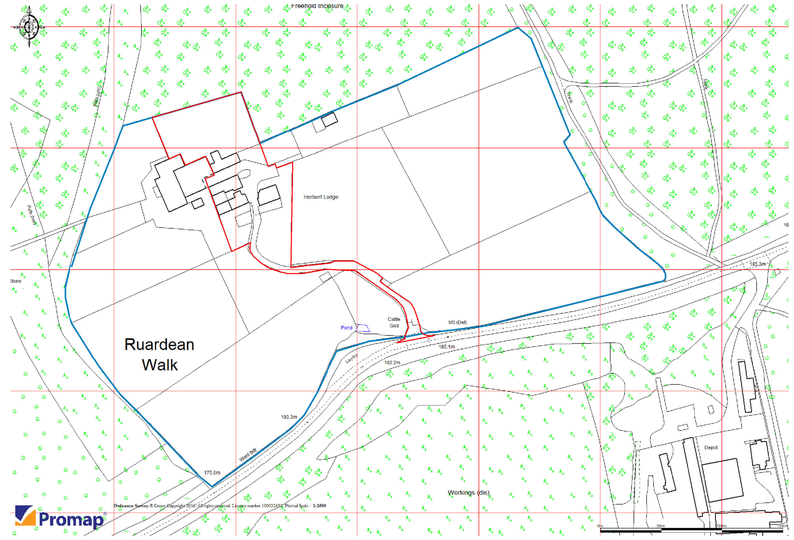
Proposed Site Plan.

1 : 500

10m 50m



Location Plan.

1 : 2500

50m 250m

Revisions:

1 - Treatment plant details added. 21 / 7 / 2023

Issue Status: **Planning**

MR JAMES DESIGN

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Proposed Site & Location Plan.

B - 1

Project number	43 - 2268
Date	June 2023
Drawn by	C.E. James
Scale	As indicated

Note: 100

TRICEL Wastewater Treatment Plant

Stage 1: the primary settlement chamber

In the first stage of sewage treatment, anaerobic breakdown takes place in the primary settlement chamber. The wastewater is introduced and the solids drop to the bottom, becoming separated from the liquid.

Stage 2: the aeration chamber

The next stage of the wastewater treatment involves aerobic breakdown. This takes place in the aeration chamber, where masses of naturally occurring bacteria inhabit specially designed filter media.

These bacteria are sustained with air, which is continuously supplied from a purpose-built pump in the unit's top section. As the liquid flows slowly through the filter media, the bacteria feed on the waste and remove it from the liquid.

Stage 3: final settlement chamber

In the last stage of wastewater treatment, the liquid flows from the aeration chamber into the final settlement chamber. Suspended sludge consisting of bacteria is carried with the liquid into the settlement chamber and settles to the bottom of the chamber.

From there, a continuous sludge return system pumps it back to the primary settlement chamber. The remaining treated liquid now meets the required standard to be safely passed out of the Tricel system.

A1

LANDSCAPING DETAILS

A - New hedge consisting of Hawthorn, Blackthorn and Hazel.

Planting Notes.

Hedge plants to be 60 - 80cm high, bare root healthy and vigorous transplants to be planted in a double staggered row 450mm apart, 7 No plants per metre.

Hedging stock to be dipped in fungal inoculum.

Species mix as follows:-
40% Crataeagus monogyna (Hawtorn), 30% Corylus avellana (Hazel), 30% Prunus spinosa (Blackthorn)

Soil around all plants to be watered with 10 litres of water per plant immediately after planting to ensure settling of soil around root ball.

All planting beds to be covered with 10.00mm settled depth of compost Bark mulch after planting.

Support and Protection.

Hedge plats to be protected with 400mm high plastic spiral rabbit guard supported by stakes or canes.

Method and Management Programme.

Replacement of any trees that die with in the first 5 years. Generally the proposed scheme should follow the code of practice for general landscape operations and recommendations according to BS 4428:1989.

21/07/2023 09:19:42