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



Residential - Agricultural - Commercial

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

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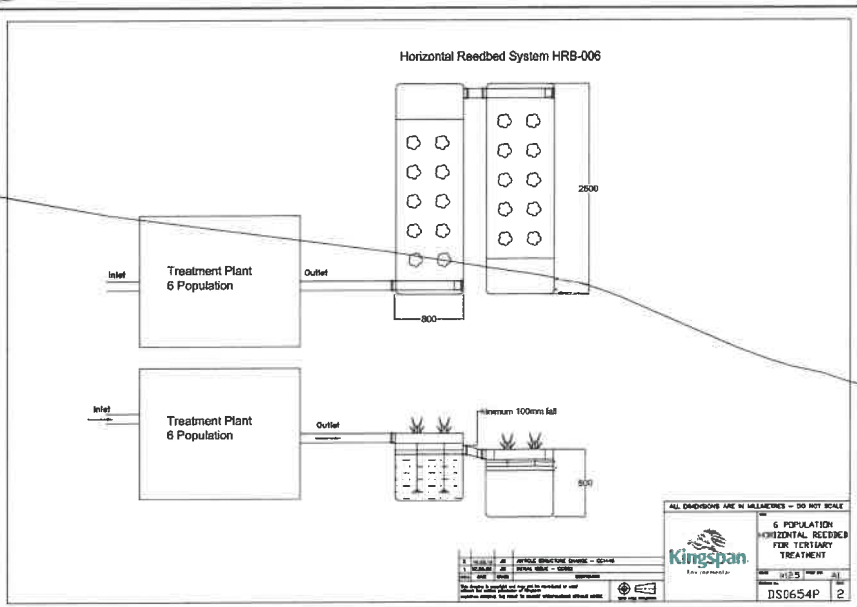
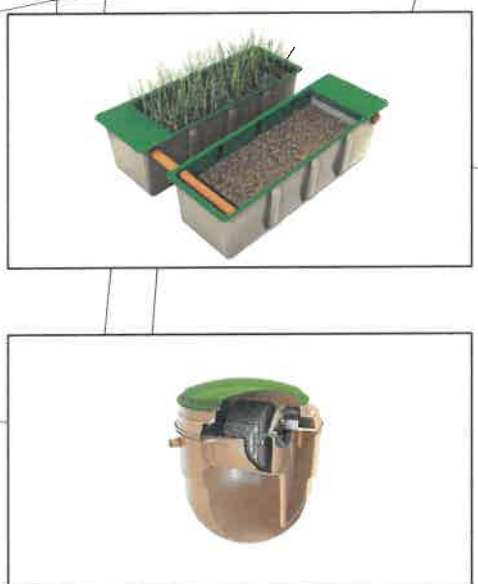


Well
012716
Horizontal Reedbed Tertiary Treatment System
Installation, Planting & Maintenance Guidelines

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

Enclosed Documents

DS654P	6 Population Horizontal Reedbed for Tertiary Treatment
DS718P	Reedbed Planting Detail
DS750P	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 BOD ₅ /d
Nominal hydraulic daily load	1.20	m ³ /d
Material	glass reinforced plastic (GRP)	
Treatment efficiency (nominal sequences)	Efficiency	
	COD	93.0 % 30 mg/l
	BOD ₅	95.0 % 4 mg/l
	SS	99.2 % 6 mg/l
	NH ₄ -N*	88.4 % 3.8 mg/l
	PO ₄	61.2 % 10 mg/l
	P _{tot}	51.7 % 3.8 mg/l

Electrical consumption
*determined for temperature ± 12°C in the biosector

1.3 kWh/d

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ALL DIMENSIONS ARE IN MILLIMETRES - DO NOT SCALE

6 POPULATION
HORIZONTAL REEDBED
FOR TERTIARY
TREATMENT

DS654P 2