



# Meridian Solar Farm

EN010169

Volume 6

Environmental Statement

6.3 ES Appendix 11-4:  
Outline Drainage Strategy  
- Annex D

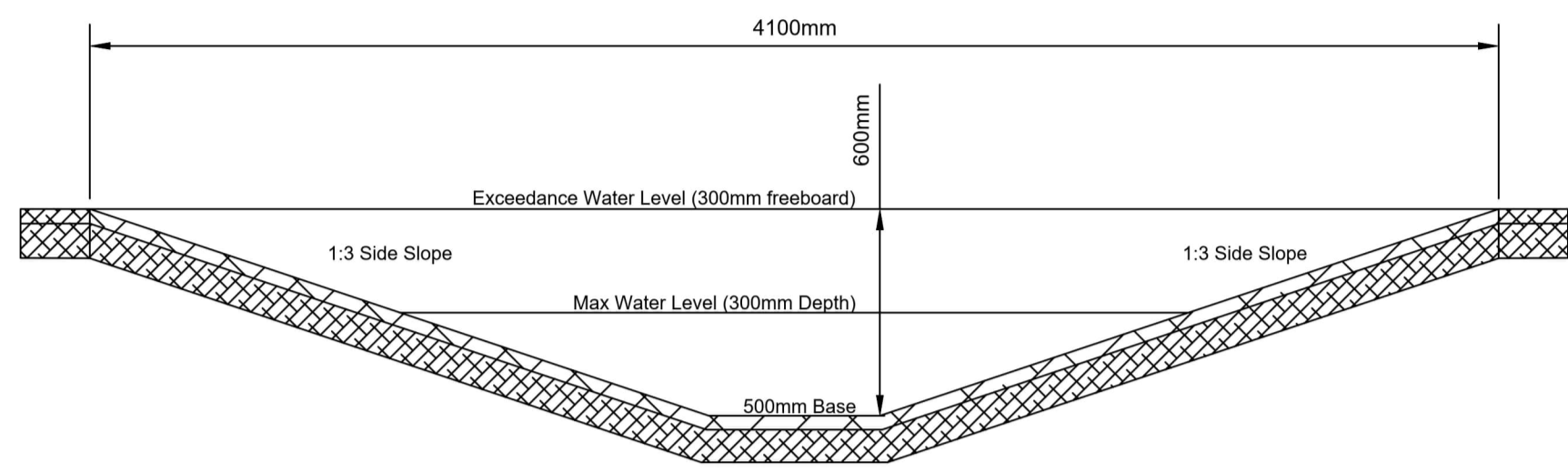
APFP Regulation 5(2)(a)

Infrastructure Planning (Applications:  
Prescribed Forms and Procedure)  
Regulations 2009

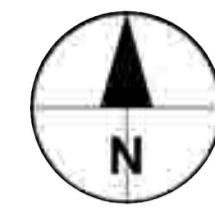
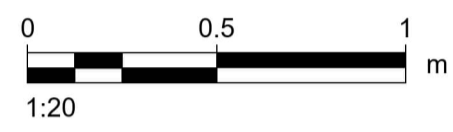
March 2026

# Annex D - Drainage General Arrangement Drawing

MERIDIAN SOLAR FARM  
DRAINAGE GENERAL ARRANGEMENT  
REGULATION 5(2) (a)  
SHEET 1 OF 5



Swale Cross Section  
Scale 1: 20



No viable discharge location, swale to utilise infiltration.

Top of Bund: 2.6m AOD  
Earthworks to be maximum 1:3 side slopes

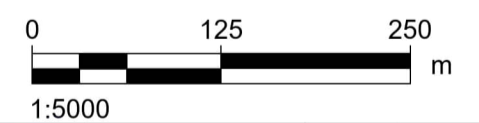
No viable discharge location, swale to utilise infiltration.

LEGEND

- Postland Catchment Model 1:30 yr (Flood Zone 3b)
- Postland Catchment Model 1:100yr + 28% CC (Flood Zone 3a)
- Postland Catchment Model 1:1000yr + 28% CC
- River Welland Breach Model 1:1000 yr
- SOLAR STATION
- PV MODULES
- FIELD NUMBER
- ORDER LIMITS
- BESS ATTENUATION SWALE
- TEMPORARY CONSTRUCTION COMPOUND
- ORDINARY WATERCOURSE
- MAIN RIVER
- SUBSTATION
- PROPOSED ACCESS TRACK
- EXISTING FLOOD DEFENCES
- CONSTRUCTION COMPOUNDS
- FENCE
- ACCESS 1
- ACCESS 2
- INTER-ARRAY CONNECTION 10m: UNDERGROUND CABLE
- INTER-ARRAY CONNECTION 50m: OVERGROUND 132KV CABLE

Notes

1. These plans are illustrative/indicative and will sit within the order limits. Due to the need for future flexibility, Meridian Solar Limited will be applying for order limits and limits of deviation within its DCO, within which any final alignment would lie.
2. All dimensions are approximate and indicated in metres (m) unless noted otherwise.
3. This drawing is scaled at paper size A1, therefore any prints taken at smaller sizes will affect accuracy of the measurement units and should not be scaled against.
4. Do not scale from this drawing.
5. All levels shown are in metres above ordnance datum (AOD) unless stated otherwise.
6. Site levels based on topographical survey by Carter Jonas, April 2024.
7. Site layout based on 'DOW-2025-01-DCO\_Application-Energy\_Par\_Layout-A'
8. The information on this plan is given without obligation or warranty. No liability of any kind whatsoever is accepted by AECOM for any errors or omissions.
9. Solar PV panel height min 800mm above ground level. 1.3m in areas at risk of flooding to ensure upper panels can remain operational in times of flood.
10. Where solar stations are located within the flood extents and cannot be raised on plinths they are to have a flood defence wall or bund for protection.
11. CSEC compounds are to be bunded where appropriate. Refer to ES Appendix 11-3 Flood Risk Assessment (Doc Ref. 6.3) for detail of CSEC drainage.
12. All bunding to be constructed from suitable impermeable material, confirmed via geotechnical testing at detailed design.
13. Access to substations over flood protection bunds to be reviewed at detailed design. Access assumed to consist of 1:12 ramps either side of the bund. To represent worst case scenario.
14. All swales to discharge to closest watercourse via piped outfall unless annotated on plan indicating for infiltration.



Issue	Date	DCO Submission	SB	CB	XX

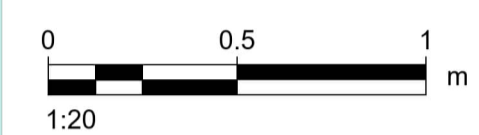
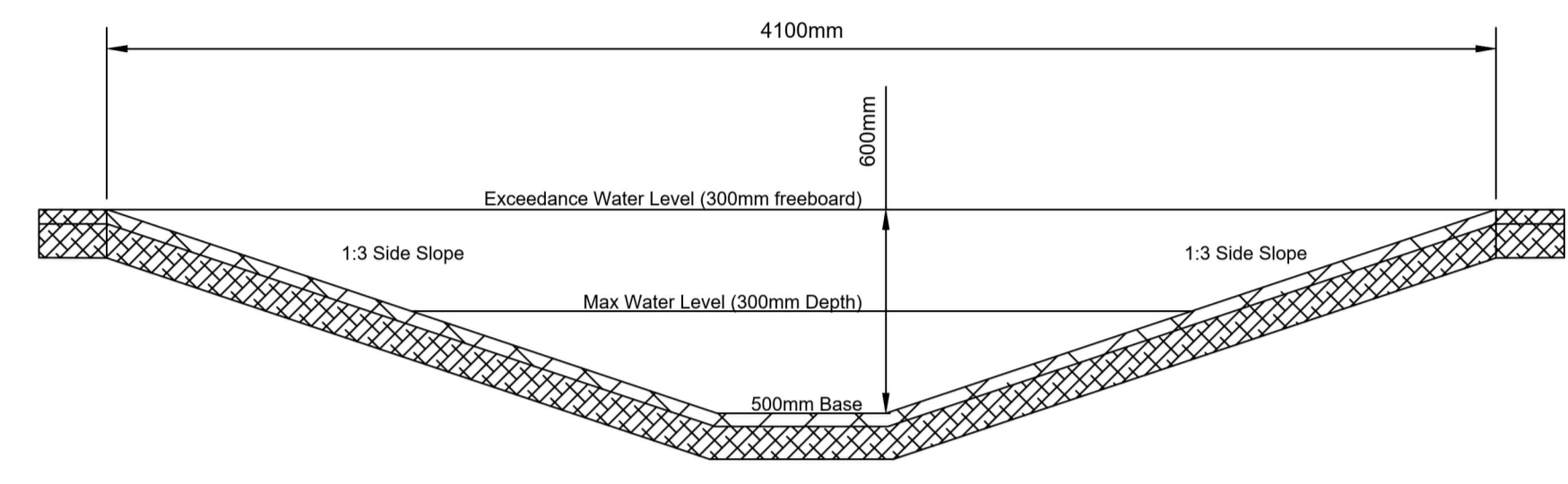
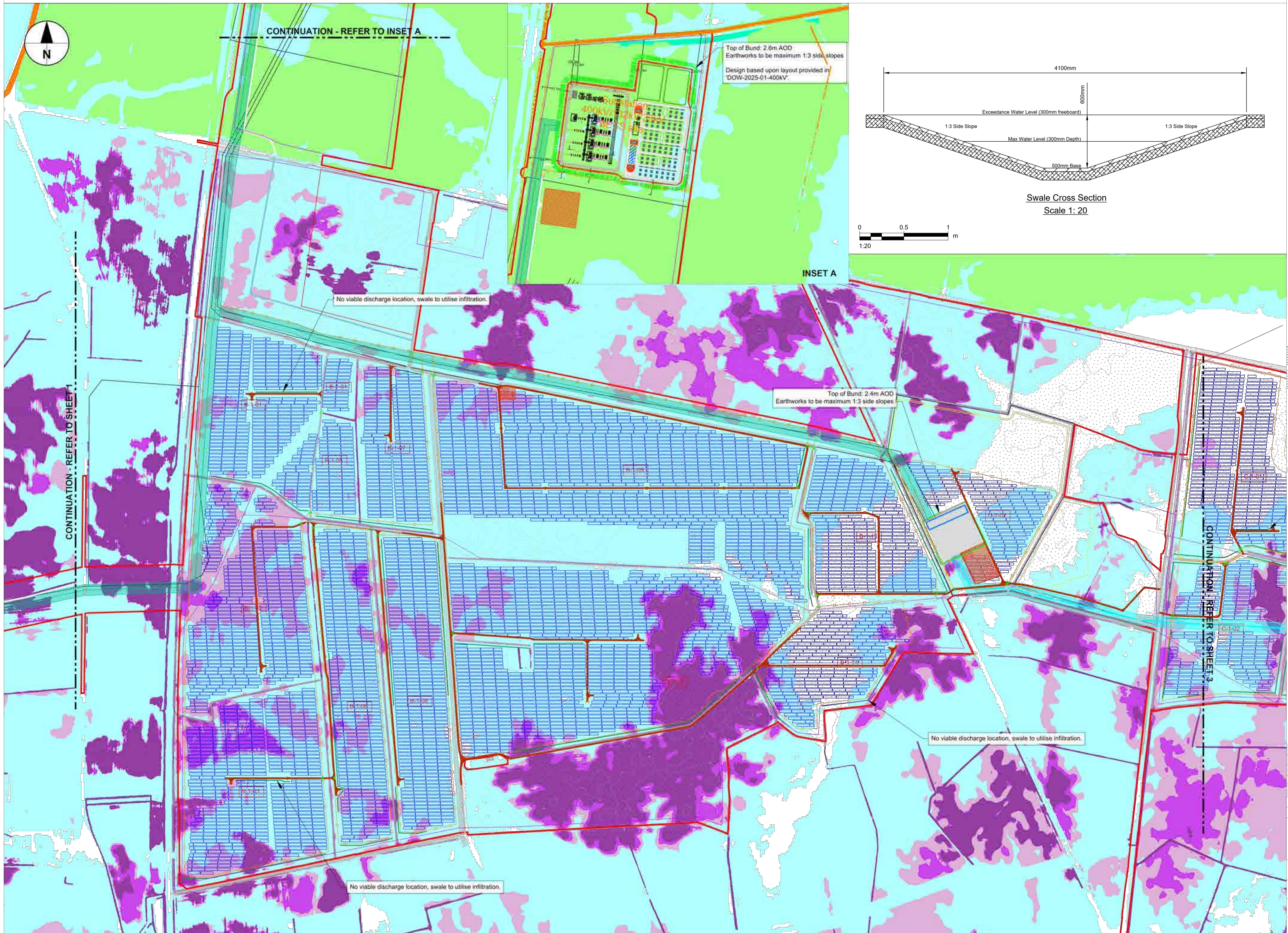
MERIDIAN SOLAR FARM  
DRAINAGE GENERAL ARRANGEMENT  
REGULATION 5(2) (a)  
SHEET 1 OF 5

Application Number: EN010169

Meridian Drawing Reference: 60753382-ACM-ZZ-XX-DR-CE-000001

Scale	Sheet Size	Sheet	Issue
1:5,000	A1	SHEET 1 OF 5	P01

MERIDIAN SOLAR FARM  
DRAINAGE GENERAL ARRANGEMENT  
REGULATION 5(2) (a)  
SHEET 2 OF 5



**LEGEND**

- Postland Catchment Model 1:30 yr (Flood Zone 3b)
- Postland Catchment Model 1:100yr + 28% CC (Flood Zone 3a)
- Postland Catchment Model 1:1000yr + 28% CC
- River Welland Breach Model 1:1000 yr
- SOLAR STATION
- PV MODULES
- FIELD NUMBER
- ORDER LIMITS
- BESS ATTENUATION SWALE
- TEMPORARY CONSTRUCTION COMPOUND
- ORDINARY WATERCOURSE
- MAIN RIVER
- SUBSTATION
- PROPOSED ACCESS TRACK
- EXISTING FLOOD DEFENCES
- CONSTRUCTION COMPOUNDS
- FENCE
- ACCESS 1
- ACCESS 2
- INTER-ARRAY CONNECTION 10m: UNDERGROUND CABLE
- INTER-ARRAY CONNECTION 50m: OVERGROUND 132kV CABLE
- South Holland Main Drain Model: 1 in 30 year Pump On
- South Holland Main Drain Model: 1 in 100 year Pump On
- South Holland Main Drain Model: 1 in 1000 year Pump Off

- Notes**
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  7. Site layout based on 'DOW-2025-01-DCO\_Application-Energy\_Par\_Lay-out-A'
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  9. Solar PV panel height min 900mm above ground level. 1.3m in areas at risk of flooding to ensure upper panels can remain operational in times of flood.
  10. Where solar stations are located within the flood extents and cannot be raised on plinths they are to have a flood defence wall or bund for protection.
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  12. All bunding to be constructed from suitable impermeable material, confirmed via geotechnical testing at detailed design.
  13. Access to substations over flood protection bunds to be reviewed at detailed design. Access assumed to consist of 1:12 ramps either side of the bund. To represent worst case scenario.
  14. All swales to discharge to closest watercourse via piped outfall unless annotated on plan indicating for infiltration.



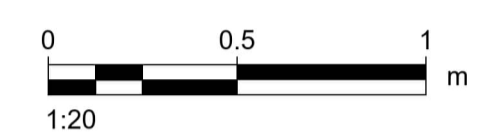
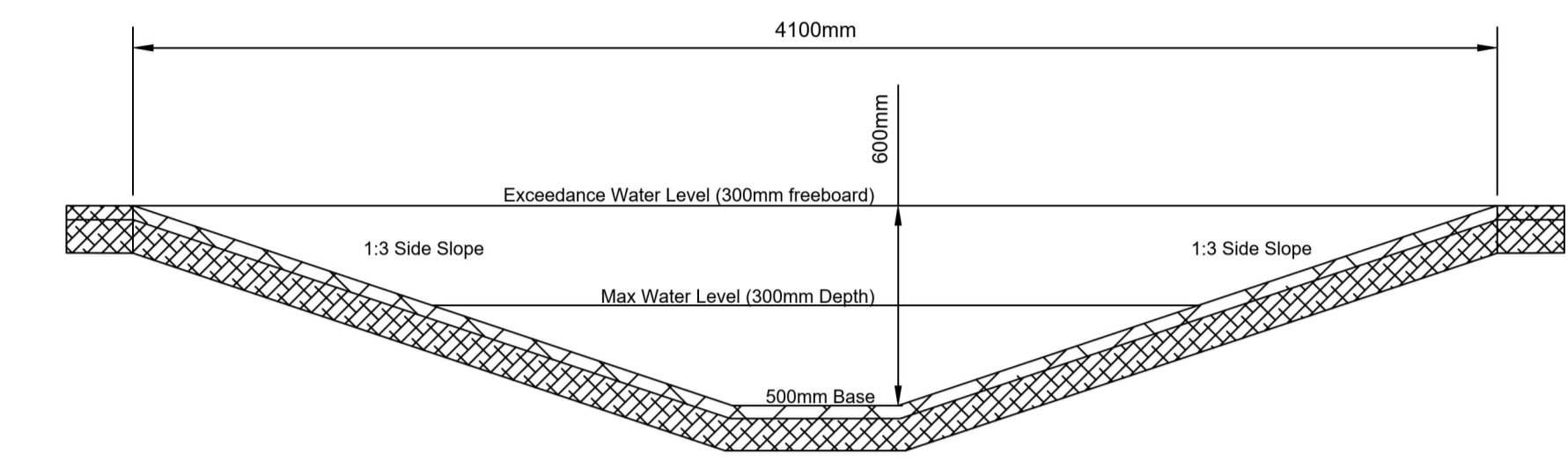
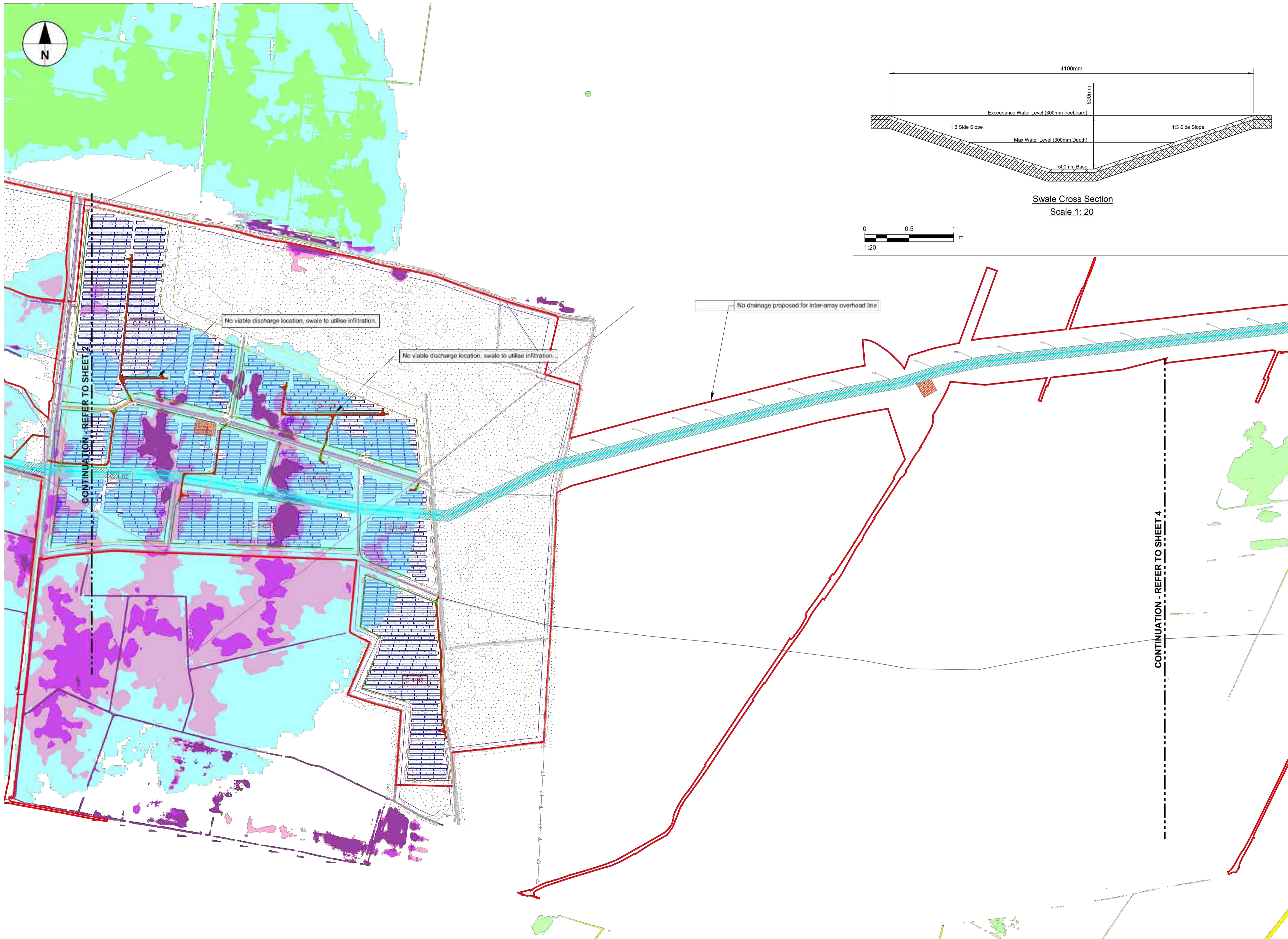
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**MERIDIAN SOLAR FARM  
DRAINAGE GENERAL ARRANGEMENT  
REGULATION 5(2) (a)  
SHEET 2 OF 5**

Application Number	EN010169
Meridian Drawing Reference	60753382-ACM-ZZ-XX-DR-CE-00002

Scale	Sheet Size	Sheet	Issue
1:5,000	A1	SHEET 2 OF 5	P01

MERIDIAN SOLAR FARM  
DRAINAGE GENERAL ARRANGEMENT  
REGULATION 5(2) (a)  
SHEET 3 OF 5



**LEGEND**

- Postland Catchment Model 1:30 yr (Flood Zone 3b)
- Postland Catchment Model 1:100yr + 28% CC (Flood Zone 3a)
- Postland Catchment Model 1:1000yr + 28% CC
- River Welland Breach Model 1:1000 yr
- SOLAR STATION
- PV MODULES
- FIELD NUMBER
- ORDER LIMITS
- BESS ATTENUATION SWALE
- TEMPORARY CONSTRUCTION COMPOUND
- ORDINARY WATERCOURSE
- MAIN RIVER
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Issue	Date	Remarks	Drawn	Checked	Approved
	March 2025	DCO Submission	SB	CB	XX

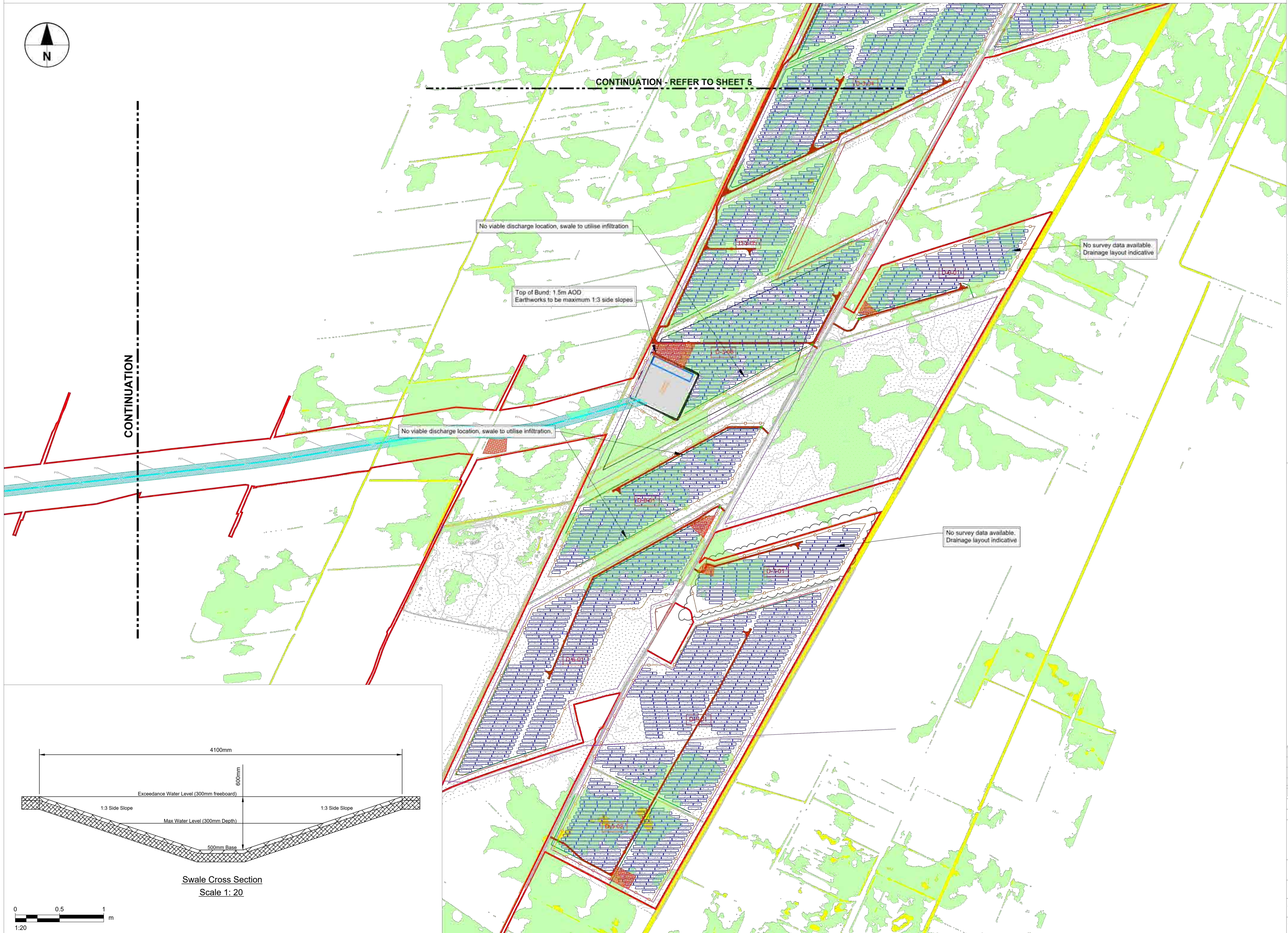
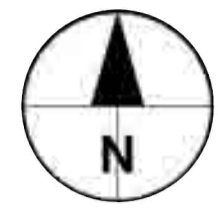
**MERIDIAN SOLAR FARM  
DRAINAGE GENERAL ARRANGEMENT  
REGULATION 5(2) (a)  
SHEET 3 OF 5**

Application Number: EN010169

Meridian Drawing Reference: 60753382-ACM-ZZ-XX-DR-CE-000003

Scale	Sheet Size	Sheet	Issue
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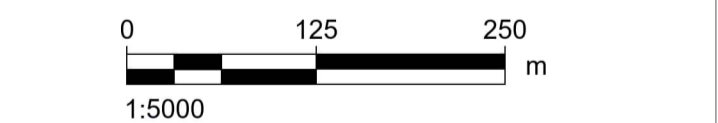
MERIDIAN SOLAR FARM  
DRAINAGE GENERAL ARRANGEMENT  
REGULATION 5(2) (a)  
SHEET 4 OF 5



**LEGEND**

- SOLAR STATION
- PV MODULES
- FIELD NUMBER
- ORDER LIMITS
- BESS ATTENUATION SWALE
- TEMPORARY CONSTRUCTION COMPOUND
- ORDINARY WATERCOURSE
- MAIN RIVER
- SUBSTATION
- PROPOSED ACCESS TRACK
- EXISTING FLOOD DEFENCES
- CONSTRUCTION COMPOUNDS
- FENCE
- ACCESS 1
- ACCESS 2
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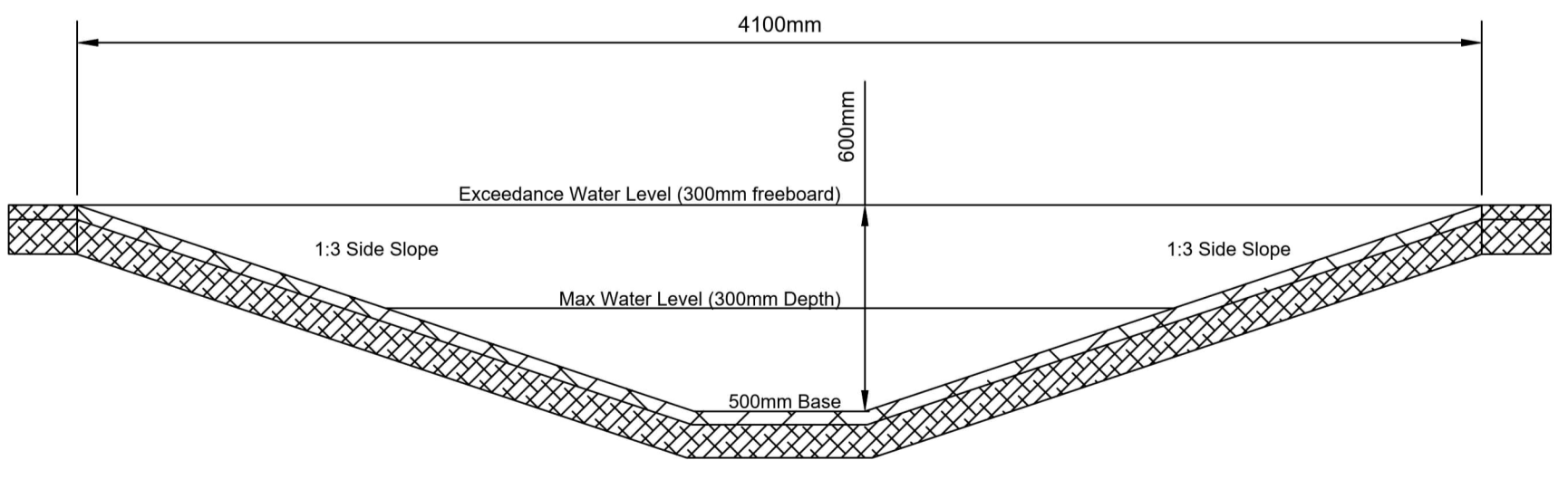
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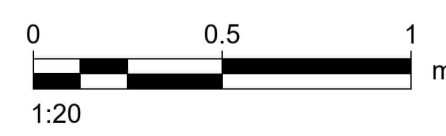
Issue	Date	Remarks	SB	CB	XX
March 2026		DCO Submission			

**MERIDIAN SOLAR FARM  
DRAINAGE GENERAL ARRANGEMENT  
REGULATION 5(2) (a)  
SHEET 4 OF 5**

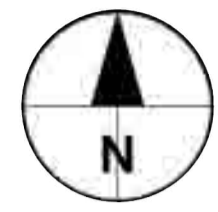
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Meridian Drawing Reference	60753382-ACM-ZZ-XX-DR-CE-000005		
Scale	Sheet Size	Sheet	Issue
1:5,000	A1	SHEET 4 OF 5	P01



Swale Cross Section  
Scale 1: 20



MERIDIAN SOLAR FARM  
DRAINAGE GENERAL ARRANGEMENT  
REGULATION 5(2) (a)  
SHEET 5 OF 5

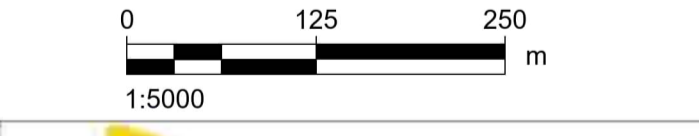


**LEGEND**

	SOLAR STATION
	PV MODULES
	FIELD NUMBER
	ORDER LIMITS
	BESS ATTENUATION SWALE
	TEMPORARY CONSTRUCTION COMPOUND
	ORDINARY WATERCOURSE
	MAIN RIVER
	SUBSTATION
	PROPOSED ACCESS TRACK
	EXISTING FLOOD DEFENCES
	CONSTRUCTION COMPOUNDS
	FENCE
	ACCESS 1
	ACCESS 2
	INTER-ARRAY CONNECTION 10m: UNDERGROUND CABLE
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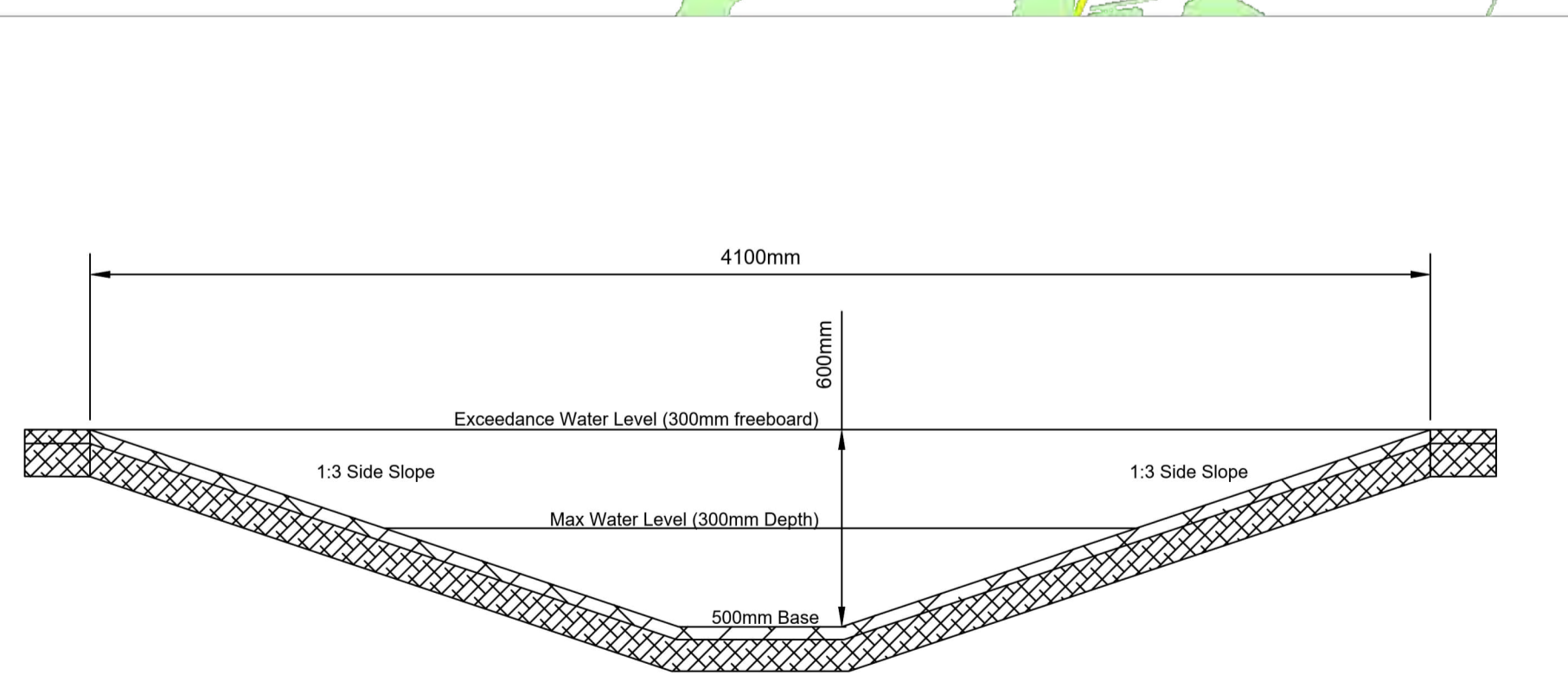


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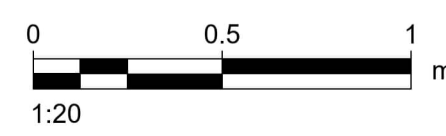


March 2026	DCO Submission	SB	CB	XX	
Issue	Date	Remarks	Drawn	Checked	Approved
<b>MERIDIAN SOLAR FARM DRAINAGE GENERAL ARRANGEMENT REGULATION 5(2) (a) SHEET 5 OF 5</b>					

Application Number	EN010169		
Meridian Drawing Reference	60753382-ACM-ZZ-XX-DR-CE-000005		
Scale	Sheet Size	Sheet	Issue
1:5,000	A1	SHEET 5 OF 5	P01



Swale Cross Section  
Scale 1: 20



CONTINUATION - REFER TO SHEET 4