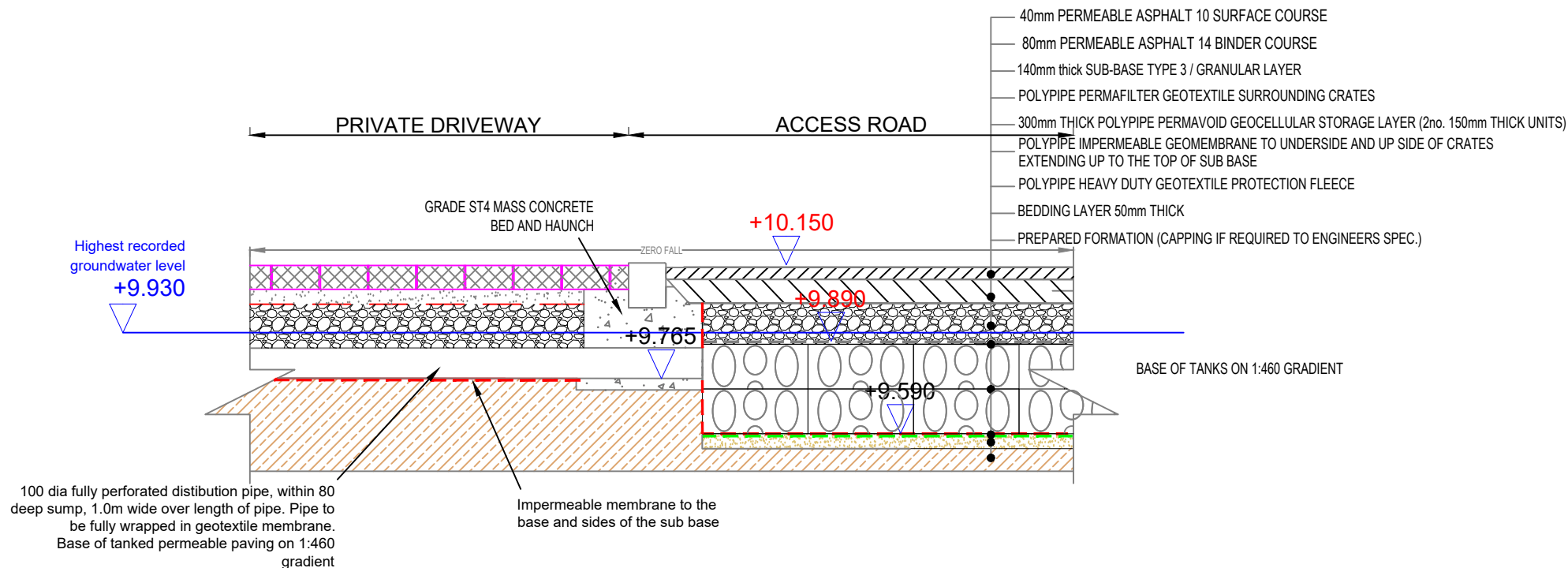




**(SECTION A-A) - SECTION THROUGH JUNCTION BETWEEN
 TANKED PERMEABLE PRIVATE DRIVEWAY AREAS AND PERMEABLE
 ACCESS ROAD WITH PERMAVOID SUB-BASE
 REPLACEMENT ATTENUATION SYSTEM**

SCALE 1: 20

Anti-flotation calculations

Highest recorded groundwater level = 220mm bgl

Flotation to resist on tanks = $9.81 \text{ kN/m}^3 \times 340\text{mm} = 3335 \text{ N/m}^2$

Build-up over tanks resisting flotation =

Tarmac $21.996 \text{ kN/m}^3 \times 120\text{mm} = 2640 \text{ N/m}^2$

Type 3 sub-base = $14.71 \text{ kN/m}^3 \times 140\text{mm} = 2059 \text{ N/m}^2$

Total = $4699 \text{ N/m}^2 > 3335 \text{ N/m}^2$ **OK**



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Drawing Sheet

Job No: 435050	Job: Springfields, Aldinbourne	Scale: As shown @ A4
Date: Sep 2021	Drawn: TB	Checked:
		Drg No: 435050-sk01

Also at:
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 Landguard Manor Road
 Shanklin
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