

Interactive comment on “Technical note: The beneficial role of stratigraphy on slope stabilization by drainage trenches” by Gianfranco Urciuoli et al.

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Dear Referee #1, many thanks for your comments. We really appreciated your positive assessment. The goal of the paper is exactly highlighting that the presence of even a small pervious layer could have a very beneficial effect on the performance of a drainage system, thus it should be taken into account for its design. The replies to the specific suggestions, are reported in the follow.

C1 - In Table 1, first row, last column there are two subcases, but the second seems to be included in the first one in that both refer to $b/H_0 = 0.16$ and $H/H_0 = 1$, please check. R1 – You are right. We will fix this mistake in Table 1.

C1

C2 - Page 6, line 111: please cancel “where”. R2 – The word “where” in line 111 was reported in continuity with the word “where” reported at the beginning of lines 102 and 107. Anyway, it will be replaced by “showing”.

C3 - Page 6, line 118: the sentence “ Any further increment of the water level would generate an artesian condition” could be eliminated in that introduces an additional comment not needed to understand the concept of reduced seepage domain. R3 – We will eliminate that sentence, because effectively redundant.

Interactive comment on Hydrol. Earth Syst. Sci. Discuss., <https://doi.org/10.5194/hess-2019-637>, 2019.

C2