

Responses due by Deadline 7: 03 September 2021

Ref	Question to	Question	ESIDB Response
CG.2.3	East Suffolk IDB	Impacts on coastal processes In the SoCG [REP2-067] with the Applicant, East Suffolk IDB highlights the importance of the Minsmere Sluice in relation to surface water drainage from the catchment and therefore from the proposed development area. The Applicant has provided further details on this topic in response to ExQ1 CG.1.18 [REP2-100]. Please indicate whether the IDB has any outstanding concerns in relation to the potential for the proposed development to cause or affect the discharge from Minsmere Sluice?	The Board defers to the Environment Agencies assessment on whether the Sluice will be negatively impacted by the development, either through changes in water-level in the catchment or through changes in sediment flow along the coast.
FR.2.5	Suffolk County Council, Environment Agency, ESIDB	Main Development Site (MDS) – Water Management Zone (WMZ) Summary Appendix D [REP5-120] provides details of the WMZ infiltration basins for the site. Provide any relevant comments including any areas where the information provided needs further clarification.	<p>The Board would like to see the calculations and assumptions used to decide attenuation capacity, as well as some indication of swale dimensions and the data/results behind all infiltration rate estimations to assess viability.</p> <p>In connection with the above, it is currently unclear whether discharge to watercourses will occur only during certain events (e.g. 1/100 event) or as a constant, attenuated discharge, and how this has been input into the attenuation capacity modelling.</p> <p>Depending on discharge locations proposed it may also be important to receive proposed invert levels of discharge points as surcharging could lead to higher attenuation requirements</p> <p>The Board is aware that the applicant may be considering changes to the drainage design for WMZ5 and thus will withhold comment on that aspect for now.</p>

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FR.2.10	Suffolk County Council, Environment Agency, ESIDB, East Suffolk Council	Ancillary Construction Area (ACA) (or LEEIE) Drainage Strategy Technical Note. Appendix B [REP5-120] sets out the drainage design for the ACA. Provide any comments you have in relation to the strategy set out in this document.	While the Board appreciates the written confirmation that no upstream storage or infiltration was included in the calculations to determine required attenuation capacity the Board would like to see those calculations and the assumptions used in order to ascertain suitability/viability.
FR.2.12	Environment Agency, East Suffolk Internal Drainage Board	Sizewell Drain Water Management Control Structure Appendix C [REP5-120] does the submitted document provide the degree of certainty that the outline design options for the proposed control structure on the realigned Sizewell Drain, demonstrates the ability to enable fine tuning of water levels in the Sizewell Marshes SSSI, subject to the required Land Drainage Consent?	The Board supports the requirement of piped earth dam Tilting Weir at the confluence between the Sizewell and Leiston drains. The specification of the gate should include the provision of retrofitting remote automation and purpose-built eel climbing facility. Within the wider catchment the use of the over flow weir example provides safe access and operation with fully integrated safety railing etc. Headwalls can be standalone and/or incorporated onto existing vehicle access crossing points where appropriate. Due to safety concerns the Board would not however support the overflow sluice, dropboard sluice or Penstocks for a water control structure.