

NYMNPA

15/03/2019

From: Angela Stevenson
Sent: 15 March 2019 11:34
To: Jill Bastow
Subject: Proposed Sewage Treatment Plant - Sunny Bank Barn, Hackness.

Good Morning Jill,

Please see attached the Site Plan and Proposed Works document relating to the installation of the Matrix Sewage Treatment Plant at Sunny Bank Barn.

As previously discussed a full survey was carried out on site on 2nd March 2019 which located the free flowing water course into which it is proposed that the water from the sewage treatment plant be discharged. It is proposed that the water from the sewage plant be pumped into the existing culvert at Sunny Bank Cottage which will then carry the water in the water course down to the river via the field on the opposite side of Broxa Lane.

I have contacted Jonathan Wilson at Carter Jonas (the site manager for the Earl of Derwent) who is in the process of drafting a letter of consent for us to discharge our water into the existing culvert across the field into the river

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Hope this assists.

Kind Regards,

Andy Stevenson.



Jettec Environmental Services

Web: www.jettecenvironmental.co.uk

13th March 2019

Report on private drainage system

Site address : Sunny Bank (Barn) Hackness, Scarborough, YO13 0JW

Date of survey: 2nd March 2019

NYMNP

15/03/2019

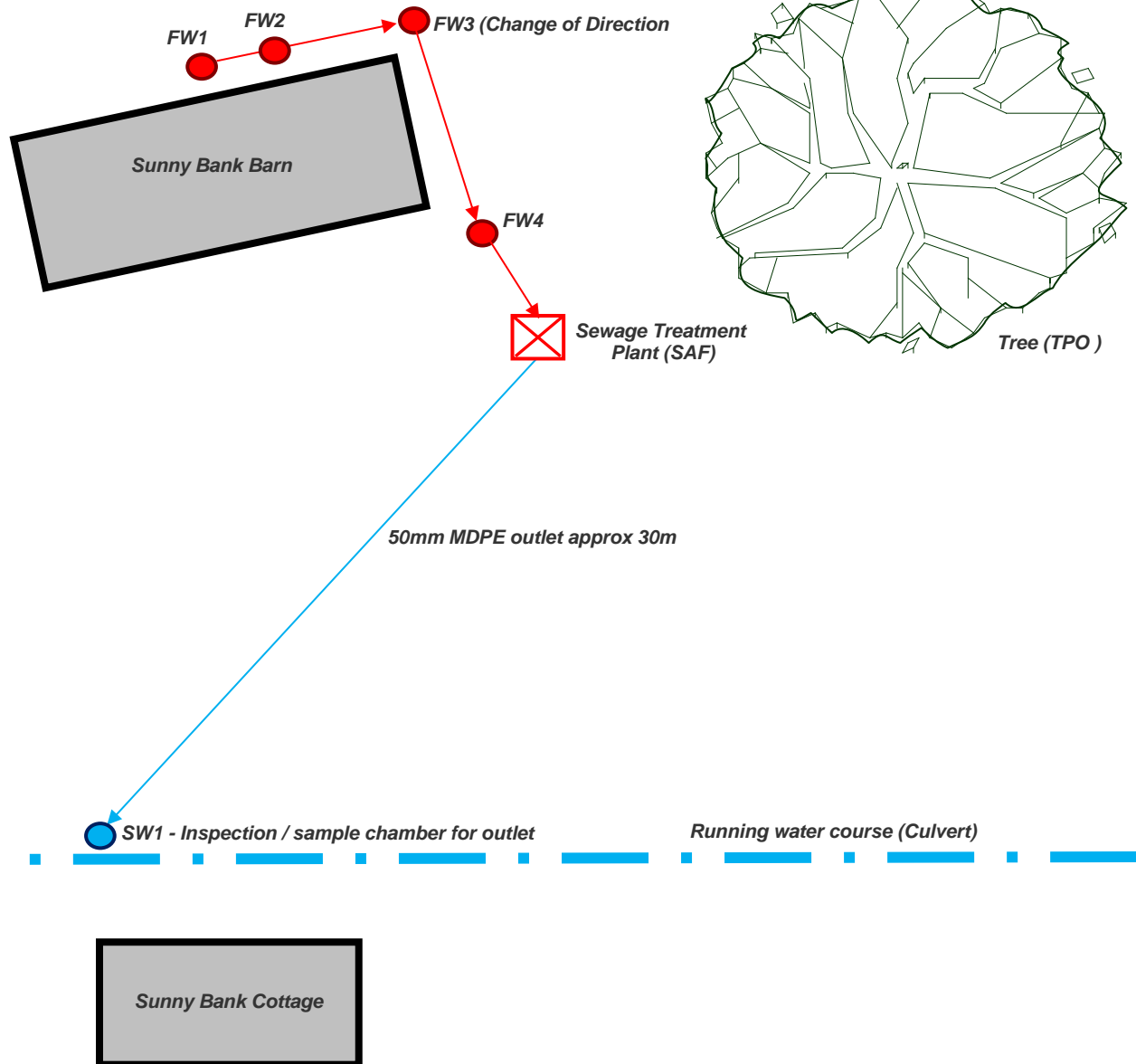
We attended with a 2 man team to assess the suitability of the site for the installation of a sewage treatment plant.

A CCTV survey was undertaken along with a flow and dye (fluorescein non toxic) to confirm that there is a suitable free flowing water course, that flows down from sunny bank cottage, as a suitable discharge point for the sewage plant. The water course starts as a 300mm diameter culvert, running downstream under the roadway at Broxa lane in to the adjacent field, finally discharging in to the river at the bottom boundary of the field.

- To install new drainage as per enclosed site plan; FW1 to FW2 to FW3 with a turn of direction downstream to FW4. From FW4 take drain to a newly installed sewage treatment system. All drainage will be of 110mm diameter PVC construction. The manhole chambers (FW's) will be also of PVC construction. All drainage will be correctly surrounded by 10mm aggregate.
- To install a new 6 population sewage treatment plant with integral outlet pump. The tank is a 3 zone system and is an SAF design plant (Submerged Aerated Filters).
- The outlet of the sewage treatment plant will be connected to 50mm MDPE pipe work and connected to a 300mm diameter running water course located on the garden of Sunny Bank. Approximate length of the run will be 30m.
- To install an inspection point / sample chamber at the culvert to allow for sampling and maintenance as required.
- The new system and drainage will all be installed in accordance with Building Regulations Part H and be signed of by local authority building control. The new sewage treatment plant has been tested and meets EN12566-3 standards.
- All excavations will be away from the area of concern with regards to the tree's with Tree Protection Orders in place.



SITE AND DRAINAGE LAYOUT



General Comments: Install new 110mm drainage as required. New 6 PE STP. 50mm Outlet to running water course within the garden area of Sunny Bank Cottage.

(This plan is not to be scaled and is provided to illustrate general layout only)

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