

## **PROPOSED SITE LAYOUT PLAN SCALE 1/200**

SITE OUTLINED IN RED SITE AREA - 2,259 Sq. M. / 0.22 Hec

> THIS DRAWING IS PREPARED SOLEY FOR THE PURPOSES OF MAKING A PLANNING APPLICATION AND DOES NOT PERTAIN TO SHOW CONSTRUCTION INFORMATION FOR THE PURPOSE OF TENDERING OR BUILDING NOR DOES IT PERTAIN TO SHOW ALL INFORMATION REQUIRED FOR COMPLIANCE WITH BUILDING REGULATIONS

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## CTION SE SITE 00 SED 1/2( PROPO: SCALE

Proposed polishing filter. Filter to have a total length of 57.6.4m in accordance with Table 10.1 of the EPA Code of Practice for Wastewater Treatment and Disposal Systems serving single houses. Proposed landscaping to strengthen boundary treatment (see landscaping legend for plant and tree species) Dashed line shown thus shows Trail Hole which was dug to a depth of 2.2m.



EXISTING PROPOSED

> This will bring the polishing filter to an approximate area of 183.00m<sup>2</sup>

DATUM 93.00 **PROPOSED SITE SECTION B-B SCALE 1/200** 

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## **DATUM 93.00 PROPOSED SITE SECTION A-A SCALE 1/100**





## DATUM 93.00

## **PROPOSED SITE SECTION B-B** SCALE 1/100



180 l /person/d

specified in the new Code of Practice.

1.440m<sup>3</sup>

### EXISTING PROPOSED

Proposed polishing filter. Filter to have a total length of 57.6m 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

Dashed line shown thus - shows Trail Hole which was dug to a depth of 2.2m.

50mm Dia foul water drain pumped from a Bord na Mona Platinum Sewage Treatment system to 3 number Puratio™ modules.

### Proposed Bord na Mona Platinum Sewage Treatment system with a intergrated pumpset Effluent to be pumped from treatment system to 3 number Puratio™ modules.

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The Max occupancy of the preposed dwelling 8 People

EPA Loading per person

Total Loading

00mm Dia foul water drain @ fall 1/60 running from the last foul man hole totreatment plant.

reatment Uni

table and bedrock is to be used. The fill should be placed in layers not exceeding 300 mm thick and lightly compacted. Great care should be taken not to over compact the soil as this will lead to ponding. After each lift is placed, percolation tests should be carried out. A 150 mm square hole is excavated to a depth of 150 mm in the placed soil. After pre-soaking to completely wet up the soil, 0.5 litres of water is poured into the hole and the time in minutes for the water to soak away is recorded. This time should be between 10 minutes and 2 hours. After these works have been completed, a second test hole must be excavated in an appropriate location in the improved soil and a percolation

100.200/Existing

iround Level.

concrete

The mounds may be constructed partially or totally over ground. A minimum of 900mm of free draining unsaturated soil between the point of infiltration of effluent and the water

Testing regime for imported soils The imported soil is to be placed in mounds - as illustrated in Figure 3 of Wastewater Treatment Manuals Treatment Systems for Single Houses - or level with the ground surface.

It is posposed to use 230.0m3 of this good quility top soil as imported soil in the construction of the soil polishing filter.





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# **SCALE 1/20**

proposed ground shown thus
refer distribution has 11:00 11:00 10:000
Dashed line shown level of mottling recorded in the trial hole 600mm down from the ground level
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