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KEITH ROLLESTON ASSOCIATES

Sam de Frates,
The Beachwalk Retreat,
North Street
Marazion,
Cornwall,
TR17 0ED

Ref 4300

22/8/23

Dear Sam,

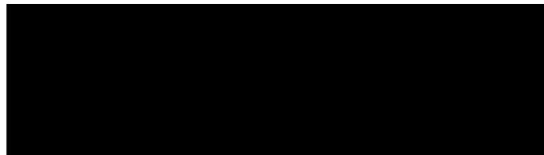
The Beachwalk Retreat - structural assessment of leaning wall.

Re your suggestion to remove an upper portion of the wall, this is certainly a possibility if allowed by Planning.

The highest the wall could be at its current angle of lean to maintain an adequate factor of safety, including wind loading, is 1.1 metres. This is also the standard height for pedestrian balustrading.

There would not be scope for adding any kind of solid barrier above this such as a close boarded fence because of the additional wind loading, but a wind-permeable structure could be used. The wall should also be re-pointed and sealed at its base to prevent water ingress to the wall itself and its foundations since weakening of the ground under the base of the wall from water penetration appears to be the original cause of the movement.

Yours sincerely,



Eur.Ing. K.J.Rolleston
B.Tech.(Hons).,C.Eng.,M.I.C.E.

