Date: 2021/06/21



PIA
Performance Results

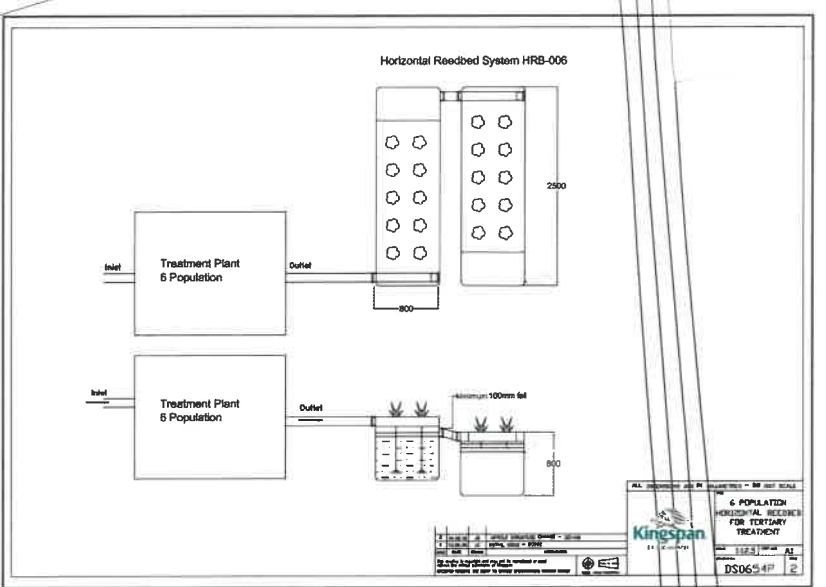
Kingspan Environmental Limited
College Road North, Aylesbury, HP22 5EW UK
EN 12586-3, Annex B
Small wastewater treatment systems for up to 50 PT*
Small wastewater treatment system (BioDisc)
Rotating disc unit with one reed bed

Parameter	Value
Normal organic daily load	0.28 kg BOD ₅ /d
Normal hydraulic daily load	1.20 m ³ /d
Material	glass reinforced plastic (GRP)
Efficiency (BOD ₅)	85.0 %
Efficiency (SS)	88.0 %
Efficiency (NH ₄ -N)	88.0 %
Efficiency (PO ₄ -P)	88.0 %
Efficiency (Total P)	88.0 %
Efficiency (Total N)	88.0 %
Efficiency (Total S)	88.0 %
Efficiency (Total O ₂)	88.0 %
Efficiency (Total C)	88.0 %
Efficiency (Total H)	88.0 %
Efficiency (Total S)	88.0 %
Efficiency (Total O ₂)	88.0 %
Efficiency (Total C)	88.0 %
Efficiency (Total H)	88.0 %

Disinfection consumption
*Assessment for disinfection at 1°C in the summer

PIA - Prüfzertifikat für Abwassertechnik GmbH
(PIA Group)
Hergersdorfer Weg 30
D-52074 Aachen

DAkk
DIN EN ISO 9001:2015



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	-

Roger Parry & Partners

Residential - Agricultural - Commercial

Project;	Proposed Agricultural Dwelling		
Drawing Title;	Full Planning : Location Plan		
Location;	Hoseley Farms, Torriad Farm Lane, from Plas Mehefin to Torriad Farm, Wrexham. LL13 9RT.		
Client;	Hoseley Farms		
Scale	1:1250 @ A3		
Drawing No;	4682 PL / 02	Rev;	-
Drawn By;	Ar.D.	Date;	2021/06/21

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.