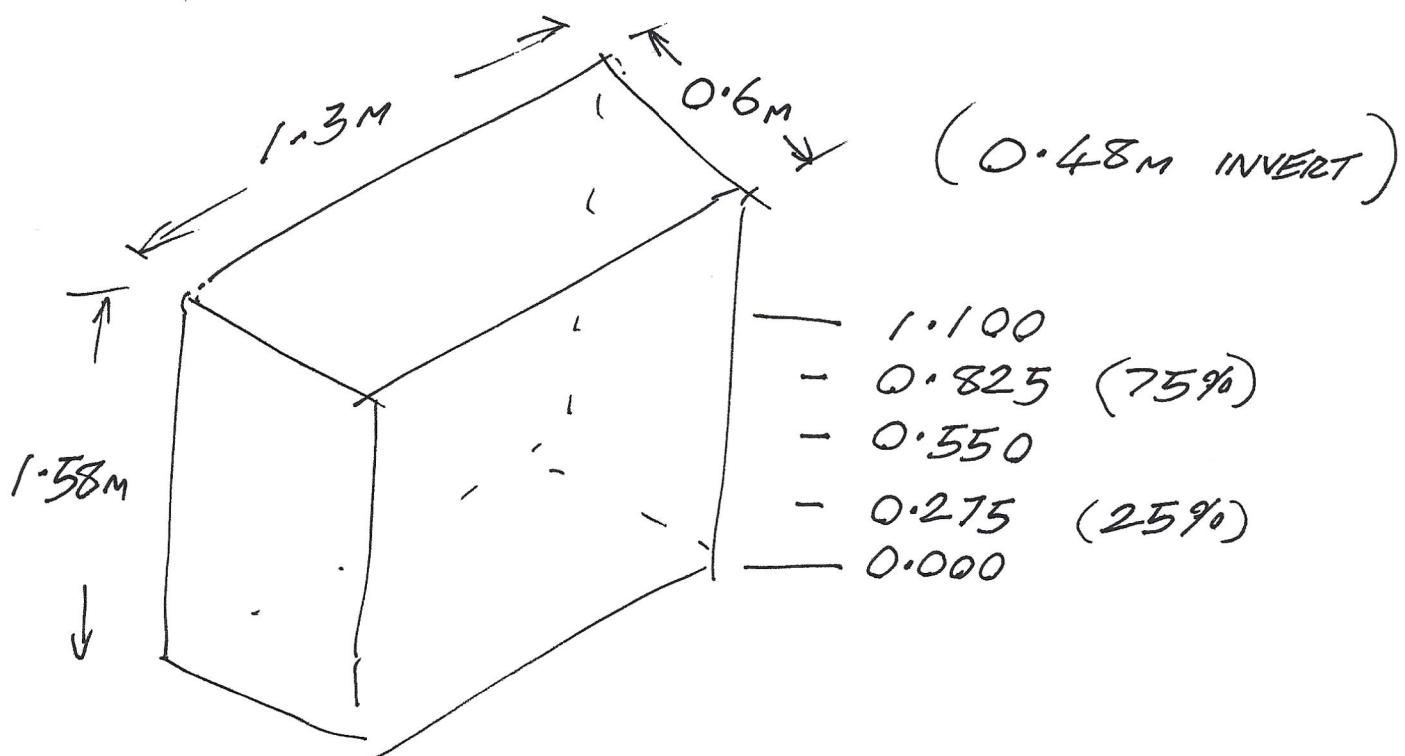


INFILTRATION CALC'S
LAND ADJACENT TO
65B GRAVITY LANE
BOGNOR REGIS

TIMES TO DRAIN
FROM 75% TO 25%
(SEE SKETCH)

1ST	41 MINUTES
2ND	69 MINUTES
3RD	98 MINUTES

TRIAL PIT SKETCH



$$V = 1.3 \times 0.6 \times (0.825 - 0.275)$$

$$= 1.3 \times 0.6 \times 0.55 = \boxed{0.429 \text{ m}^3}$$

$$Q = 0.55 (2(1.3 + 0.6)) + (1.3 \times 0.6)$$

$$= 0.55 (3.8) + 0.78 = 2.87 \text{ m}^2$$

$$f = \frac{0.429}{2.87 \times 98 \times 60} = 0.00002542$$

$$= 2.542 \times 10^{-5}$$