

Drainage field and Treatment Plant to be installed below existing ground levels. There are no proposed changes to ground levels or finishes.

4.5m x 4.0m drainage field

New Treatment Plant below ground level

Existing SVP to connect into new manhole as indicated. Existing cloakroom drainage to connect into new manhole as indicated.

New 100mm dia. drainage run from new manhole to Treatment Plant.

6 person Treatment Plant sized to suit the existing dwelling.

The drainage field incorporates a network of perforated pipes, which are laid in the top 700-800mm (minimum legal depth, 500mm) of the soil.

Drainage field to be at least 1m from Treatment Plant, and 15m from any dwelling

New 100mm dia. FW drainage from manhole to new Treatment Plant at a fall of 1 in 40.

There are no watercourses within 10m of the drainage field

There are no natural water supplies within 50m of the drainage field

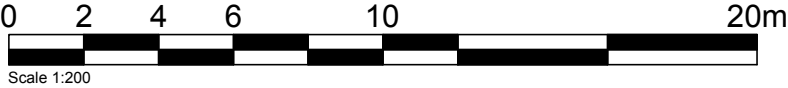
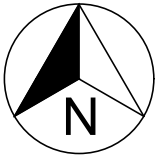
Existing Manhole

New Manhole

Heathway

PROPOSED SITE PLAN

SCALE - 1:200 @ A3



Drainage Field Sizing

$At = p \times Vp \times 0.2$  (Sewage Treatment Plant)

Key:  
At = Area of the drainage field in m2  
p = Number of people served by the tank  
Vp = Percolation value.

Calculated Drainage Field

$At = 6 \times 15 \times 0.2$  (Sewage Treatment Plant)

Key:  
At = 18m2  
p = 6  
Vp = 15

Trial hole and percolation test has been carried out in the drainage field location with a result of 15 seconds.

03

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|---------------|--------------------------------------|----------------|-----------|
| Client        | Judith Selman                        | Revision       | X         |
| Project       | 2 Heathway, Corsley, Wilts, BA12 7PJ | Drawing Number | 0394 - 03 |
| Drawing Title | Proposed Site Plan                   |                |           |

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