

Ballochyle Farm

ROOFH = 21.95
EXISTING DWELLING
FPL 14.28

CONNECT EXISTING PROPERTIES
TO NEW SEPTIC SYSTEM

DISCONNECTING MANHOLE

EXISTING SEPTIC TANK
REMOVED

PROPOSED SOAKAWAY 64M TOTAL
LENGTH X 0.6M WIDE TO GIVE
40sqM OF TREATMENT AREA

SAMPLING CHAMBER

PROPOSED
KLARGESTER BIODISC

Proposed dwelling

FIELD DEPRESSION FILLED AND
LEVELLED - AVERAGE FILL DEPTH
150MM

WATER SUPPLY PIPEWORK AT
MINIMUM 600MM BELOW GROUND
LEVEL TO PROTECT FROM FROST

POTABLE WATER ABSTRACTION POINT

NATURAL STONE HEADWALL TO BE
CONSTRUCTED AT BANK OF
WATERCOURSE

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NOTES

Foul Drainage

Percolation Test:

A percolation test was carried out to BS 6297:1983 to give a percolation figure less than 100 indicating that the proposed location is suitable for soakaway to be constructed. It is recommended to replace the existing septic tank and block the watercourse outfall pipe. The percolation area will consist of filtration trenches totalling 70m, 0.6m wide to give 40m² of treatment area.

Septic Treatment Plant:

Population served: 18
Flow per head (Litres/Day): 200
Total Flow per head (Litres/Day): 3600
BOD load per head (grams/day): 60
BOD load total (grams/day): 1080

BOD concentration: 300mg/L

Type of Plant: Klargestar BBBC Biodisc
Filtration Trench Soakaway
7.38m
Area of percolation: 40m²

Effluent Quality: BOD 20mg/L
SS 30mg/L

Additional Notes:

Invert Depth Required: 750mm
Power Supply: Single Phase
Pipework Diameter: 110/160mm PVCu

Storm Drainage

All building drainage tails to be 110mm uPVC pipes and fittings to BS 4460.
All building drainage to be carried out in accordance with BS EN-12056; 2000, BS EN-752 3; 1997, BS EN-752-4:1998 and BS EN 1610: 1998

Filter trenches: 0.5m wide x 0.5m deep filled with 40mm clean stone

Land Drains: All land drainage to be Hepworth LD16050 perforated drainage coils laid in accordance with manufacturers recommendations

NORTH

Project Title

New House At Ballochyle

Drawing Title

Drainage Plan

A1

Date
May 2010

Stage

planning review

Scale
1:200

Drg No

Rev

0704/DR/03

Drawn By

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