



**HELIOS** RENEWABLE  
ENERGY  
PROJECT

**PINS Document Number:**  
EN010140/APP/6.2.4.3

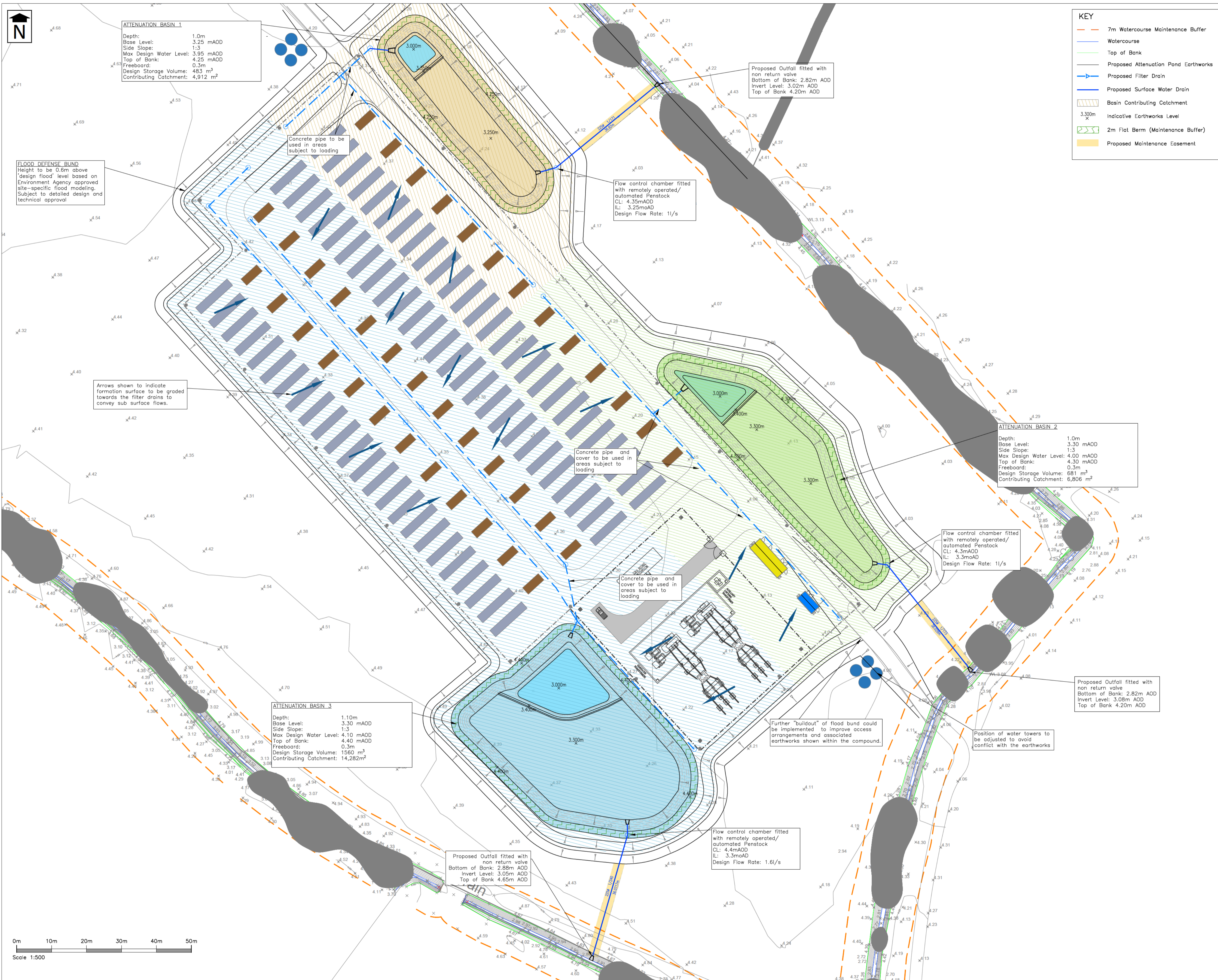
**Pursuant to:**  
APFP Regulation 5(2)(a)

**Environmental Statement Figure 4.3:  
BESS and Substation Preliminary  
Drainage Strategy Drawing**

June 2024







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For Planning  
This drawing is produced for the purposes of supporting a planning application and should not be relied upon for tender, pricing, or construction purposes.

**NOTES**

- Drawing based on Substation/BESS Block Plan, produced by Enso Energy, Drawing No. DX-01-P42, (Dated 01/02/24).
- Drawing based on Topographical Survey, produced by Storm Geomatics, Drawing Nos. 851/15 and 851/16 (Dated: 09/10/2023)
- Surface water drainage for the BESS area subject to detailed design and technical approval.
- Basins shown with indicative 300mm deep sediment forebays with a 100mm bund above the base of the feature.
- Drawing to be read in conjunction with Flood Risk Assessment (including drainage strategy), Document Reference: E216-DOCD1-FRA.
- Greenfield Runoff Rate for the entire compound contributing catchments (2,600ha):  
Q<sub>50%</sub>: 4.1 l/s  
Q<sub>1%</sub>: 3.6 l/s  
Q<sub>100%</sub>: 8.6 l/s
- Sely Area IDB runoff rate restriction 1.4 l/s/ha or 3.6 l/s.
- BESS compound, including areas under Attenuation Basins, to be lined with an impermeable liner to prevent the formation of a pathway between the surface and underlying aquifer.

Rev	Date	Description	Drawn	Check
#	09/06/23	First Issue.	IS	SM
A	13/02/23	Updated in accordance with latest layout and updated drainage strategy	DAB	BF
B	03/04/23	Penstock valve details amended. Note 10 revised to confirm impermeable liner extending under Attenuation Basins.	SAM	SAM

Status  
**FOR PLANNING**

Client  
**Enso Green Holdings D Ltd**

Project  
**Helios Renewable Energy Project**

Drawing Title  
**BESS and Substation Preliminary Drainage Strategy**

Drawing No. **E216/88** Rev B  
Date: May 2023 Scale: 1:500 @ A1  
E-Mail: @pfapl.com