

Stephen G. Brown
Architect

22 Millwood Road, Ellon

Tel 01358 720250

Mob 07483887685

stevebrown.architect@btopenworld.com

PROPOSED 2no DWELLINGS REPLACING STEADINGS at NEWSEAT OF SCHIVAS

As the house types at all Plots remain of the same size / occupation numbers as approved in APP/2023/0547, the only change from the Cameron + Ross report relates to the surface water drainage for both Plot 4 and Plot 5 hence the following Report

PERCOLATION TEST.

TEST 12 March 2024 REPORT 14 March 2024

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Report
Certificate
Site Plan

SITE

The proposal is to build 2no houses following the demolition of farm buildings at Newseat of Schivas, Ythanbank. Planning Consent is in place for the houses although we propose some changes that do not significantly effect the overall size of the properties not their occupancy levels. There is no change to the Foul drainage therefore the approved submission regarding these from Cameron + Ross remains in place. We have chosen to relocate the Surface Water soakaway for Plot 4 & Plot 5 within the boundaries of each plot hence this report. This has been done to limit excessive excavation into the upward slope of the site and to minimise depth of the soakaway beneath finished ground level

TEST

Trial pits had been dug and the percolation tests were carried out on the 12th of March 2024 with the percolation test commencing at 11.30pm. Conditions were sunny spells, clouding over as day progressed, dry with a light south westerly breeze. Relative positions of the test pits are shown in the attached site plan, the details of the pits are noted below.

PLOT 4 Test Pit 1 The pit section consisted of

0	- 110	Scraped remains of demolitions
110-	- 1400	Dry sand & gravel small stones
1400	-2020	Slightly silty sand & gravel small stones

Test taken at 1620mm deep. No ground water found at this depth.

The pit was further excavated to 2020 and no ground water found at this depth.

Test Pit 2 The pit section consisted of

0	- 190	Scraped remains of hardcore
190	- 1040	Dry sand & gravel small stones
1040	-1690	Slightly silty sand & gravel small stones

Test taken at 1690mm deep. No ground water found at this depth.

PLOT 5 **Test Pit 3** The pit section consisted of

1	- 250	Scraped remains of demolitions
250-	- 1300	Dry sand & gravel small stones
1300	-2080	Slightly silty sand & gravel small stones

Test taken at 1800mm deep. No ground water found at this depth.

The pit was further excavated to 2080 and no ground water found at this depth.

Test Pit42 The pit section consisted of

1	- 210	Scraped remains of hardcore
210	- 800	Dry sand & gravel small stones
800	-1700	Slightly silty sand & gravel small stones

Test taken at 1700mm deep. No ground water found at this depth.

S G BROWN ARIAS, ARB B. Sc(Hons) Dip Arch
for Stephen G Brown Architect Ltd

CERTIFICATE FOR PROPOSED FOUL WATER
SUB-SURFACE SOAKAWAY

Two tests are normally required to demonstrate the suitability of the proposed drainage scheme:

1. A trial pit must be excavated to a depth of 1 metre below the proposed invert of the drain to establish whether or not the water table will interfere with the operation of the soakaway; and
2. A percolation test must be carried out to determine the area of the ground required.

Certificate

Applicant's name ...
(name of person applying for planning permission)

Address Bogengarrie, Ardallie, Peterhead,

Site address **Plot 4** Newseat of Schivas, Ythanbank

Date of test 12.03.2024 Time ...11.30 pm.....

Weather conditions Sunny Spells turning to Overcast,

Trial Pit Test (see attached location plan and drainage report identifying test pit and all wells within 100 metres of test pit)

TEST PIT 1

Depth of drain 0.75.m

Depth of excavation 2.02 m

Water table present No


Percolation Test

Time taken (means of 3 2480 s
Percolation value Vp ... 16.55 s

Number of persons For Surface water only

Floor area of soakaway m²

I hereby certify that I have carried out the above tests in accordance with procedures specified in British Standard BS6297:1983, as amended by AMD6510 1990, and in conjunction with the full requirements set out within the Domestic Scottish Building Standards Technical Handbook (Environment Standard 3.9 Infiltration Systems), the result of which are tabulated above, and that the proposed drainage scheme detailed on the attached plans and report has been designed taking into account the recommendations in the aforementioned standards.

Signed ...  Date 14.3.24

Name/Company Stephen G Brown for Stephen G Brown Architect Ltd.....

Address 22 Millwood Road, Ellon, AB41 9FA

Qualifications B Sc(Hons) Dip Arch.

CERTIFICATE FOR PROPOSED FOUL WATER
SUB-SURFACE SOAKAWAY

Two tests are normally required to demonstrate the suitability of the proposed drainage scheme:

1. A trial pit must be excavated to a depth of 1 metre below the proposed invert of the drain to establish whether or not the water table will interfere with the operation of the soakaway; and
2. A percolation test must be carried out to determine the area of the ground required.

Certificate

Applicant's name ...
(name of person applying for planning permission)

Address Bogengarrie, Ardallie, Peterhead,

Site address **Plot 5** Newseat of Schivas, Ythanbank

Date of test 12.03.2024 Time ...12.15 pm.....

Weather conditions Sunny Spells turning to Overcast,

Trial Pit Test (see attached location plan and drainage report identifying test pit and all wells within 100 metres of test pit)

TEST PIT 1

Depth of drain 0.75.m

Depth of excavation 1.92 m

Water table present No

Percolation Test

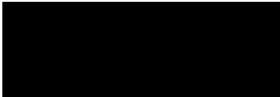
Time taken (means of 3 2355 s

Percolation value Vp ... 15.20 s

Number of persons For Surface water only

Floor area of soakaway m²

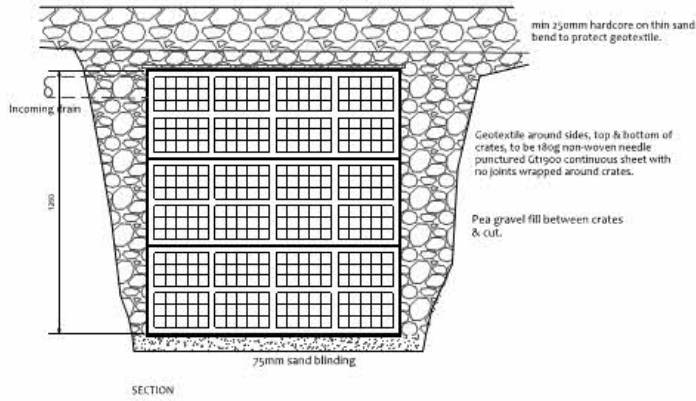
I hereby certify that I have carried out the above tests in accordance with procedures specified in British Standard BS6297:1983, as amended by AMD6510 1990, and in conjunction with the full requirements set out within the Domestic Scottish Building Standards Technical Handbook (Environment Standard 3.9 Infiltration Systems), the result of which are tabulated above, and that the proposed drainage scheme detailed on the attached plans and report has been designed taking into account the recommendations in the aforementioned standards.

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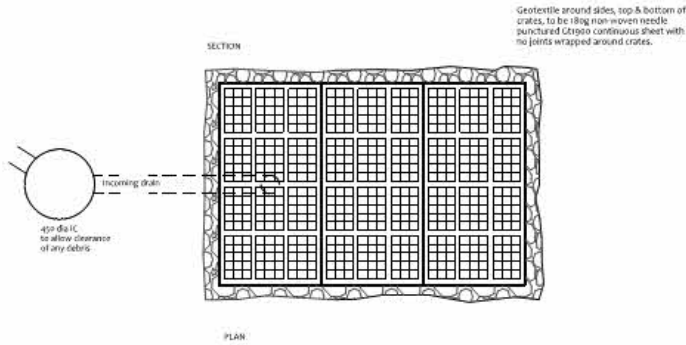


CRATES ARE GRAF "RAIN BLOCK"
CRATES EACH 1.2m X 0.6m X 0.42m DEEP

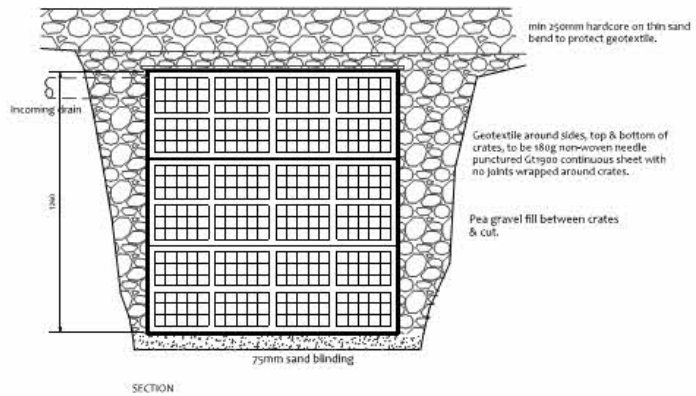
Based on soakaway specification contained in BRE Digest 365

Actual size of soakaway crate

SW soakaway 1.8x 1.2 x 1.26 deep (3x 0.42m)



Stephen G Brown Architect Ltd. 22 Millwood Road, Ellon, AB41 9FA 01358 720150 M 07483887685 stevebrown.architect@btopenworld.com
Drg. No. 2303(Soak) 5 01 Scale Refer to sizes Date 03/24
<p>Proposed 2No Dwellings, Newseat of Schivas PLOT 4</p> <p>Proposed Surface Water Soakaways</p>

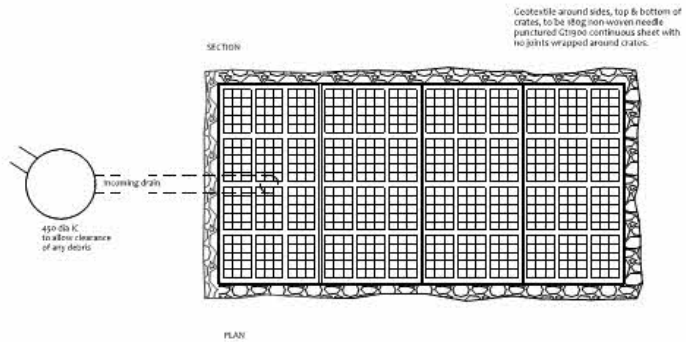


CRATES ARE GRAF "RAIN BLOCK"
CRATES EACH 1.2m X 0.6m X 0.42m DEEP

Based on soakaway specification contained in BRE Digest 365

Actual size of soakaway crate

SW soakaway 2.4 x 1.2 x 1.26 deep (3x 0.42m)



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<p>Proposed 2No Dwellings, Newseat of Schivas PLOT 5</p> <p>Proposed Surface Water Soakaways</p>