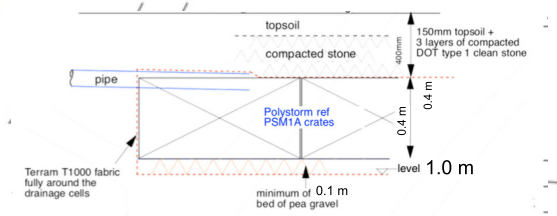
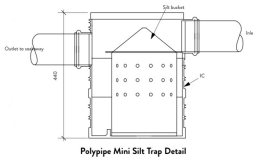


Soakaway details for rear garden

Silt trap detail:



Polypipe Mini Silt Trap Detail

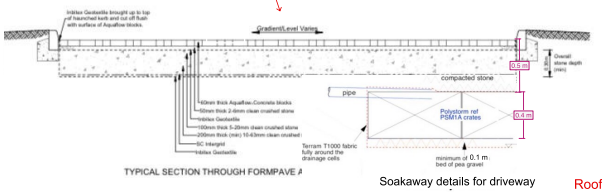
Roof area to be drained
of proposed garage:
6 x 6.3 = 37.8 m^2
x factor of 4/3 for 30 degree
pitch = 50.4 m^2

Silt trap sump depth
of 0.85 mbgl

Invert level of 0.4 mbgl

Proposed garage

Clean crushed stone
will be type 3 reduced
fines to allow water to free
drain as a permeable sub base



TYPICAL SECTION THROUGH FORMPAVE

Soakaway details for driveway

ex 3.5m hedge

ex outbuilding removed

Invert level of soakaway
is 0.9 mbgl

4m x 4m x 0.4m

Invert level of 0.54 mbgl

Sump depth
of 0.82 mbgl

5.0 m

Invert level of 0.4 mbgl

0.3m

3.3m

1.9m

Pipes to be reinforced
with 150mm C35 concrete
with 2 layers A393 mesh
where under driveway
110mm diameter UPVC
drainage laid to a minimum
fall of 1:100

Invert level of 0.4 mbgl

tree removed

turning area

5.0 m

Sump depth of
0.78 mbgl

Invert level of 0.57 mbgl

Invert level of 0.5 mbgl

2.00 m

10.50 m

10.5 x 2 x 0.4 m

Invert level of soakaway
0.9 mbgl

23.8m

Roof area to be drained (impermeable area) into soakaway.
Side of roof: 4.9m x 11m = 53.9m^2
x factor of 1.25 for 22.5 degree pitch
=67.375m^2

Garden room: 3m x 6.6m = 19.8m^2
X factor of 1.25 for 22.5 degree pitch
=24.75m^2
Total: 92.125m^2

Roof area to be drained into front soakaway
East side of roof: 4.9m x 11m = 53.9m^2 X factor of 1.25 for 22.5 degree pitch
=67.375m^2

Cover level of whole
site is 0.00 as site is flat.

Key:
- Inspection chamber
- Silt trap
- Soakaway
- UPVC pipe

Note:
Access cover to
inspection chambers
is to be "driveway 35 kN"

existing parking

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Drawing 3C - Proposed Site Plan
Scale 1:200 @ A3