ENVIRONMENT AGENCY

Please complete the following:

CALDERDALE METROPOLITAN BOROUGH COUNCIL

Site Address 5 AYRE VIEW, OLD TOWN, HEBDEN BRIDGE HX7 8SX

Proposal NEW DWELLINGHOUSE

Officer Dealing with application and Contact Number:

Telephone:

Agency Planning Ref.....

Planning Application Number: 20/00312/FUL (5 AYRE VIEW)

Date of Excavation 03/04/2020

Date of Test 03/04/2020

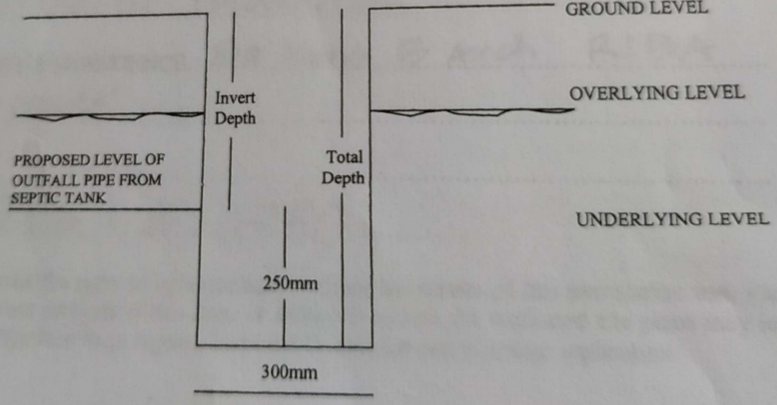
Overlying Soil (Depth & Type) topsoil, garden (former pasture)

Underlying Strata (Clay, sand, chalk etc.) clay/stone/shale

Invert Depth (mm) 300

Total Depth (mm) 550

DIAGRAM OF EXCAVATION



PLEASE ATTACH DETAILED SITE PLANS SHOWING POSITIONS OF TEST EXCAVATION(S) AND PROPOSED SOAKAWAY.

ENVIRONMENT AGENCY

PERCOLATION TEST RESULTS

TEST 1 DATE EXCAVATION NO.

DEPTH (D) MM OF WATER IN EXCAVATION	START TIME	FINISH TIME	TOTAL TIME (T) SECS FOR WATER TO SEEP AWAY COMPLETELY	PERCOLATION VALUE (Vp) Vp SECS/MM – (t/d)
(i) 250			210 mins	50.4
(ii)				
(iii)				
AVERAGE RESULT OF Vp - sec/mm				

TEST 2 DATE EXCAVATION NO.

DEPTH (D) MM OF WATER IN EXCAVATION	START TIME	FINISH TIME	TOTAL TIME (T) SECS FOR WATER TO SEEP AWAY COMPLETELY	PERCOLATION VALUE (Vp) Vp SECS/MM – (t/d)
(i) 250			184 mins	44.16
(ii)				
(iii)				
AVERAGE RESULT OF Vp - sec/mm				

TEST 3 DATE EXCAVATION NO.

DEPTH (D) MM OF WATER IN EXCAVATION	START TIME	FINISH TIME	TOTAL TIME (T) SECS FOR WATER TO SEEP AWAY COMPLETELY	PERCOLATION VALUE (Vp) Vp SECS/MM – (t/d)
(i) 250			203 mins	48.72
(ii)				
(iii)				
AVERAGE RESULT OF Vp - sec/mm				

TEST 4 DATE EXCAVATION NO.

DEPTH (D) MM OF WATER IN EXCAVATION	START TIME	FINISH TIME	TOTAL TIME (T) SECS FOR WATER TO SEEP AWAY COMPLETELY	PERCOLATION VALUE (Vp) Vp SECS/MM – (t/d)
(i)				
(ii)				
(iii)				
AVERAGE RESULT OF Vp - 47.76 sec/mm				

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CALCULATION OF SUBSURFACE DRAINAGE AREA

Vp	-	calculated from percolation test	=	secs/mm
P	-	No of persons served by tank	=	
Subsurface drainage A = P x Vp x 0.25			=	m2
Dimension of drainage trench(es) to achieve required area			=	

Notes:-

(i) The minimum acceptable soakaway area to be confirmed by the Local Authority.

(ii) BS 6297 : 1983 Design and Installation of small sewage treatment works and cess pools should be consulted for further information.

(iii) Drainage trenches should be from 300mm to 900mm wide.

(iv) For effluents which have received secondary treatment followed by settlement, the following equation may be applied:-

A = P x Vp x 0.2

IMPORTANT
Certification

The site has been tested in accordance with BS 6297 : 1983 for ground percolation, it has also been investigated be a suitably qualified person. I confirm that the site is suitable for a subsurface irrigation system and will not become a nuisance or danger to health and enclose the necessary calculations and details to support this statement.

SIGNED ..... DATE 06/04/2020

PRINT NAME JOHN THORNTON

QUALIFICATIONS/EXPERIENCE BA Hons B Arch RIBA ARCHITECT

TEL NO 07523 892089

The Agency reserves the right to independently validate the results of this percolation test. Failure to complete the relevant sections of this form or failure to submit the requested site plans may lead to a delay or even an objection in an Agency response to any relevant planning application.