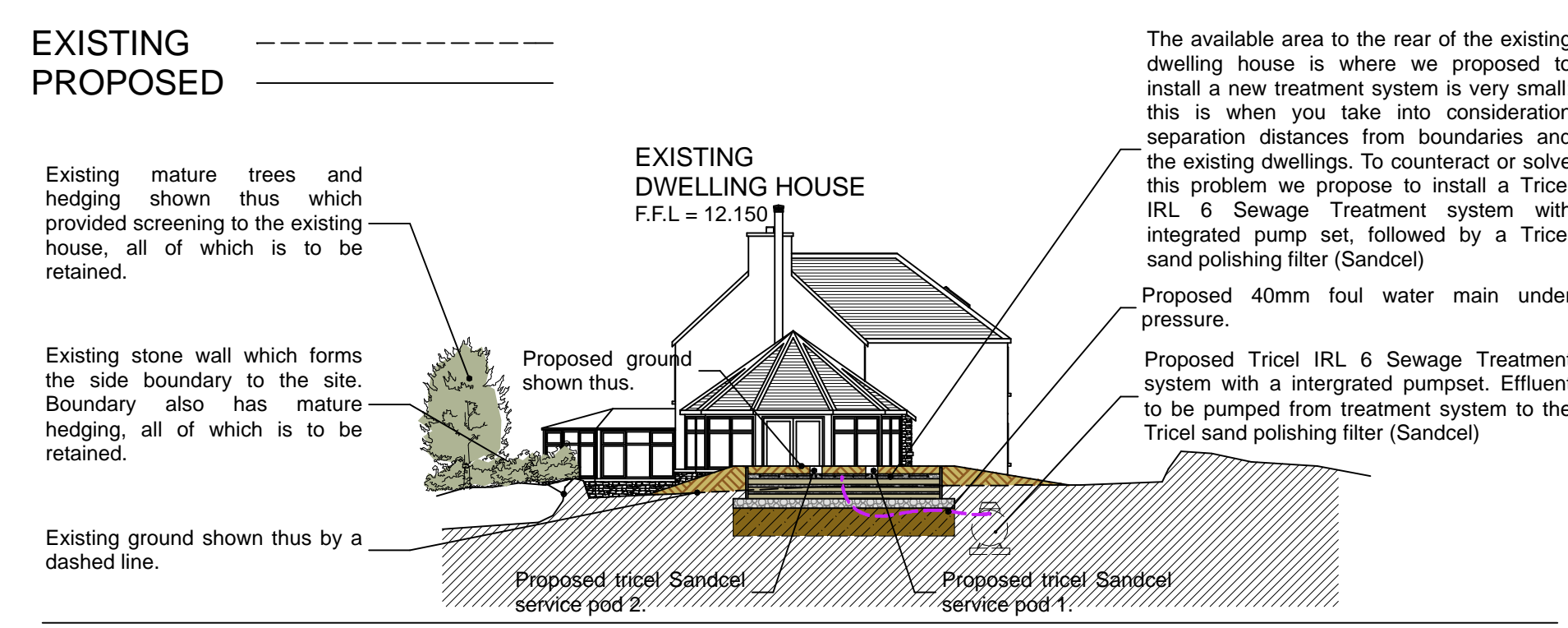


PROPOSED SITE LAYOUT PLAN
SCALE 1/200
 SITE AREA OUT LINED IN RED = 1,991 Sq M. / 0.492 ACRES / 0.19 HEC



DATUM 8.00

PROPOSED SITE CROSS SECTION B-B

SCALE 1/200

<p>Declan Noonan & Associates</p> <p>Architecture, Engineering & Project Management Consultants</p>							
<p>Upper Main Street, Dingle, Co. Kerry</p> <p>tel: 087 2837745 fax: 066 9150847 email: declannoonan@eircom.net</p>	<table border="1"> <tr> <td>Client:</td> <td>Scale: 1:200 & 1:250</td> </tr> <tr> <td>Title:</td> <td>Date: _____ Drawn: DN</td> </tr> <tr> <td>Planning Application Drawing</td> <td>Org. No: _____</td> </tr> </table> <p>Please note the COPYRIGHT of the information contained within this drawing remains with Declan Noonan & Associates</p>	Client:	Scale: 1:200 & 1:250	Title:	Date: _____ Drawn: DN	Planning Application Drawing	Org. No: _____
Client:	Scale: 1:200 & 1:250						
Title:	Date: _____ Drawn: DN						
Planning Application Drawing	Org. No: _____						

The available area to the rear of the existing dwelling house is where we proposed to install a new treatment system is very small; this is when you take into consideration separation distances from boundaries and the existing dwellings. To counteract or solve this problem we propose to install a Tricel IRL 6 Sewage Treatment system with integrated pump set, followed by a Tricel sand polishing filter (Sandcel)

Effluent will flow by gravity to the sewage treatment unit from the last MH, be pumped under pressure to the Tricel sand polishing filter. This Tricel sand polishing filter is a prefabricated unit with an area of 18.8 Sq.m (6.175m x 3.050m x 1.000m deep) it will be located on a 300mm deep distribution layer comprising of a 300mm layer of 10mm to 20mm pea gravel. The size of this distribution layer is calculated as follows; $0.125 \text{ (constant)} \times 6 \text{ (PE)} \times 38 \text{ (T-value)} = 28.5 \text{ Sq.m}$.

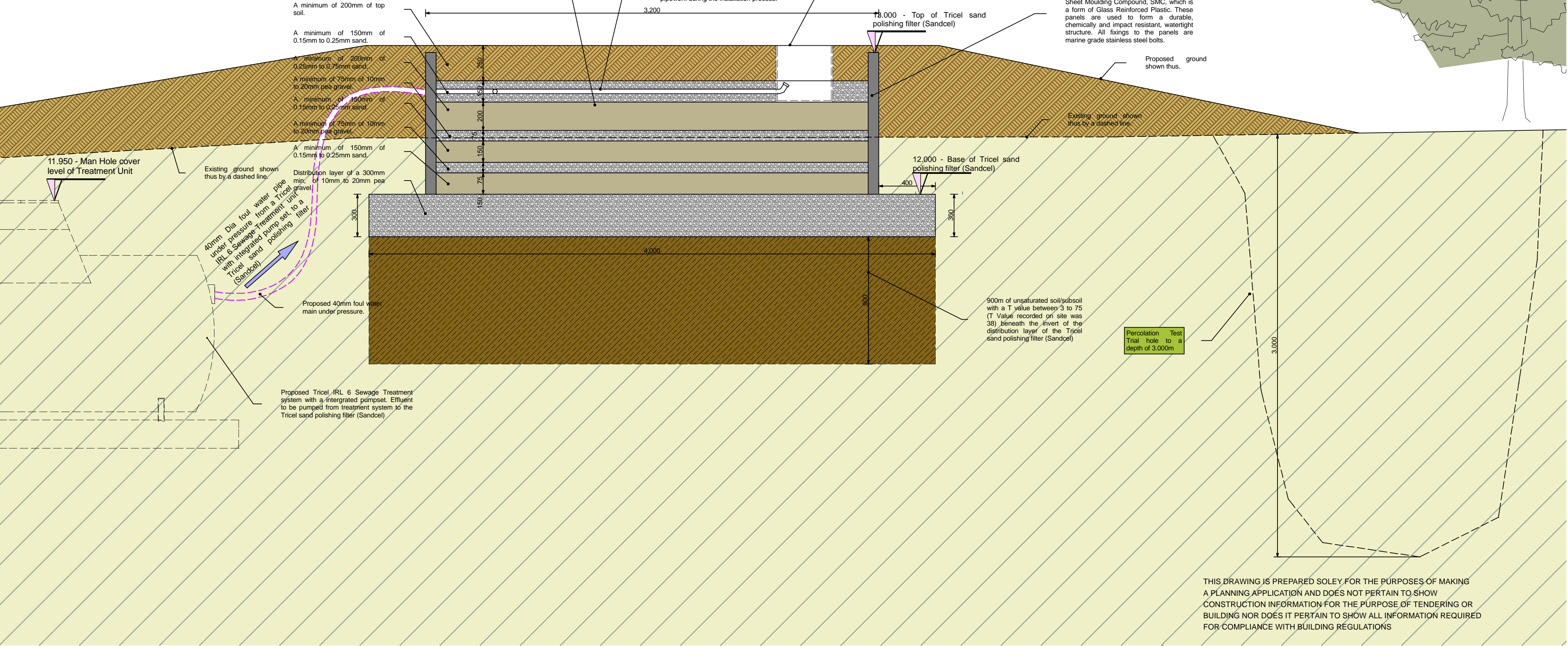
As I have already mentioned the applications intend to replace the existing treatment unit on site, which only can be a good thing and any improvement to the existing system would be positive and I feel the above treatment scenario is the best option the applications have based on the test results and site constraints.

Due to the very tight separation distances from target risks and the complex treatment system very strict supervision must take place during construction of this system.

The distribution pipework in the Sandcel unit, which is housed within the uppermost pea-gravel layer, comprises a 32mm dia. uPVC pipe, which disperses the effluent evenly of the entire surface area of the filter media. The pipework consists of a series of 2.5m laterals spaced at 0.6m centers. Each lateral contains 4 no orifices 4.8mm in diameter spaced at 0.6m along each length. The laterals are fed from a pump at the wastewater treatment unit through the main pipe manifold. A full pressure test is carried out throughout the distribution pipework during the installation process.

Proposed tricel Sandcel service pod 2. Cover Level = 13.050

The Sandcel unit is made up of panels comprises of a hybrid material known as Sheet Moulding Compound, SMC, which is a form of Glass Reinforced Plastic. These panels are used to form a durable, chemically and impact resistant, watertight structure. All fixings to the panels are marine grade stainless steel bolts.



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

PROPOSED SITE CROSS SECTION A-A
SCALE 1/20

	Declan Noonan & Associates		
	Architecture, Engineering & Project Management Consultants		
	Client:	Scale: 1:20	Rev:
	Title:	Date:	Drawn: DN
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