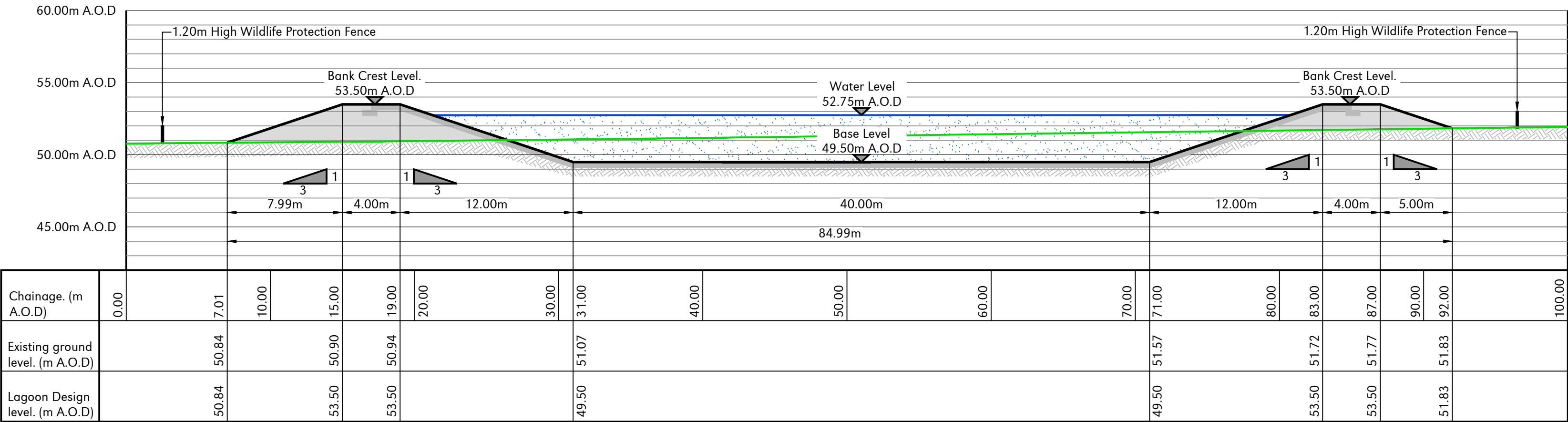
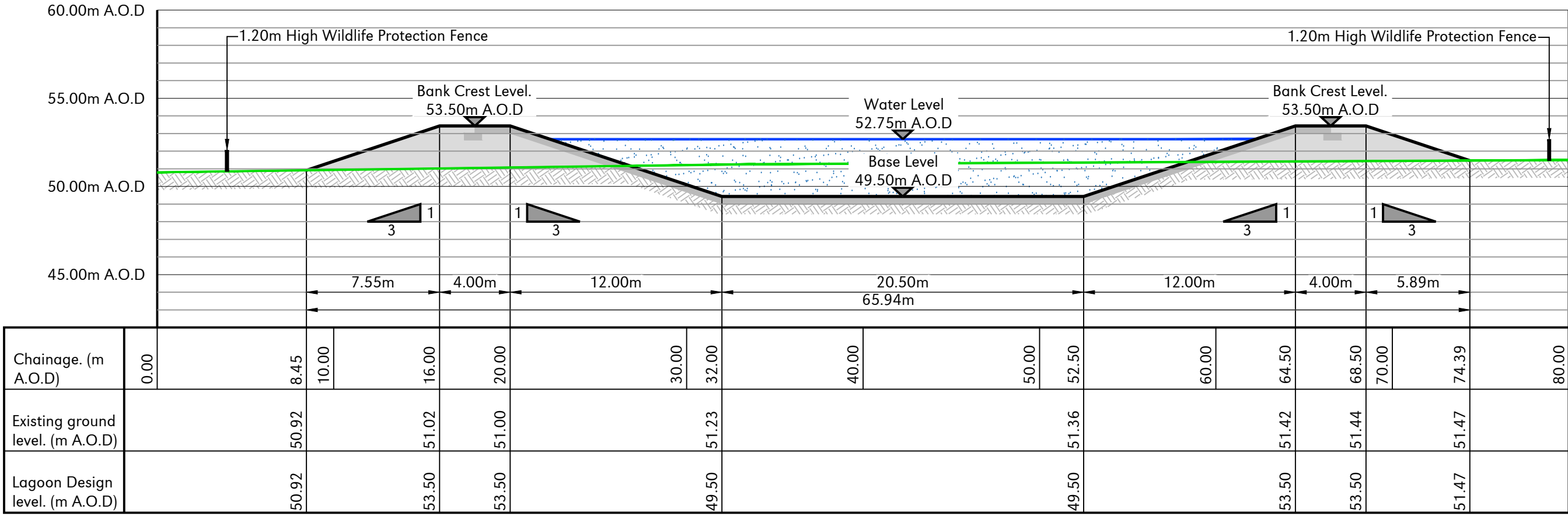


Digestate Storage Lagoon A (North) General Arrangement Plan  
Scale 1:250



Section A - A  
Scale 1:250 Horizontal, 1:250 Vertical



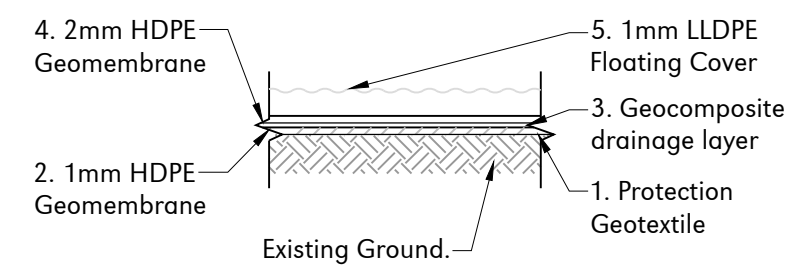
Section B - B  
Scale 1:250 Horizontal, 1:250 Vertical

General Notes:

- All dimensions noted are in metres unless stated otherwise.
- All levels to be above Ordnance Survey Datum defined levels (A.O.Dm) unless noted otherwise.
- Do not scale from this drawing. If dimensions are not clear ask.
- This document has been created in accordance with Plandescil Ltd. Terms & Conditions along with the scope of works provided by the client to Plandescil Ltd. Any use of this document other than for its original purpose is prohibited. Plandescil Ltd. accept no liability for any third party uses of this document.
- Plandescil Ltd. to be immediately notified of any suspected omissions or discrepancies.
- This drawing is to be read in conjunction with all other relevant documents relating to the project.

Design Calculations:

- Lagoon footprint area (outer bank inc.) = 5,520m².
- Lagoon area to be lined (inc. internal slopes, excl. additional liner for anchor trench) = 2,960m².
- Lagoon volume excluding freeboard = 4,995m³.
- Lagoon volume including freeboard = 6,952m³.
- Bank Slopes: 1:3 Internal and 1:3 External.
- Cut/Fill:
  - 100% compaction assumed placing cut material.
  - Cut/Fill designed at 1:1 bulking/compaction factors.
  - Total cut excavation volume (exc. topsoil) = TBC.
  - Total fill excavation volume (exc. topsoil) = TBC.
  - Net cut/fill (exc. topsoil) = TBC.
- Storage capacity of lagoon designed to allow a nominal 750mm vertical freeboard.
- Placement of topsoil over the formed banks to be at a minimum of 300mm, residual volume to be lost in adjacent field.
- Estimated 300mm topsoil strip volume = 1,655m³.



Typical Lining Detail

Scale 1:20

Lining ordered from bottom to top.

Legend:	
<span style="color: green;">—</span>	Original Ground Level (Section)
<span style="color: blue;">—</span>	Lagoon Water Level (Section)
<span style="color: red;">—</span>	Redline Boundary (Plan Area - 7,023m²)

**NOT TO BE USED  
FOR CONSTRUCTION**

**FOR PLANNING**

Rev	Date	Rev By	Chkd	First Issue
0	09-02-22	-	AF	Description

**plandescil**  
consulting engineers

Connaught Road, Arleborough, Norfolk, NR17 2BW  
Telephone: (01953) 452001 Fax: (01953) 456955  
E-mail: [pd@plandescil.co.uk](mailto:pd@plandescil.co.uk) [www.plandescil.co.uk](http://www.plandescil.co.uk)

civil / structural / environmental / surveying

Client:  
**BioWatt Site Services Ltd**

Project:  
**Proposed Digestate Lagoon  
Land Off Common Road,  
Bressingham, Diss**

Drawing Title

**Proposed Digestate Storage  
Lagoon A (North) GA Details**

Scale	U.N.O.	Date	Drawn By
As Noted (A0)	February 2022	JLB	
Drawing No.	Rev	0	
27402/503			

