

# Surface Water Soakaway/Attenuation System Section

**STORAGE VOLUMES:**  
 Soakaway Cells = 21.6m<sup>3</sup>  
 Gravel Bed = 3.77m<sup>3</sup>  
 300mm Deep Depression = 12.57m<sup>3</sup>

**TOTAL STORAGE VOLUME = 37.94m<sup>3</sup> > 35.61m<sup>3</sup> required for 200 year return rainfall event.**

This soakaway itself is designed to accept the water for an impermeable surface area of 600m<sup>2</sup> for a rainfall event with a return period of 30 years + 42% climate change allowance.

**BUILDING (SCOTLAND) ACT 2003**

This plan has been approved by

The Moray Council in terms of the

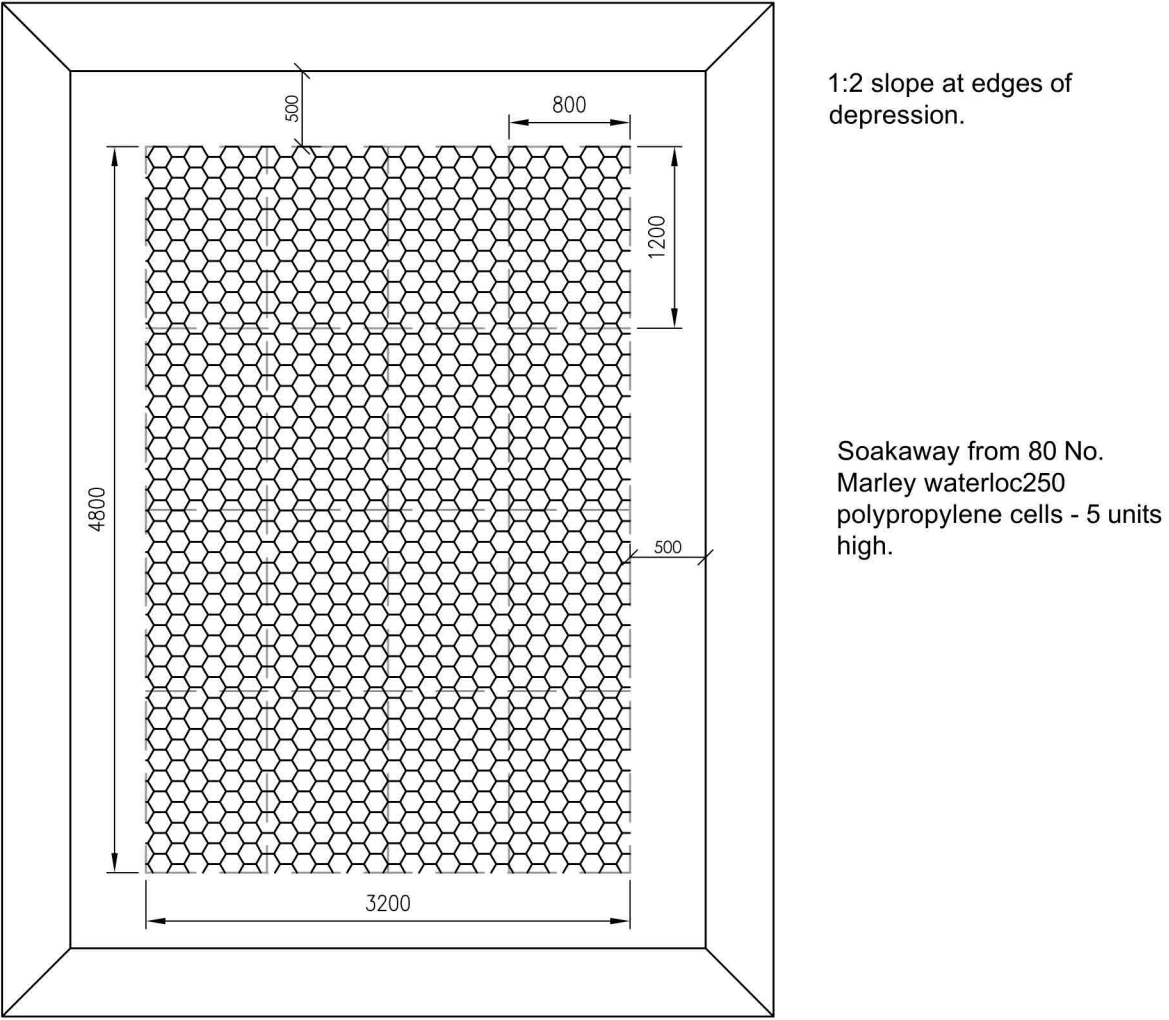
**Building Warrant**

Ref No.: 23/00635/BW

Dated: 04 September 2023

- NOTES:**
- The underground storage system shall be formed from Marley waterloc250 cells. Each unit will measure 1200mm x 800mm x 290mm, be manufactured from virgin high density polypropylene (HDPP). The units will be clipped together as detailed by manufacturers written instructions. Water must be able to traverse freely in all directions.
- For soakaway, the assembly will be encapsulated in a permeable geotextile.
- Appropriate care should be taken during installation and backfilling to prevent damage to the membrane.
  - Details of the Waterloc250 system can be found on the Marley (UK) website.

**MAINTENANCE:**  
 The maintenance responsibility will remain with the Findhorn Foundation, and once yearly the silt trap will be inspected and cleaned out as required.



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**GRAEME CRAIG CONSULTING ENGINEERS LTD**  
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CLIENT FINDHORN FOUNDATION	CONTRACT	DRAWING TITLE	DRAWING NUMBER	SK/3164/01
	SANCTUARY RE-BUILD FINDHORN FOUNDATION	SURFACE WATER SOAKAWAY CONSTRUCTION DETAILS	DATE DRAWN	AUG 2022
			DRAWN BY	GKIC
			SCALE	NTS
			ISSUE	PLANNING
			REVISION	B