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KEY

- 20m Bund Buffer
- 7m Watercourse Maintenance Buffer
- Watercourse
- Top of Bank
- Proposed Attenuation Pond Earthworks
- 2m SuDS Maintenance Buffer
- Proposed Filter Drain
- Proposed Land Drain

NOTES

1. Drawing based on Substation/BESS Block Plan, produced by Enso Energy, Drawing No. DX-01-P42, (Dated 03/05/23).
2. Surface water drainage for the BESS area subject to detailed design and technical approval.
7. Drawing to be read in conjunction with Flood Risk Assessment (including drainage strategy), Document Reference: E216-DOC01-FRA.

Rev	Date	Description	Drawn	Check
#	09/06/23	First Issue.	IS	SM

Status

FOR INFORMATION

Client

Enso Energy Ltd

Project

Helios Renewable Energy Project

Drawing Title

BESS and Substation Preliminary Drainage Strategy

Drawing No.

E216/88

Date: May 2023 Scale: 1:500 @ A1

E-Mail: istevenson@pfapl.com

ATTENUATION BASIN 1

Depth: 1.1m
 Base Level: 3.482 mAOD
 Side Slope: 1:3
 Max Design Water Level: 4.282 mAOD
 Top of Bank: 4.582 mAOD
 Freeboard: 0.3m
 Design Storage Volume: 267.68 m³

Proposed Outfall
 Bottom of Bank: 2.30m AOD
 Pipe Inlet height: 3.262m AOD
 Top of Bank 4.250m AOD

ATTENUATION BASIN 2

Depth: 0.8m
 Base Level: 3.508 mAOD
 Side Slope: 1:3
 Max Design Water Level: 4.008 mAOD
 Top of Bank: 4.308 mAOD
 Freeboard: 0.3m
 Design Storage Volume: 77.304 m³

Catchment Boundary A

Catchment Boundary B

Proposed Outfall
 Bottom of Bank: 3.150m AOD
 Pipe Inlet height: 3.471m AOD
 Top of Bank 4.250m AOD

