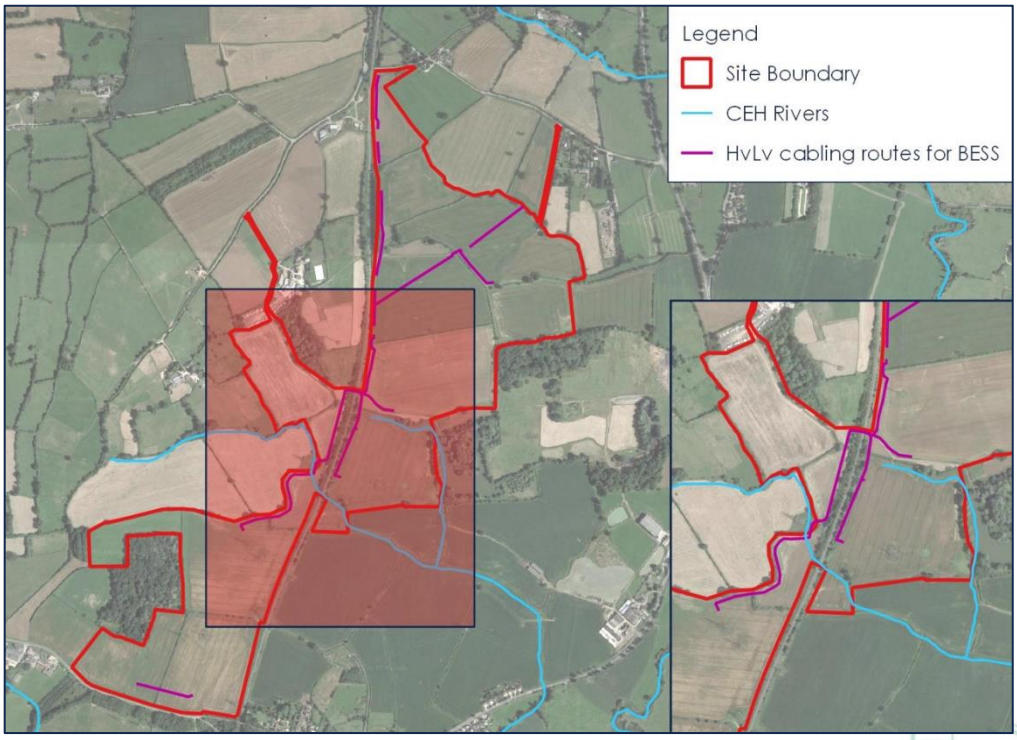
Title	Flood Risk Assessment Addendum
Job Name	Wick Solar Farm, Melksham
Job Number	22-285
Date	12th December 2023

1 BACKGROUND

1.1.1 This note assesses whether there are likely to be any flood risk implications arising from the cable route proposed to service the Wick Solar Farm.

1.1.2 The proposed cable route in relation to the local watercourse network is shown in Figure 1-1.

Figure 1-1 Cable Route and Watercourses



1.1.3 As shown by Figure 1-1, the proposed cable route has some watercourse crossings.

2 FLOOD RISK ANALYSIS

2.1.1 The cable route will be trench excavated to a maximum depth of 0.5m. The cable will be laid on a thin layer of sand at the base of the trench. The trench will be backfilled with the excavated soil.

2.1.2 Due to the re-use of excavated soil, there will be a negligible change to the permeability of the material in the trench, when compared to existing. In turn, this would negate any alteration to sub-surface flows.

2.1.3 In addition, no noticeable alteration to ground levels will result from the reinstated trench. This would result in negligible impacts on overland flows.

2.1.4 To manage the proposed watercourse crossings, the cable route should be specifically referred to in the site Construction Environmental Management Plan (CEMP), in particular the treatment of the crossings. At this stage it is envisaged that directional drilling beneath the watercourses is preferred but this will be confirmed by the CEMP and potentially subject to relevant consent from the Lead Local Flood Authority.

2.1.5 In summary, the proposed cable route is unlikely to have a noticeable impact on the local hydrology at the site.