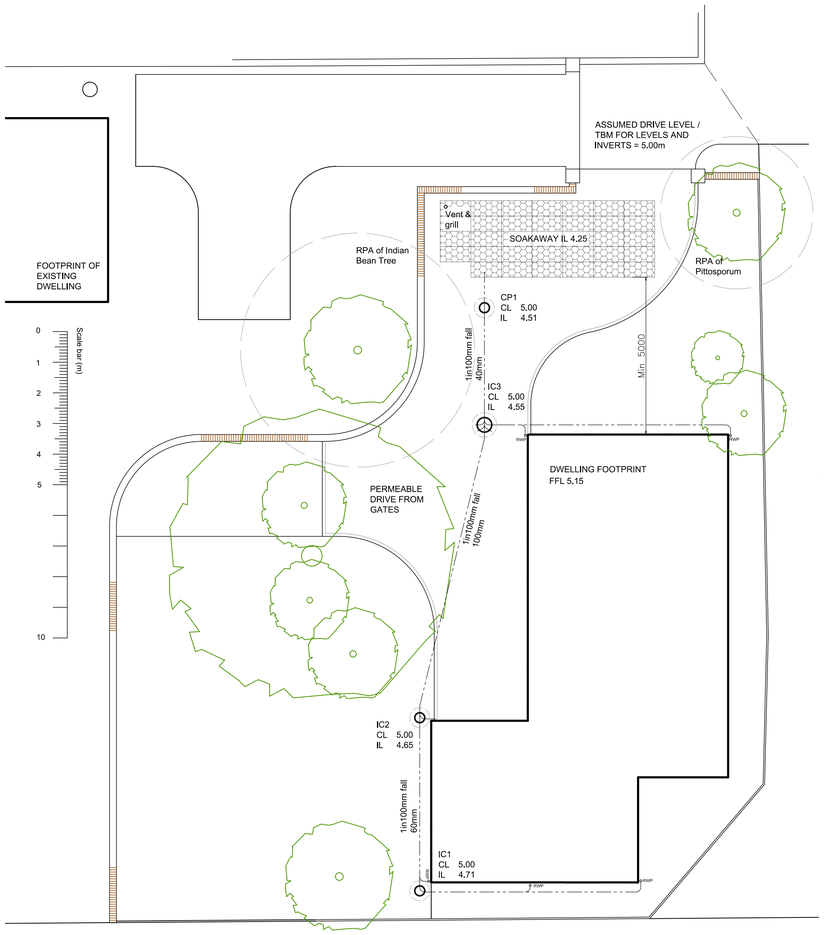


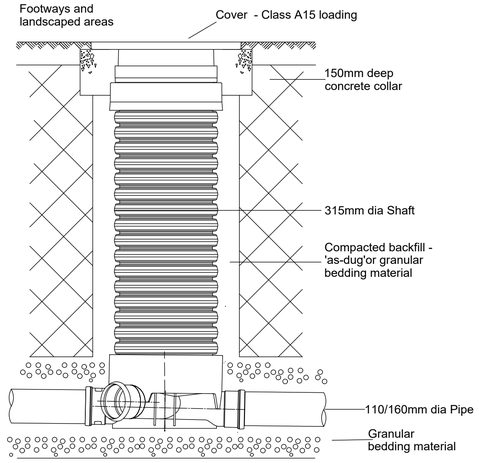
PROPOSED SURFACE PERMEABILITY PLAN
& SOAKAWAY PROPOSAL

LEGEND

SA Crate	Wavin AquaCell Core-R Shallow Soakaway and Attenuation crates for vehicular access loads - 1000x500x400mm 200 litre capacity / crate 33 crates = 6600 litre capacity NOTE: soakawy protected by 150mm reinforced concrete slab with 2 layers of B1131 mesh with 50mm cover. Slab to extend 150mm beyond edges of crates.
CP1	Wavin OsmaD 315mm dia plastic catch pit with 110mm pipe inlet / outlet and 300mm deep sump B125 Class cover and frame
IC1	Wavin OsmaD 315mm 3 way inspection chamber base, 300mm chamber shaft, A15 Class cover and frame
IC2	Wavin OsmaD 315mm 3 way inspection chamber base, 300mm chamber shaft, A15 Class cover and frame
IC3	Wavin OsmaD 45omm UIC 5 way inspection chamber base, 300mm chamber shaft, B125 Class cover and frame
SWD Pipework	Wavin OsmaD 110mm ext dia Plastic surface water drain with root seal technology OsmaD Pipe BN BSEN13476 110 SN8

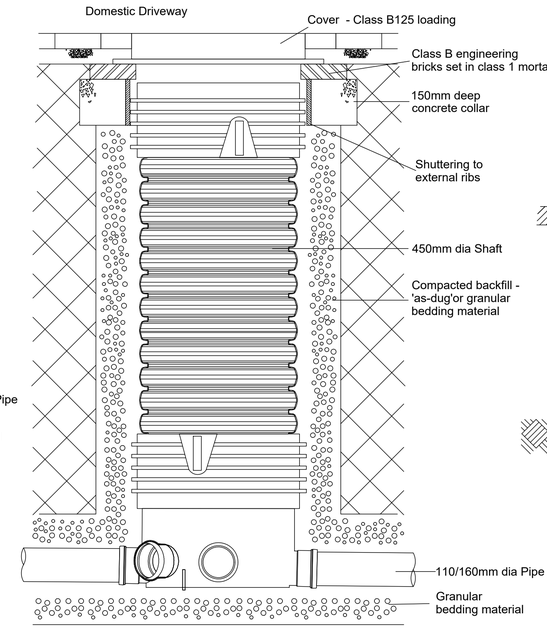
The previously determined percolation rate for adjacent sites is 7.93x10-6 m/s.
The plan area of the building is 102m2. The designed soakaway should be a minimum of 5.44m3 although 6.56m3 is proposed to allow for 1 in 100 year + 40% peak storm.

PERMEABLE DRIVE CONSTRUCTION
40mm interlocking gravel - type TBC
100 - 150mm compacted MOT Type 3 sub base
Permeable Geotextile membrane / weed barrier
40mm concrete edges bedded in Gen 1 concrete



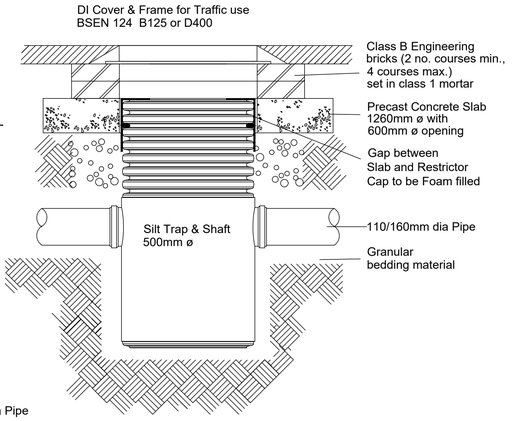
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A15 Loading

INSPECTION CHAMBERS 1 & 2 - 1:10

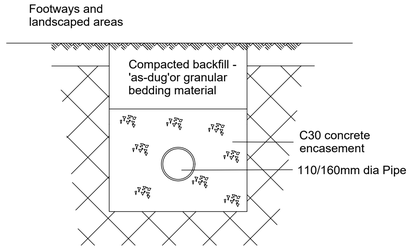


INSPECTION CHAMBER 3 - 1:10

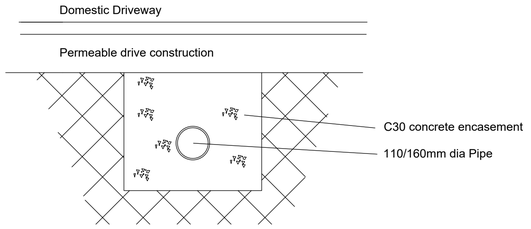
Range 450
B125 / D400 Loading



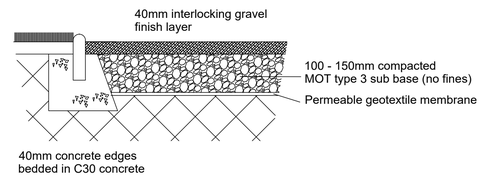
CATCH PIT CP1 - 1:10



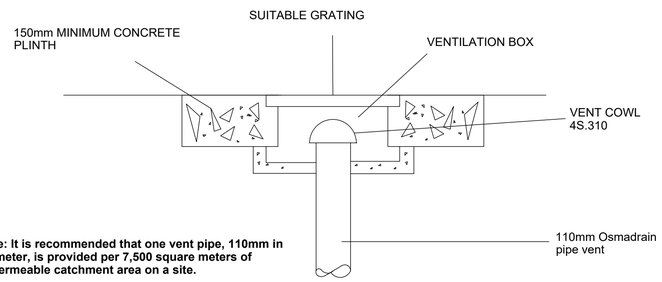
SHALLOW PIPE PROTECTION
UNDER LANDSCAPING - 1:10



SHALLOW PIPE PROTECTION
UNDER DRIVE - 1:10

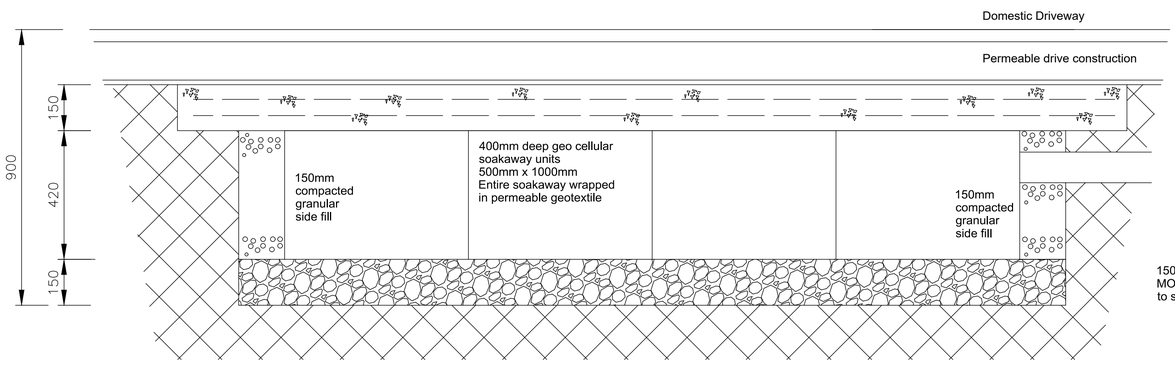


PERMEABLE GRAVEL DRIVE - 1:10



Note: It is recommended that one vent pipe, 110mm in diameter, is provided per 7,500 square meters of impermeable catchment area on a site.

SOAKAWAY VENT DETAIL - 1:10



SOAKAWAY SECTION (LOCATED UNDER DRIVE) - 1:10

NOTES
WRITTEN DIMENSIONS TO BE TAKEN IN PREFERENCE TO SCALE.
AND ARE TO BE CHECKED ON SITE PRIOR TO COMMENCING WORK.
THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER DOCUMENTS RELATING TO THIS PROJECT.
ANY DISCREPANCIES ARE TO BE REFERRED IMMEDIATELY TO THE PROJECT DESIGNER.
THIS DRAWING IS COPYRIGHT, AND SHOULD NOT BE USED OR REPRODUCED WITHOUT PERMISSION.
IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE COMPLIANCE WITH THE BUILDING REGULATIONS.

PROJECT TITLE:
THE COTTAGE
HIGHGROUND LANE
BARNHAM

DRAWING TITLE:
PROPOSED DWELLING ADJACENT TO EXISTING DWELLING
Proposed SWD Design layout

Drawn by: MJW
DWG No: HL.PL004
REV No: D - Apr 2022 - Further revised design and details added
Date: OCTOBER 2020
A1 - 1:50 & 1:10