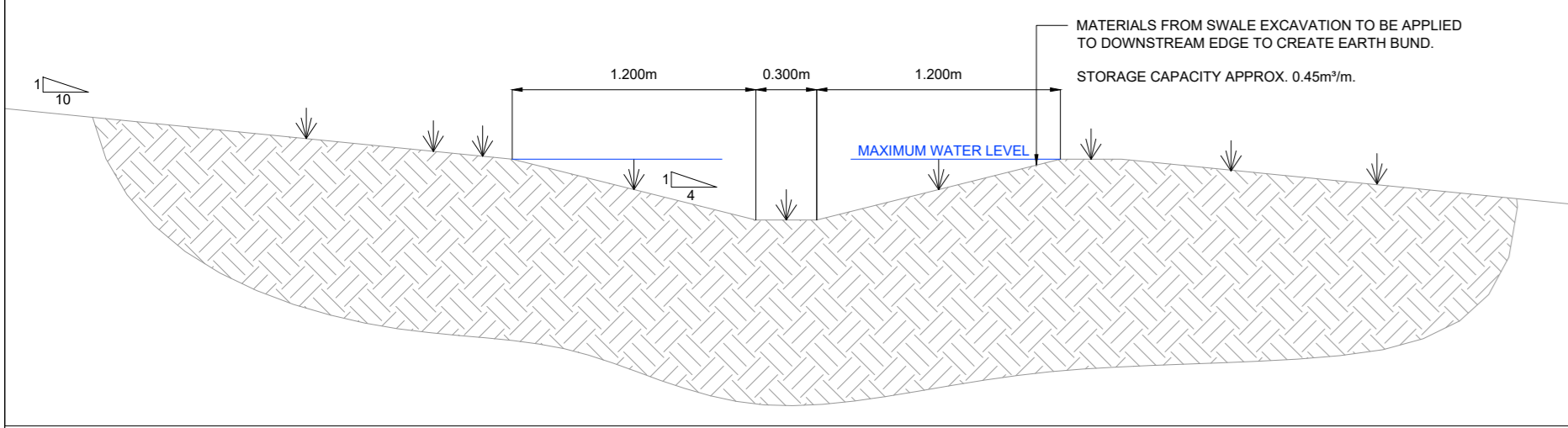
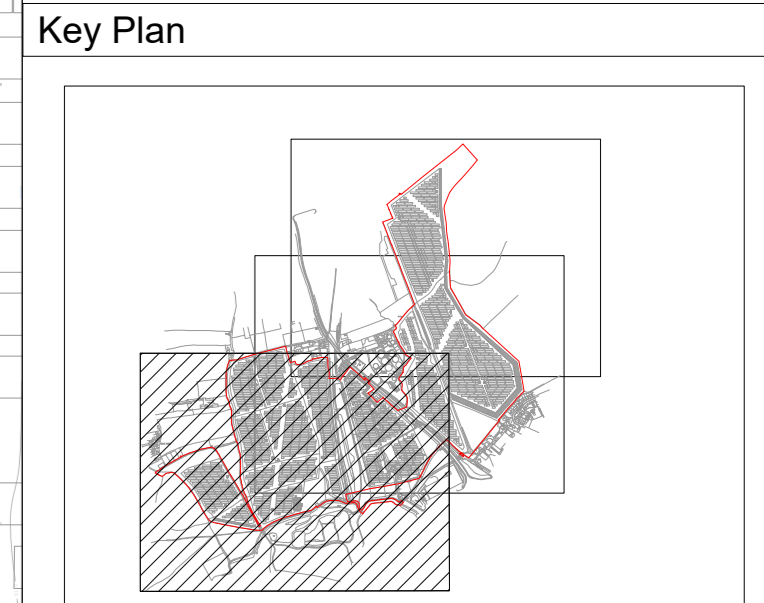


## **Appendix 4 – Surface Water Drainage Strategy**

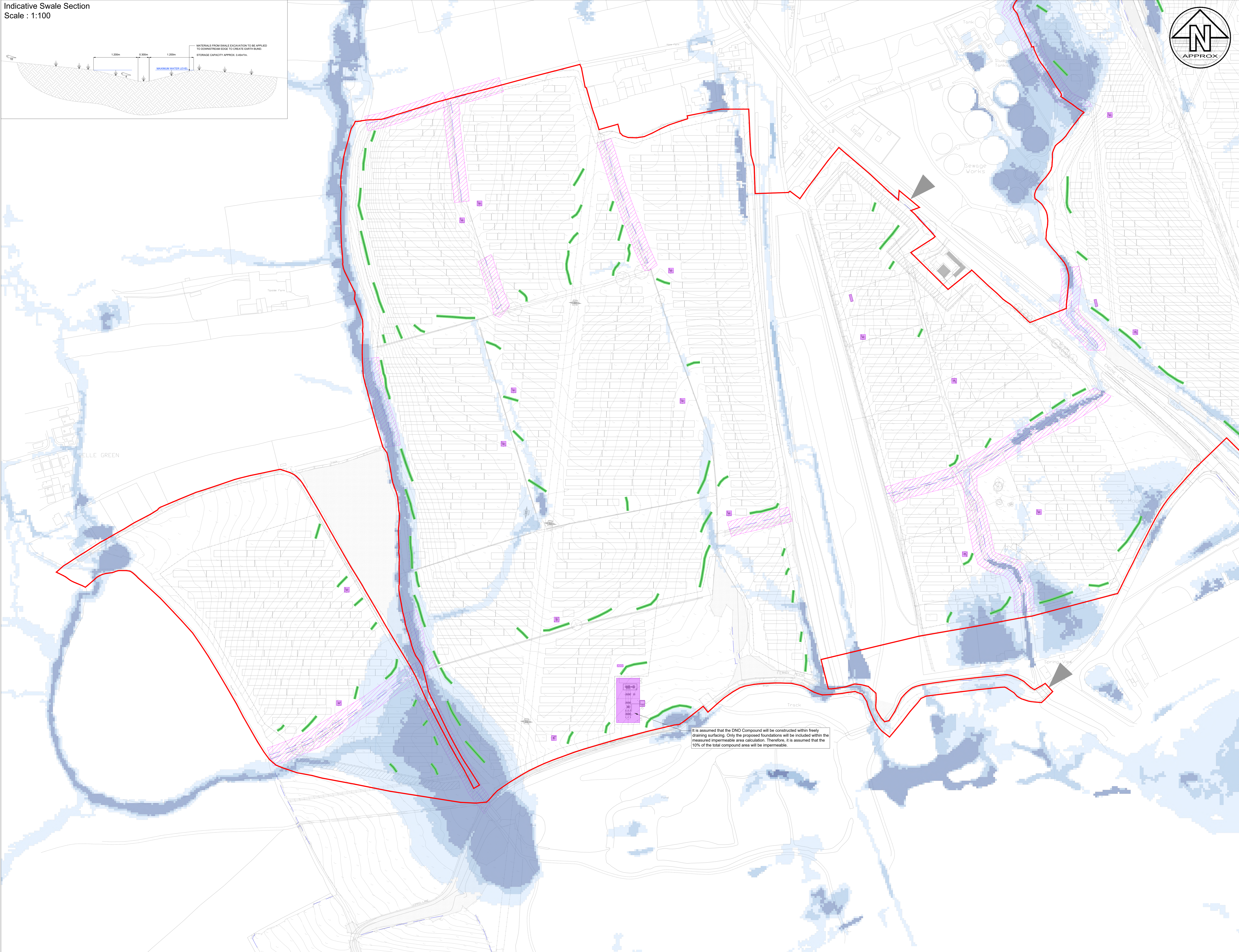
Indicative Swale Section  
Scale : 1:100



- Notes**
- Do not scale this drawing. All dimensions must be checked/verified on site, if in doubt ask.
  - This drawing is to be read in conjunction with all relevant architects, engineers and specialist drawings and specifications.
  - All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.
  - Any discrepancies noted on site are to be reported to the engineer immediately.
  - This constraints plan is based on Grimethorpe Planning Layout Environment Project Management UK Limited Reference: P001033-11-Planning\_Layou, Rev G) dated 15th November 2024.
  - Topographical Survey completed by BWB Consulting Ltd (reference: NVA-0008-03-CZ-001) dated 15th January 2023.
  - Contains Environment Agency data © copyright and database rights (2024).
  - As stated within the Barnsley Level 1 Strategic Flood Risk Assessment, an 8m easement must be maintained from all watercourses for maintenance purposes.
  - This drawing should be read in conjunction with BWB Consulting Drainage Statement (reference: ELG-BWB-ZZ-XX-D-0001\_DS).
  - Do not construct from this drawing. This drawing is intended to be a proof of concept only and all drainage infrastructure and levels are to be confirmed at detailed design with agreement with all relevant consultees.



- Legend**
- Indicative Site Boundary
  - Ditch Top of Bank
  - 5m Ditch Easement from Top of Bank
  - Measured Impermeable Area
  - Proposed Swale
- Environment Agency Surface Water Extents**
- 1 in 30-Year (High Risk)
  - 1 in 100-Year (Medium Risk)
  - 1 in 1000-Year (Low Risk)
- Site Area: 90.63ha  
Measured Impermeable Area: 0.009ha  
Percentage Impermeability: 0.1%



It is assumed that the DNO Compound will be constructed within freely draining surfacing. Only the proposed foundations will be included within the measured impermeable area calculation. Therefore, it is assumed that the 10% of the total compound area will be impermeable.

P01	13.12.24	Preliminary Issue	AE	LDR
Rev	Date	Details of issue / revision	Drawn	Reviewed

**Issues & Revisions**

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**Client**  
**ENVIRONMENTA PROJECT MANAGEMENT UK LTD**

**Project Title**  
**ENGINE LANE, GRIMETHORPE**

**Drawing Title**  
**SURFACE WATER DRAINAGE STRATEGY - SHEET 1**

Drawn:	A. Eaton	Reviewed:	L. Ream
BWB Ref:	221749	Date:	13.12.24
Scale:	Scale: A0	Scale:	1:1250
<b>PRELIMINARY</b>			
Project - Originator - Zone - Level - Type - Role - Number	Status	Rev	
ELG-BWB-ZZ-XX-D-W-0001	S2	P01	