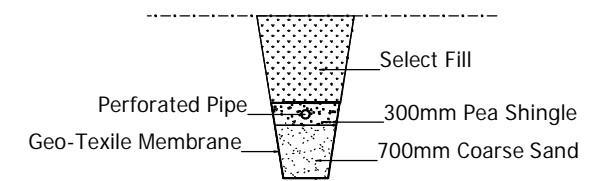


Concrete ground floor 100mm thick placed over full footprint.

Foundations 600mm wide  
200mm deep set @ 500mm  
below ground.

Invert 0.8m

Leach Field Size.  
Vp = 15 (As dictated by consent)  
P = 6  
Area = 0.2 x 6 x 15 = 18m<sup>2</sup>  
Trench width 0.6m  
Trench length required 30m  
Trench length proposed 35m



Leach Field Construction

110mm dia. @ Level

5.85 m

Leach Field

6.36 m

Invert 1.25m

Vent & Inspection pipes

Invert 1.2m

Invert 1.1m

110mm dia. @ 1:70

110mm dia. @ 1:70

110mm dia. @ 1:70

110mm dia. @ 1:60

Invert 0.8m

300mm wide @  
500mm below  
ground

Earth Tubes - these are 6 x 150mm twinwall tubes set as deep as practical (2.4m). They are joined each end in a plenum which has a chimney of blockwork rising to the top of the floor slab. Air is collected at the garage and passes through the tubes to the house where it is used for the MVHR system. The purpose is to condition the air using the relatively constant temperature below ground.

'Roselea' Smiths Loke

Bradwell, Gt. Yarmouth NR31 8DG

TITLE

Foundations, Foulwater  
& Earth Tubes

SIZE

A3

DATE

20/05/10

DRAWN BY

Stephen McGarry

REV

1.0

SCALE

1:100

SHEET

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