

012716

Horizontal Reedbed Tertiary Treatment System
Installation, Planting & Maintenance Guidelines



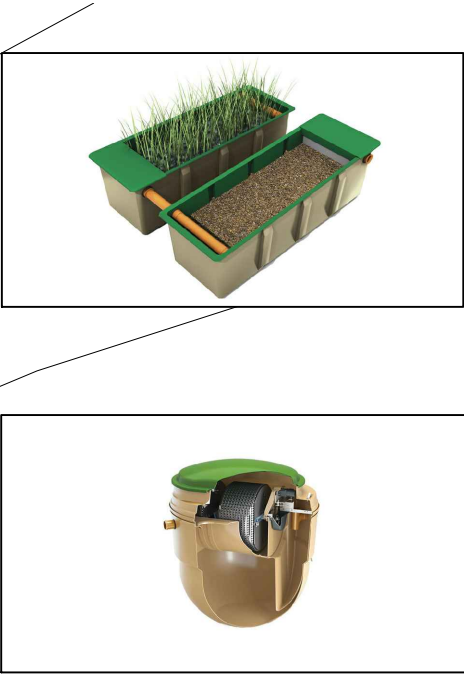
Kingspan Environmental Service Contact Numbers:

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

Issue	Description	Date
06	1st Issue	September 2015



PIA

Prüfinstitut für Abwassertechnik GmbH

PERFORMANCE RESULTS

Kingspan Environmental Limited
College Road North, Aylebury, HP22 5EX 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

Normal organic daily load	0.29	kg BOD ₅ /d
Normal hydraulic daily load	1.20	m ³ /d
Material		gas reinforced plastic (GRP)
Treatment efficiency (nominal sequences)		Effluent
COD	93.0 %	39 mg/l
BOD ₅	98.0 %	4 mg/l
SS	98.2 %	6 mg/l
NH ₄ -N	95.4 %	3.8 mg/l
N _T -N	91.2 %	18 mg/l
P _T	91.7 %	3.8 mg/l

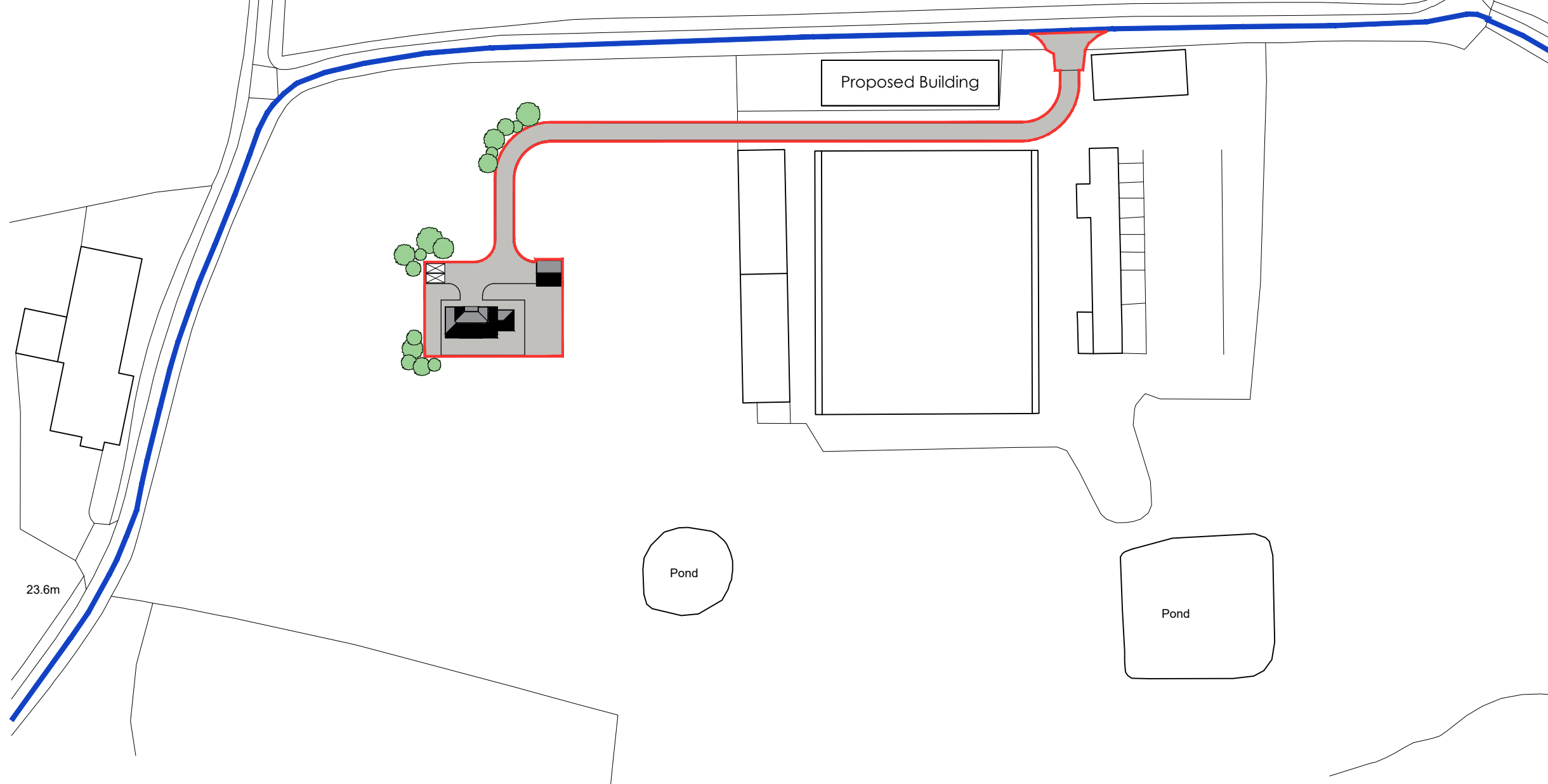
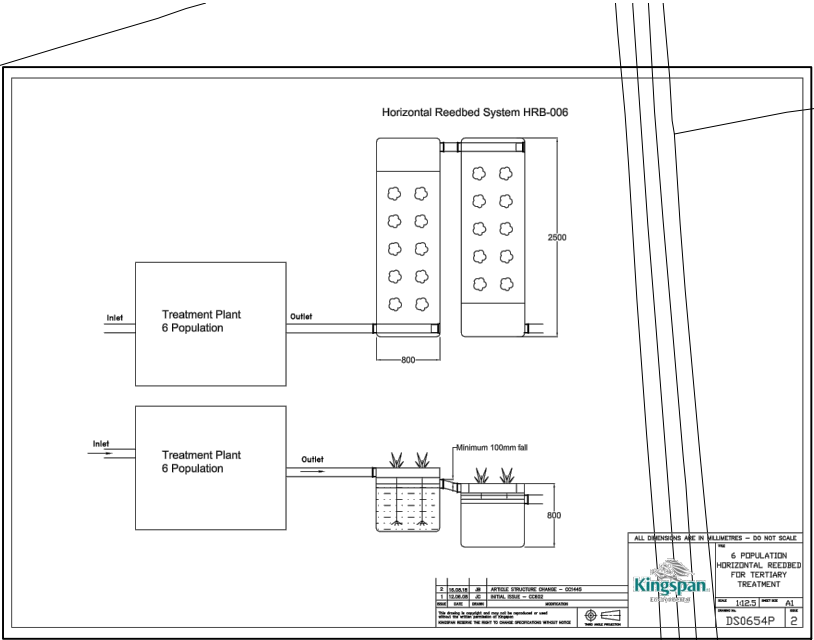
Electrical consumption
* determined for temperatures > 12°C in the bioreactor

1.3

kWh/d

PIA – Prüfinstitut für Abwassertechnik GmbH
(PJA GmbH)
Bismarckstr. 10
D-53074 Bachem
Germany
www.pia-gmbh.de
0224 2400-1
0224 2400-20
info@pia-gmbh.de





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

Roger
Parry
& Partners

Residential - Agricultural - Commerical			
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.