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Our Ref: 11225/ADM/MR/002 - Tech **Sent Via Email**

19th August 2021

Martin Rapley
Yelcon Construction
3 The Gateway North,
Marsh Lane,
Leeds,
LS9 8 AX

Dear Martin,

RE: WOOD WALK, HOYLAND, BARNSLEY

With regards to the foundation solution for the scheme, the fill on site is of significant depth with large boulders and obstructions and road and sewers will struggle getting through the obstruction. The only other solution would be to pile, however, you would not be able to drive the pile to natural as you would refuse on the obstructions. Also piling to the depth needed would be cost prohibitive. Highways will also require road re-engineer and clearance to 3m or 0.5m below invert whichever is the deeper.

Although monitoring has shown long term settlement has ceased in deeper soils, the NHBC would not allow or warrant construction of rafts on the soils. The most cost effective and efficient way to develop the site would be to excavate, sort and reengineer the top 3m or the development platform to facilitate a raft foundation. Along road lines roads would be excavated sorted and reengineered to 3m depth or 0.5m past the invert of drainage if it goes beyond 3m depth. This solution is acceptable to NHBC, building control and highways and solution we have undertaken successfully on numerous developments.

Yours sincerely

Adam D. Matthews
Managing Director
For and on behalf of
ADM Regeneration Ltd