

Proposed polishing filter. Filter to have a total length of 60m in accordance with Table 10.1 of the EPA Code of Practice for Wastewater Treatment and Disposal Systems serving single houses. This is worked out as follows

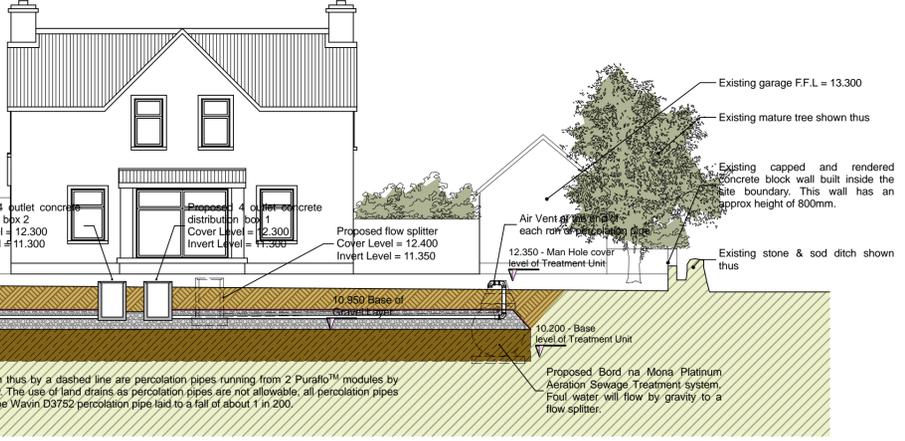
The Max occupancy of the proposed dwelling
 5 People
 EPA Loading per person
 150 l/person/d
 Total Loading
 0.750m³
 Hydraulic Loading polishing filter
 25 l/m²/d
 Area required for polishing filter
 0.750 / 0.025 = 30m²
 30m² / 0.500 = 60m

Say 2 sections of polishing filter area each with headed with a distribution box, each section will have 3 number 10.00m lengths of percolation pipes at 2.5m c/c, this will give a total length of 60m.

This will give the polishing filter an approximate area of 22.400m x 6.500m = 145.600m².

Existing capped and rendered concrete block wall which forms the site boundary. This wall has an approx height above the ground of 1.6m outside site and 700mm inside the site.

EXISTING DWELLING HOUSE
 F.F.L = 13.300



Proposed 4 outlet concrete distribution box 2
 Cover Level = 12.300
 Invert Level = 11.300

Proposed 4 outlet concrete distribution box 1
 Cover Level = 12.300
 Invert Level = 11.350

Proposed flow splitter
 Cover Level = 12.400
 Invert Level = 11.350

Air Vent at the end of each run of percolation pipe

12.350 - Man Hole cover level of Treatment Unit

10.200 - Base level of Treatment Unit

Proposed Bord na Mona Platinum Aeration Sewage Treatment system. Foul water will flow by gravity to a flow splitter.

Shown thus by a dashed line are percolation pipes running from 2 PurafloTM modules by gravity. The use of land drains as percolation pipes are not allowable, all percolation pipes must be Wavin D3752 percolation pipe laid to a fall of about 1 in 200.

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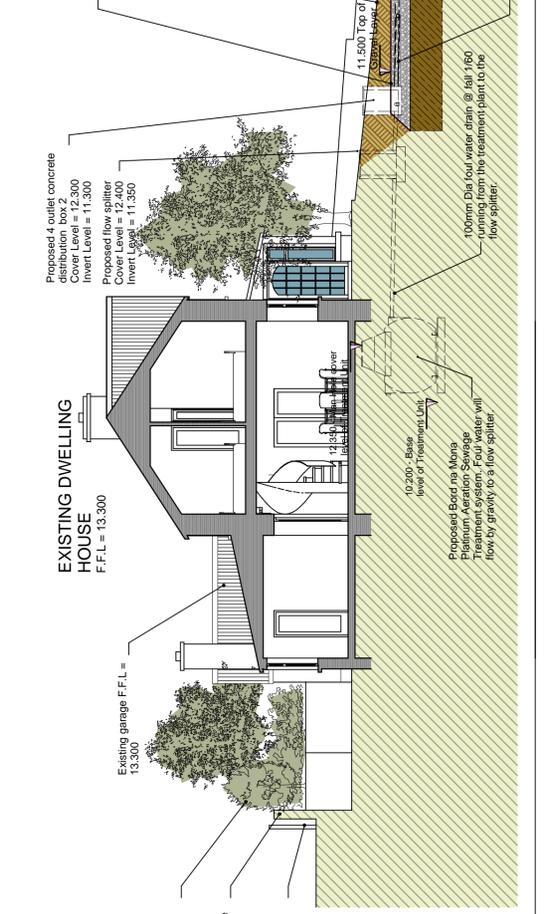
Existing mature hedging shown thus.

Existing capped and rendered concrete block wall built inside the site boundary. This wall has an approx height of 800mm.

Existing stone & sod ditch shown thus.

Percolation Test Trial hole 2.7m Deep

Shown thus by a dashed line are percolation pipes running from 2 PurafloTM modules by gravity. The use of land drains as percolation pipes are not allowable, all percolation pipes must be Wavin D3752 percolation pipe and to a fall of about 1 in 200.



Proposed 4 outlet concrete distribution box 2
 Cover Level = 12.300
 Invert Level = 11.300

Proposed flow splitter
 Cover Level = 12.400
 Invert Level = 11.350

Air Vent at the end of each run of percolation pipe

10.200 - Base level of Treatment Unit

Proposed Bord na Mona Platinum Aeration Sewage Treatment system. Foul water will flow by gravity to a flow splitter.

Shown thus by a dashed line are percolation pipes running from the distribution box to the polishing filter. The use of land drains as percolation pipes are not allowable, all percolation pipes must be Wavin D3752 percolation pipe laid to a fall of about 1 in 200.

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Existing mature tree shown thus

Existing capped and rendered concrete block wall built inside the site boundary. This wall has an approx height of 1.6m & 2.2m

Existing post & wire fence shown thus.

DATUM 8.00
PROPOSED SITE CROSS SECTION B-B
SCALE 1/100



PROPOSED SITE LAYOUT PLAN
SCALE 1/100

DATUM 8.00
PROPOSED SITE CROSS SECTION A-A
SCALE 1/100

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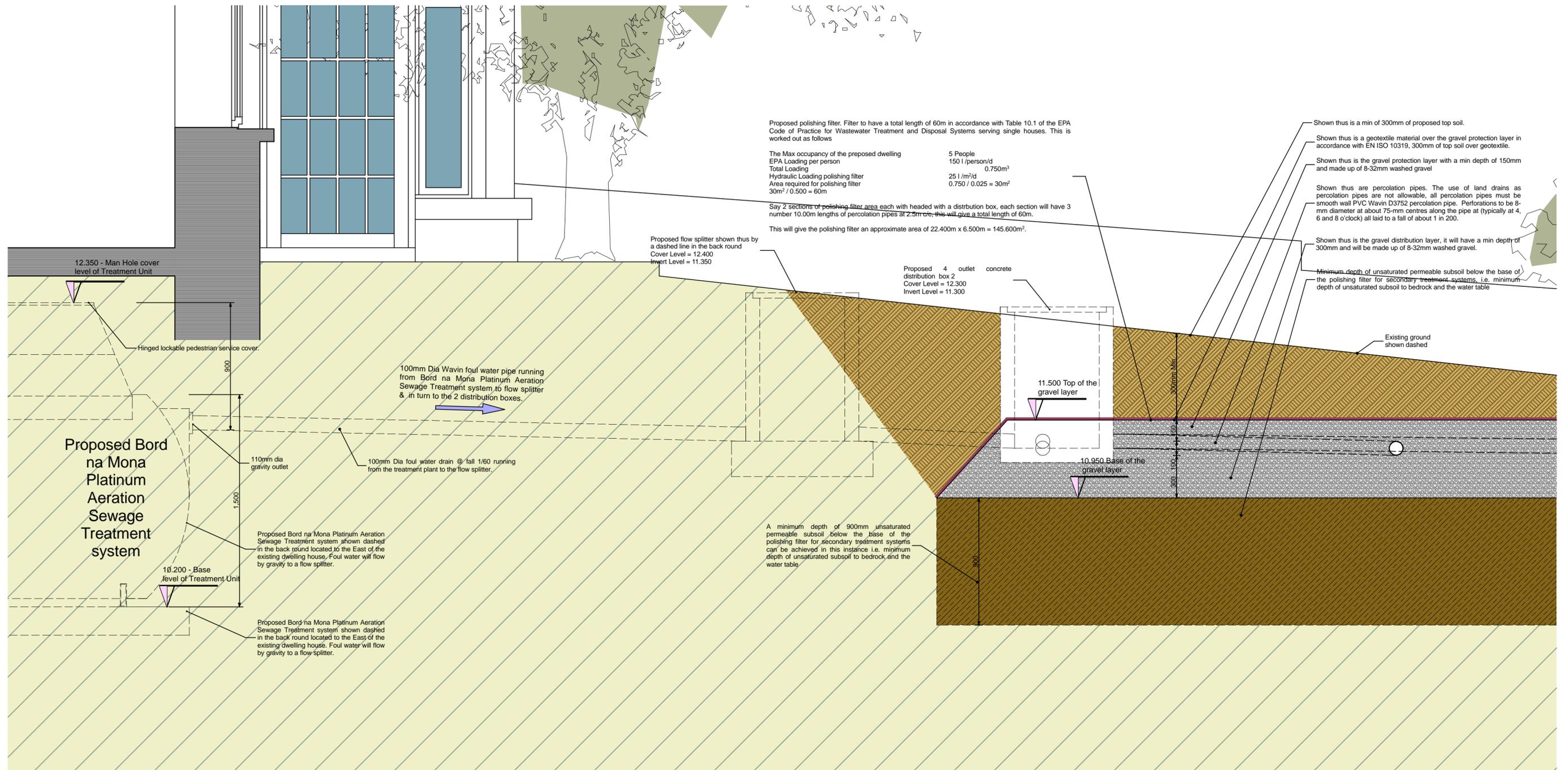
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PROPOSED SITE CROSS SECTION A-A
SCALE 1/20

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