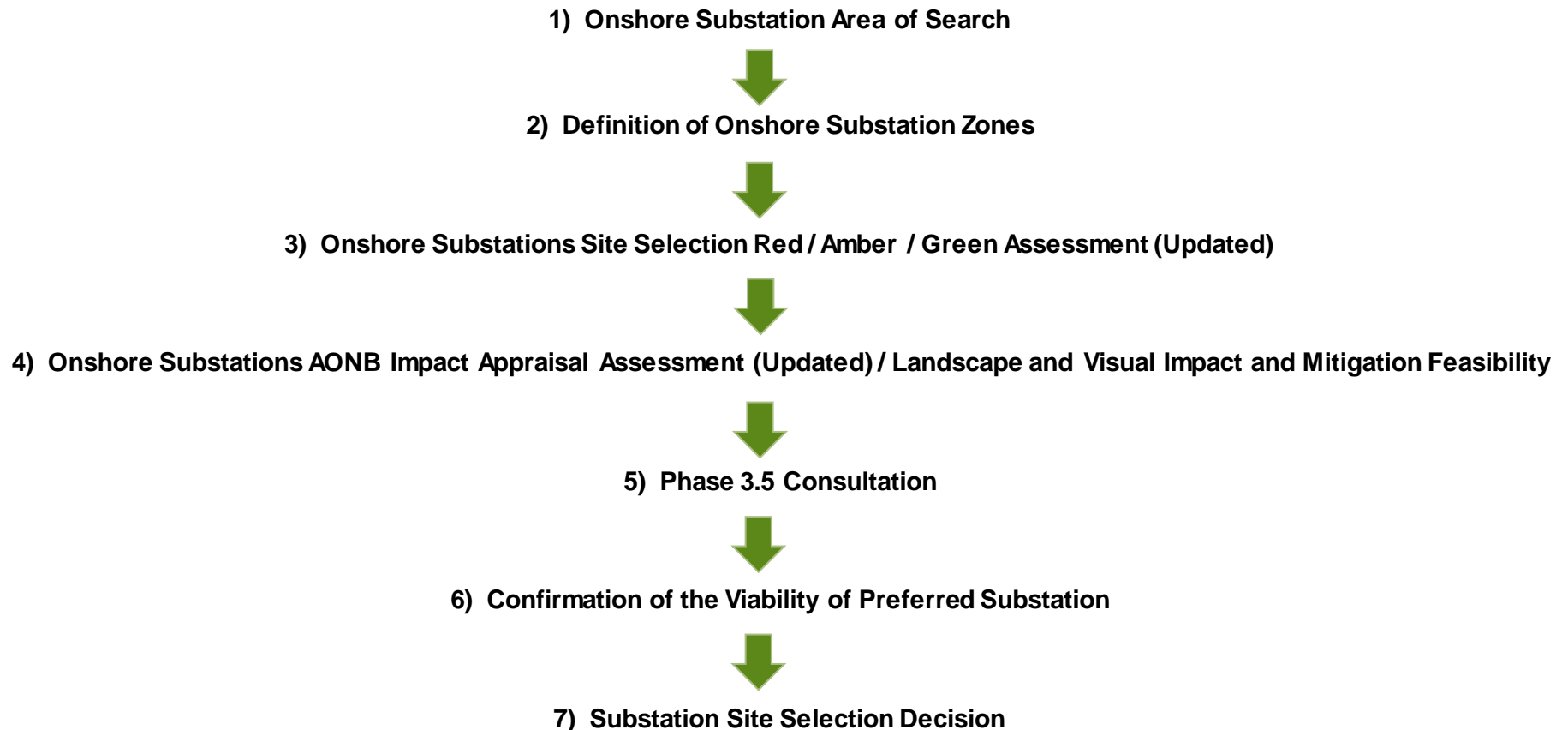


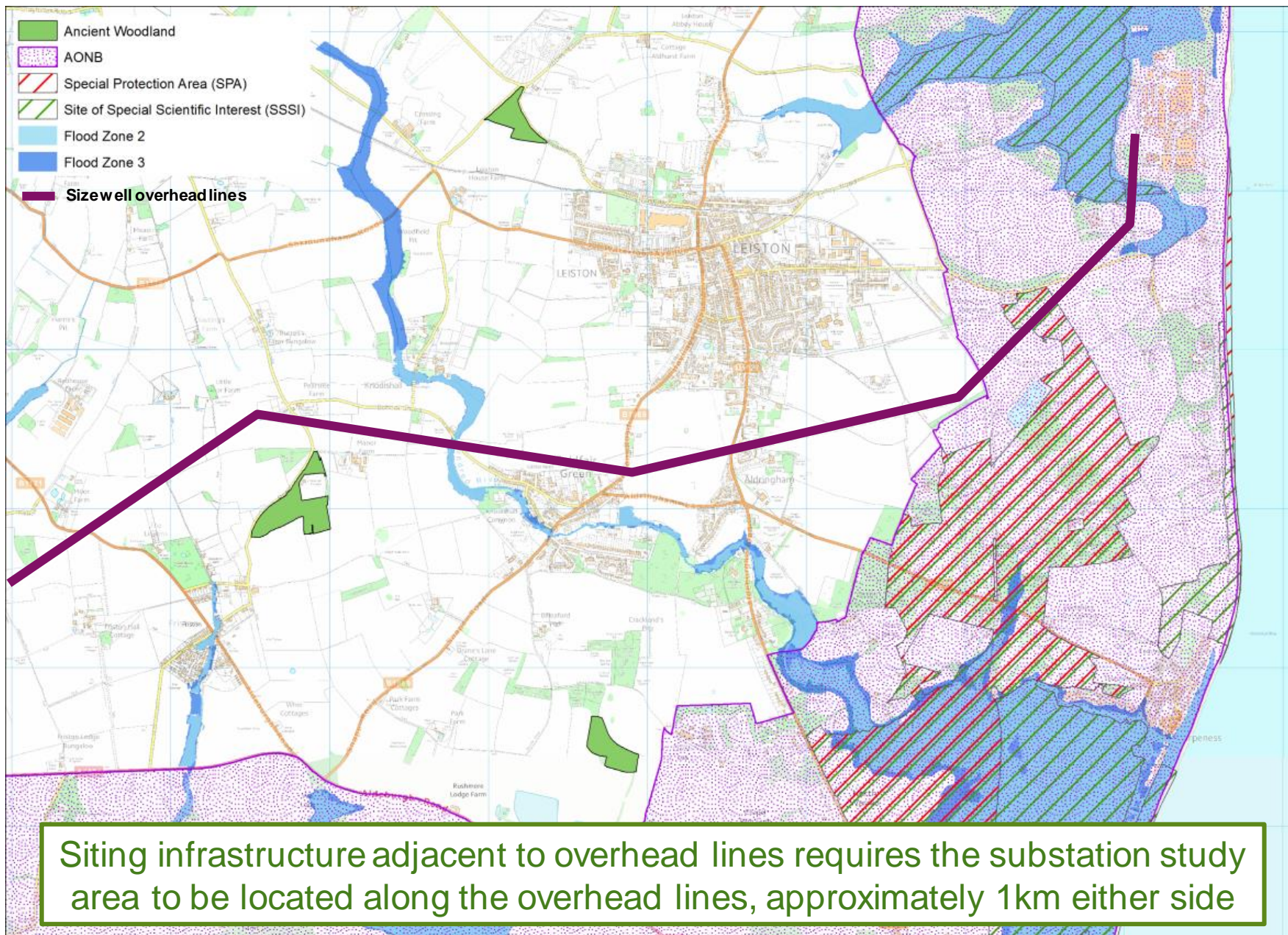
Onshore Substation Site Selection

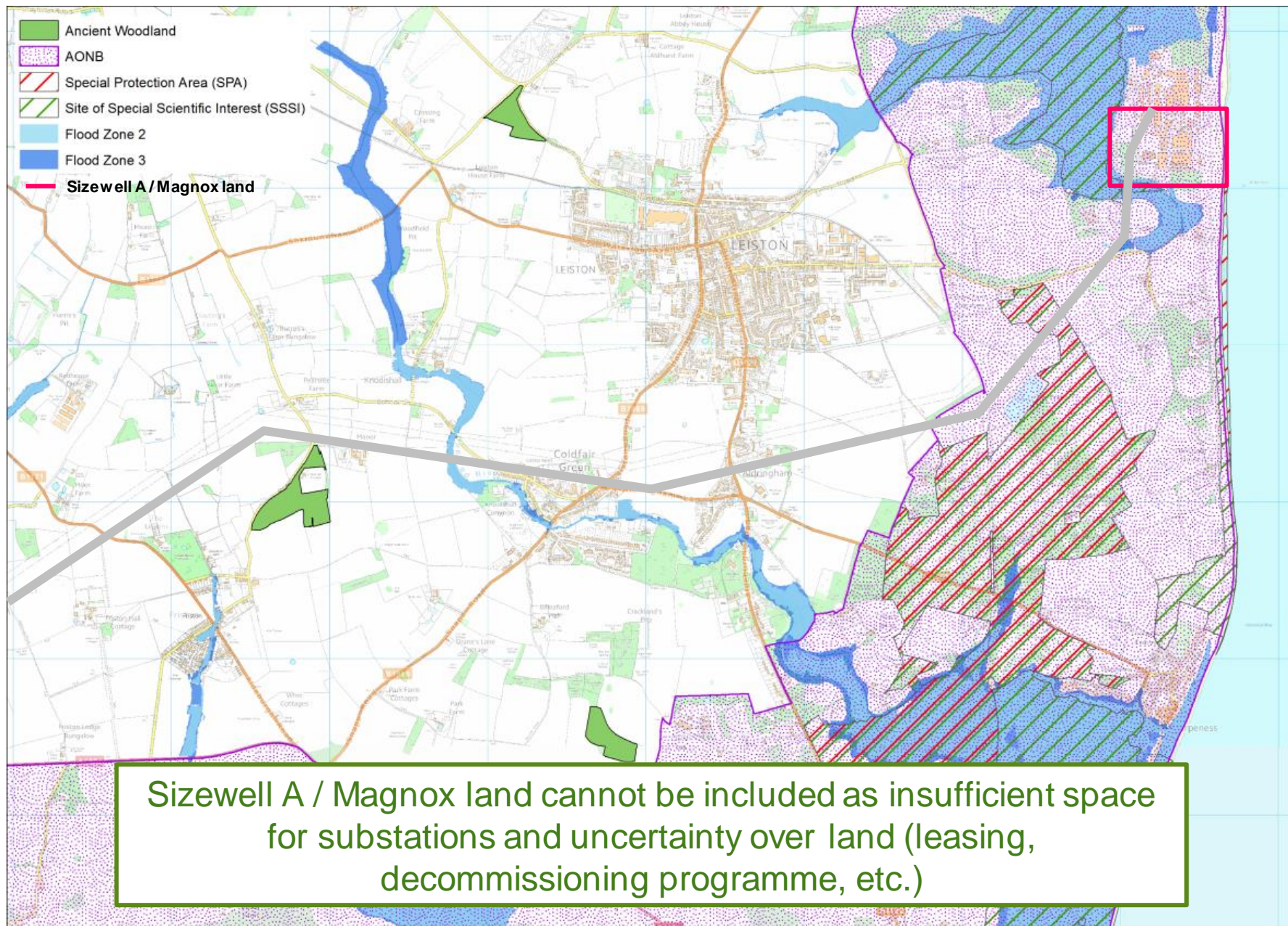
Overview of Site Selection Process

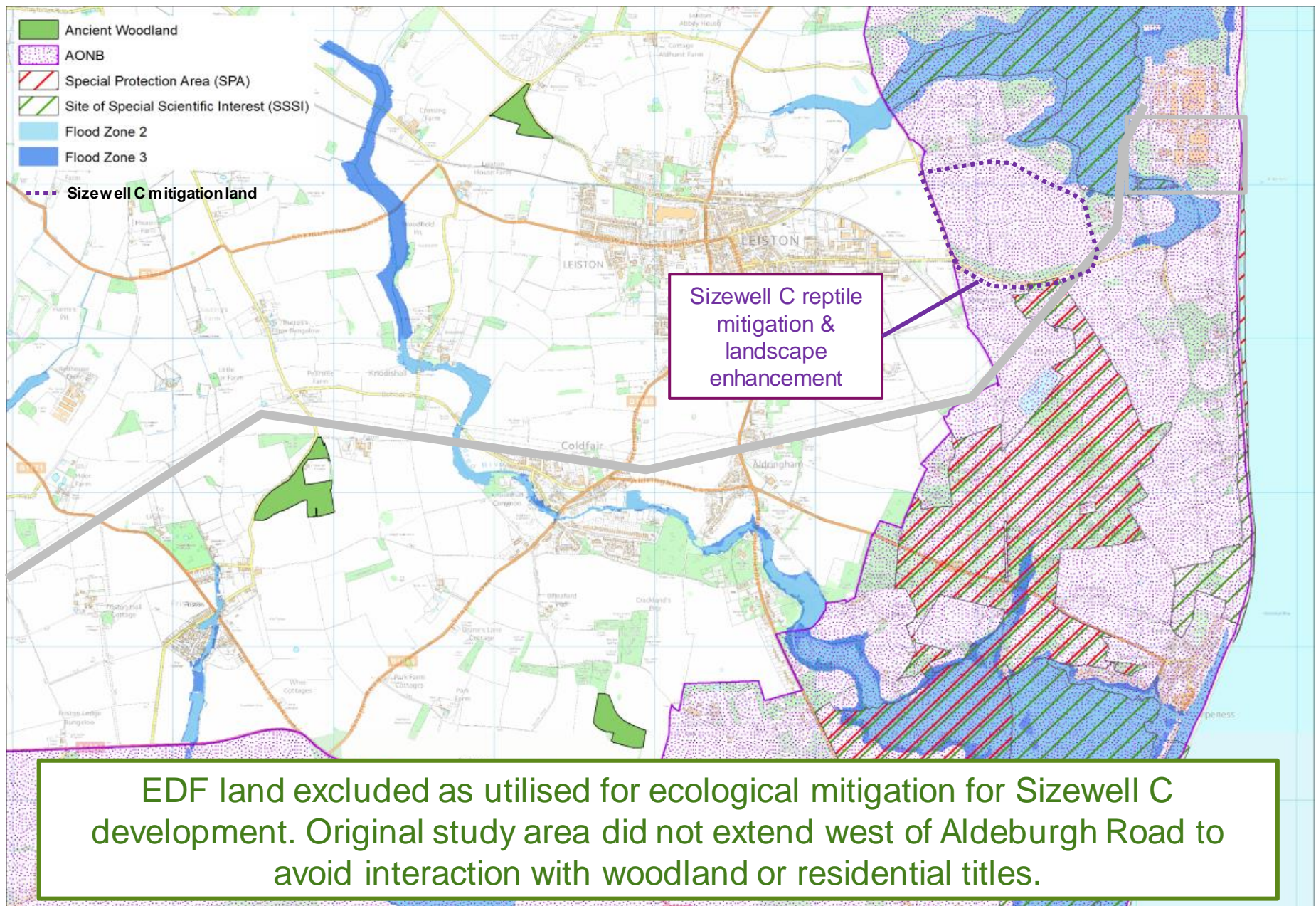
The onshore substation site has been selected by following a robust site selection process. The process is set out below and is described in the following slides

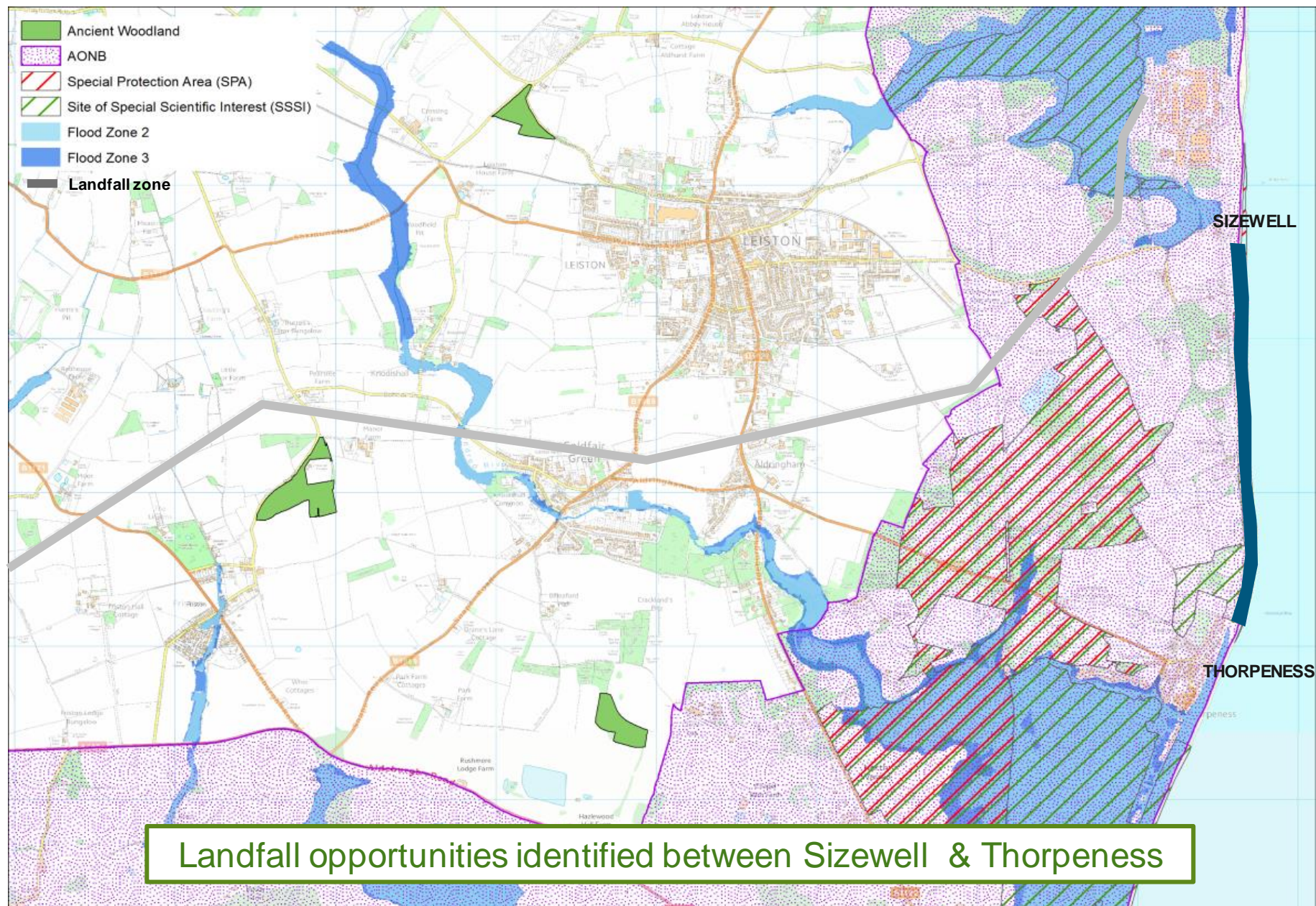




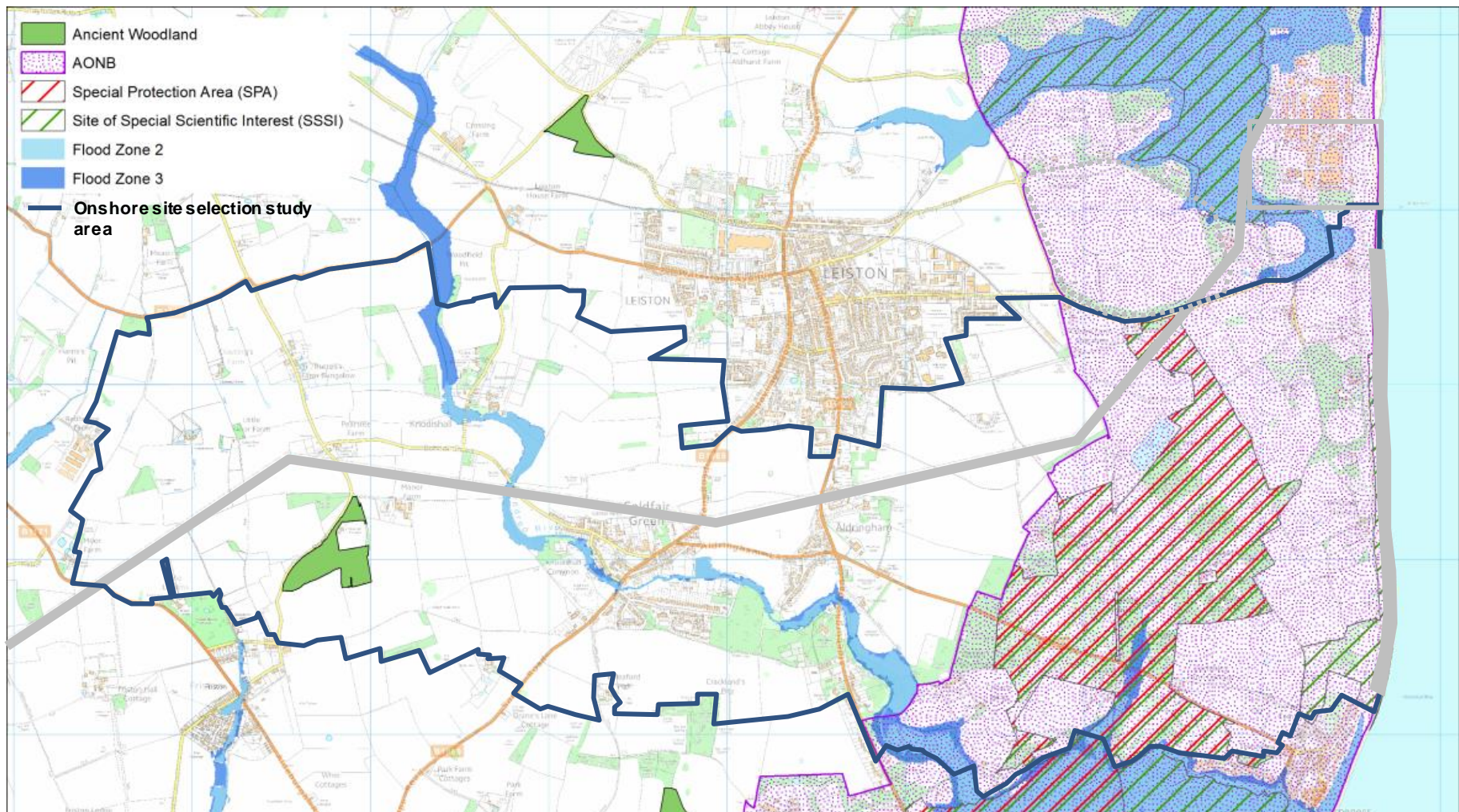




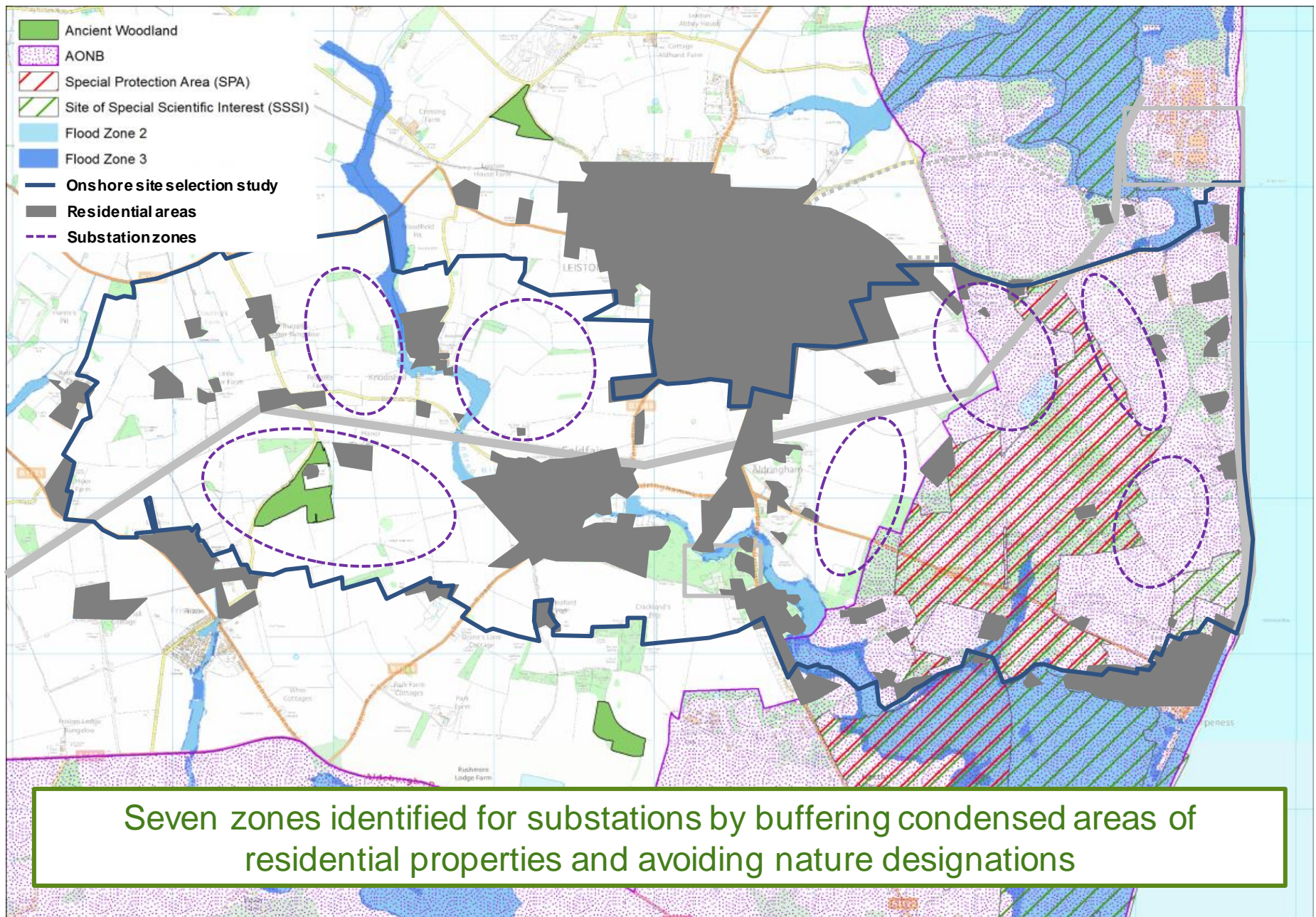


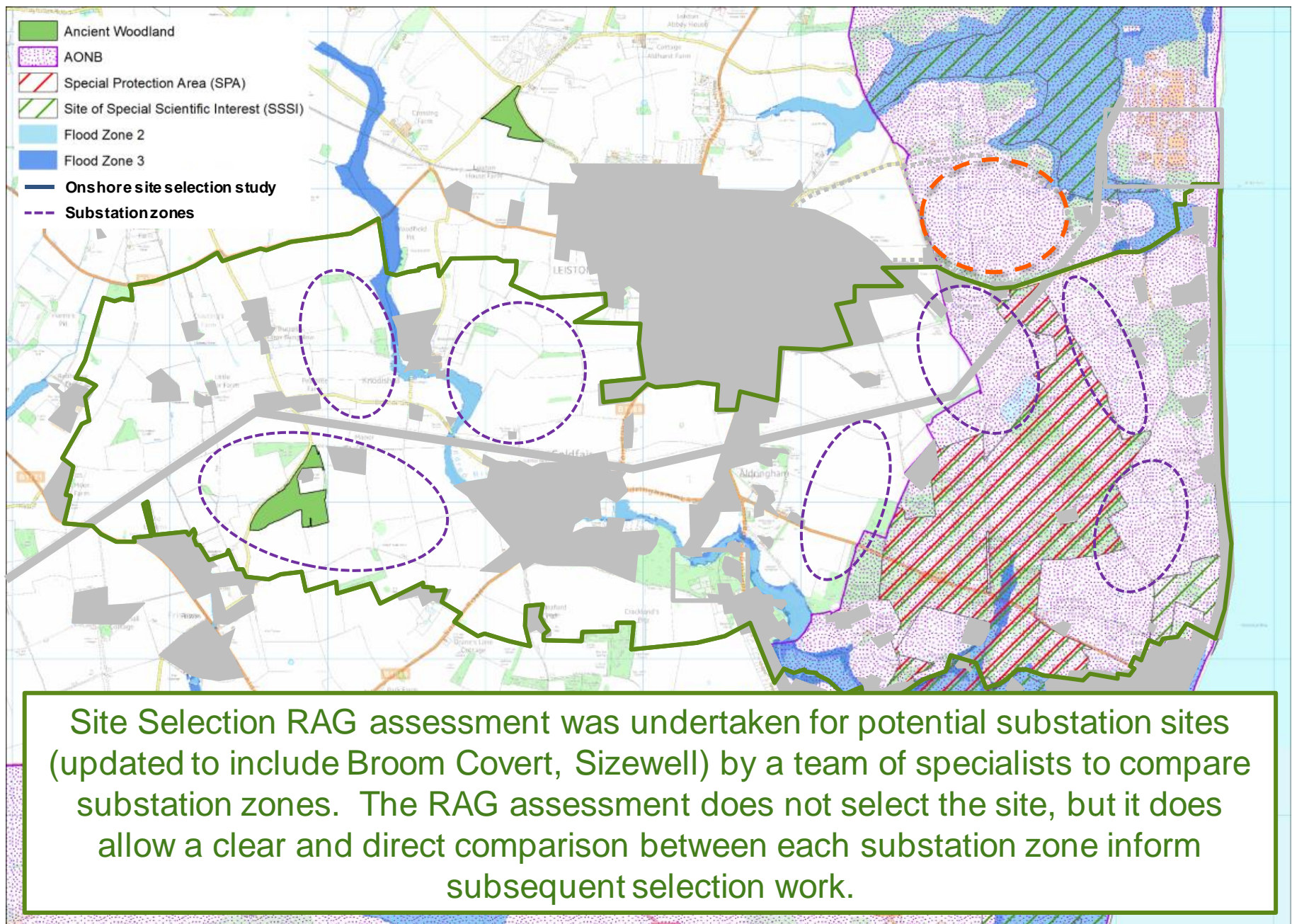


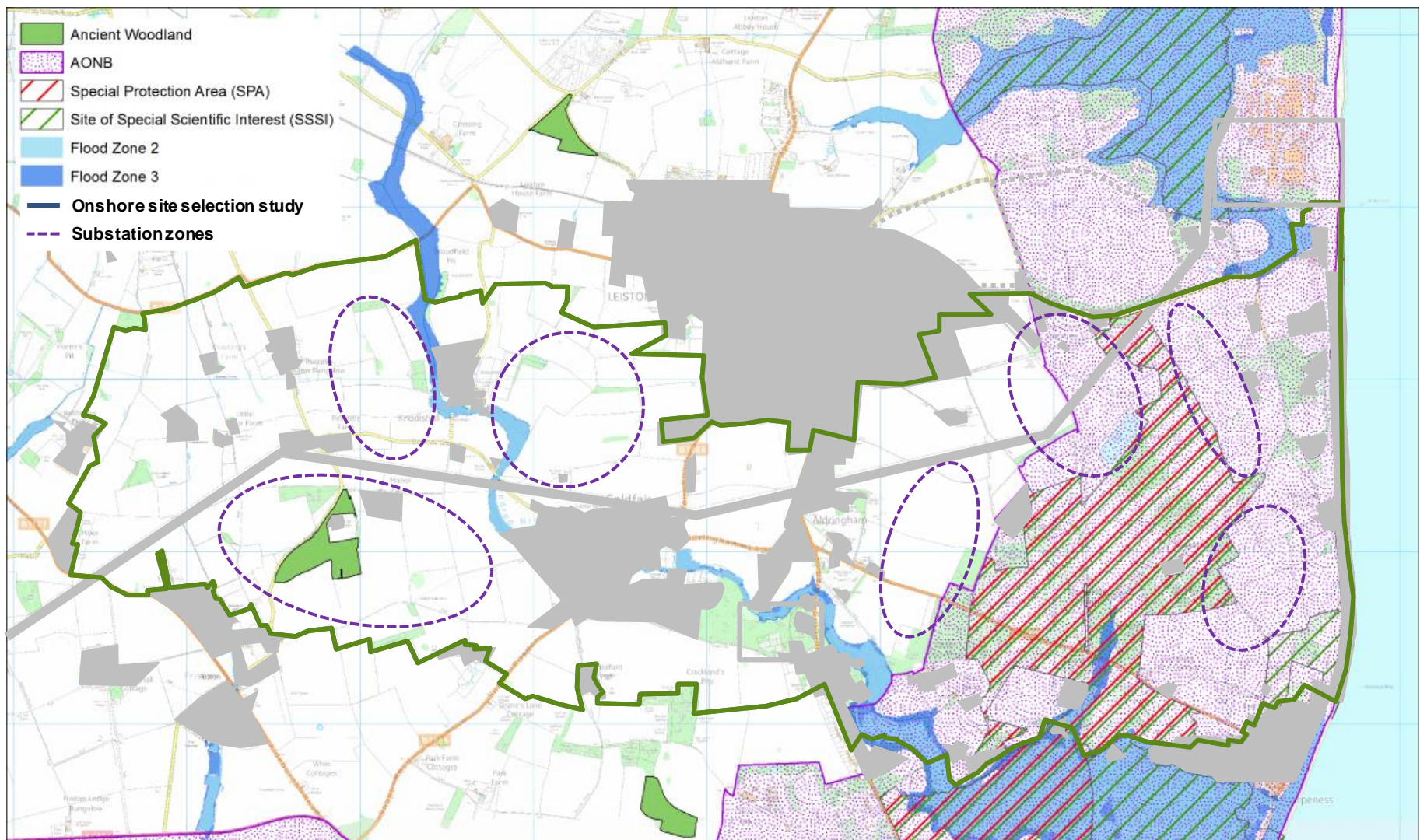
Landfall opportunities identified between Sizewell & Thorpeness



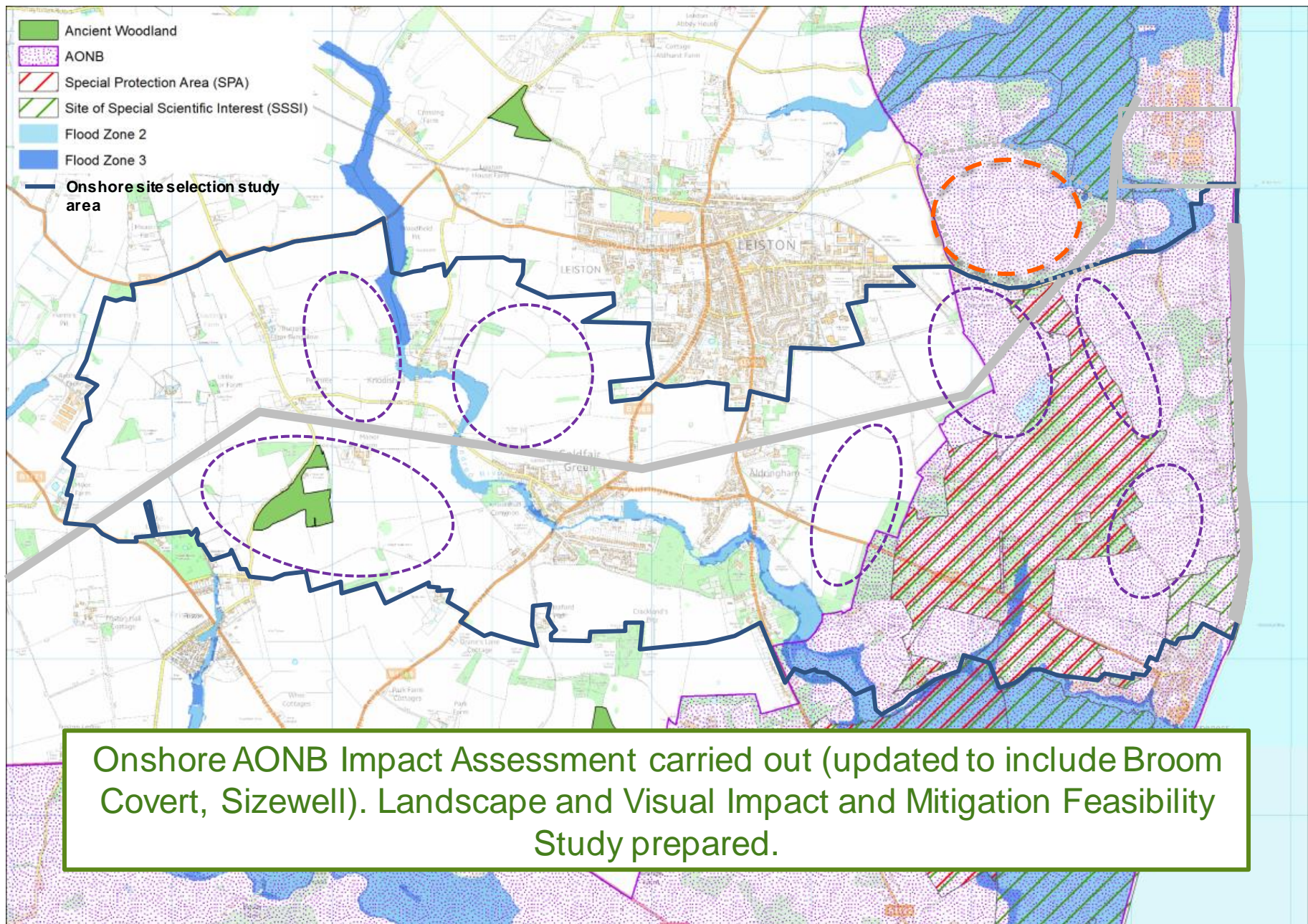
LPA asked SPR to extend Study Area west of Aldeburgh Road due to concerns on potential impacts to siting in or near the AONB. This Study Area was displayed in the Statement of Community Consultation and at the Phase 1 Public Information Days

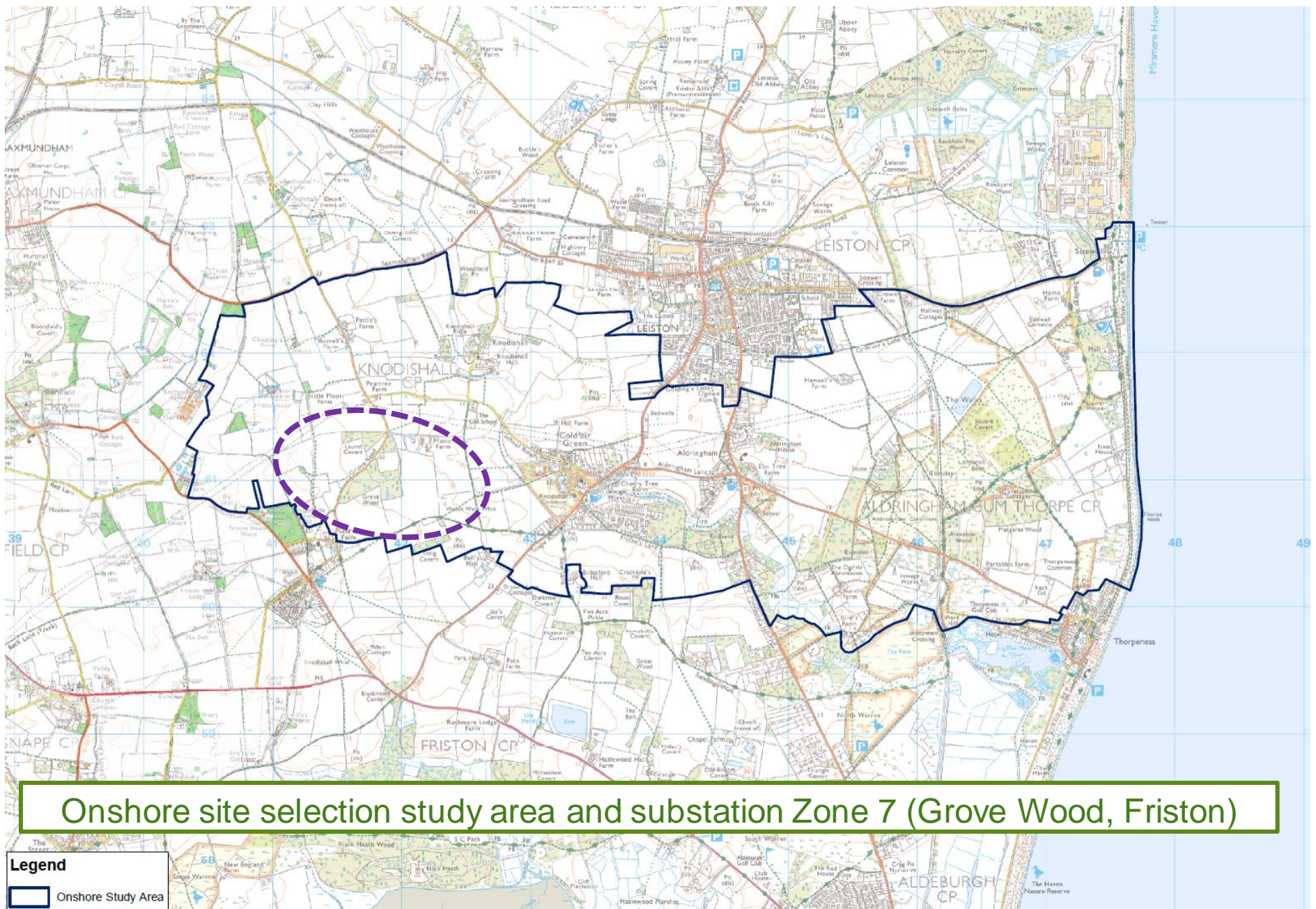






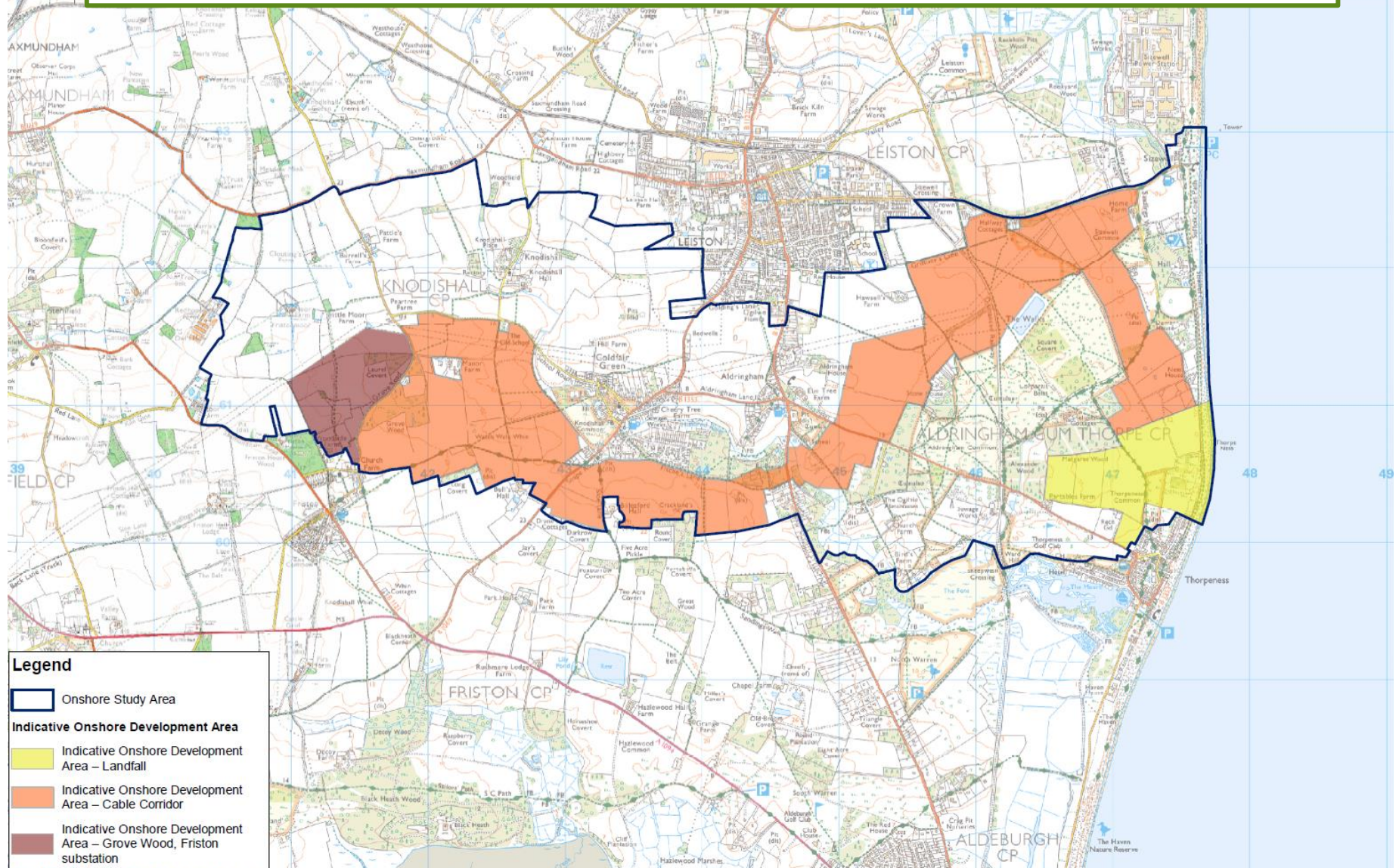
Phase 2 consultation presented these seven zones as options and sought feedback from statutory, non-statutory consultees and the public on a preferred zone



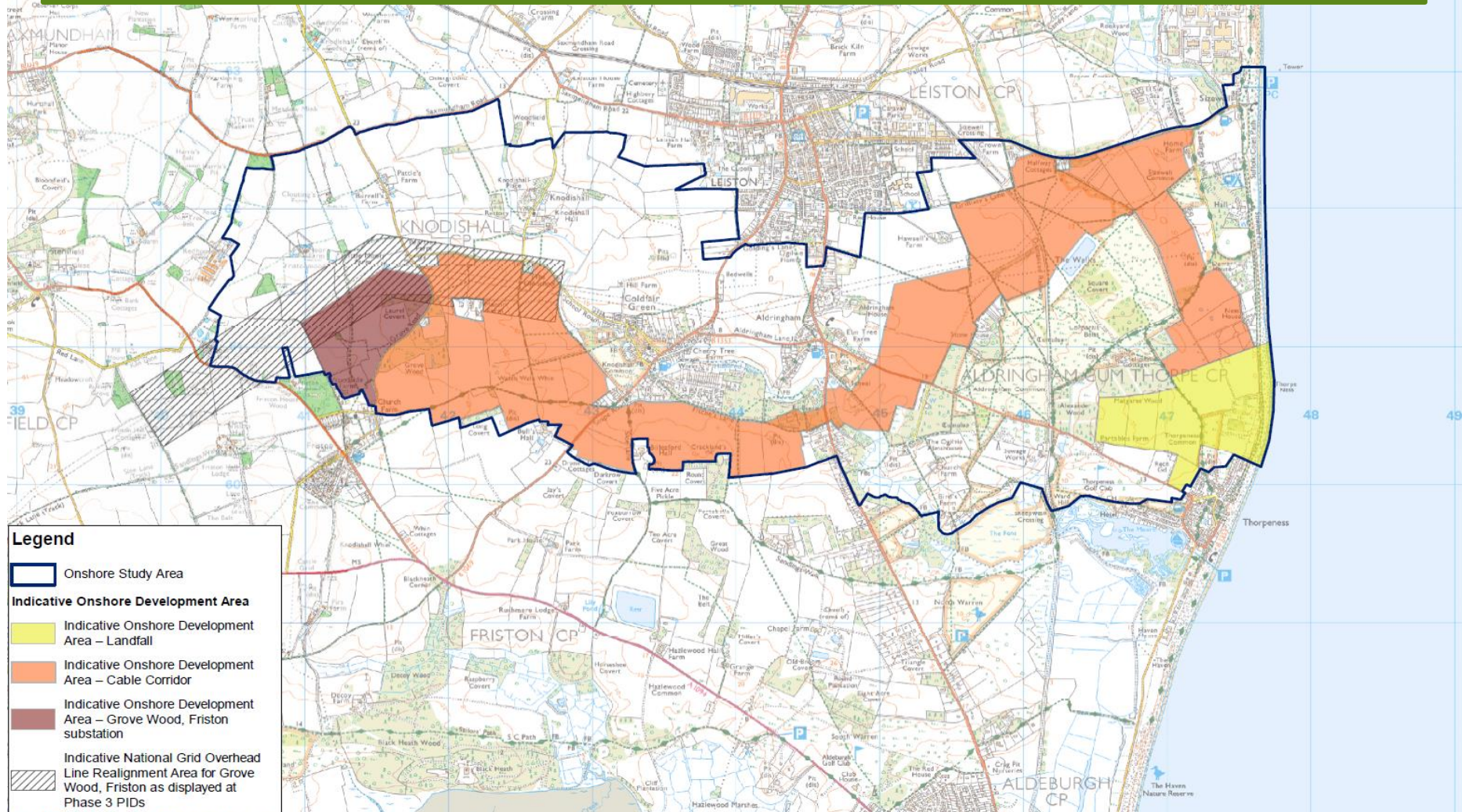


Onshore site selection study area and substation Zone 7 (Grove Wood, Friston)

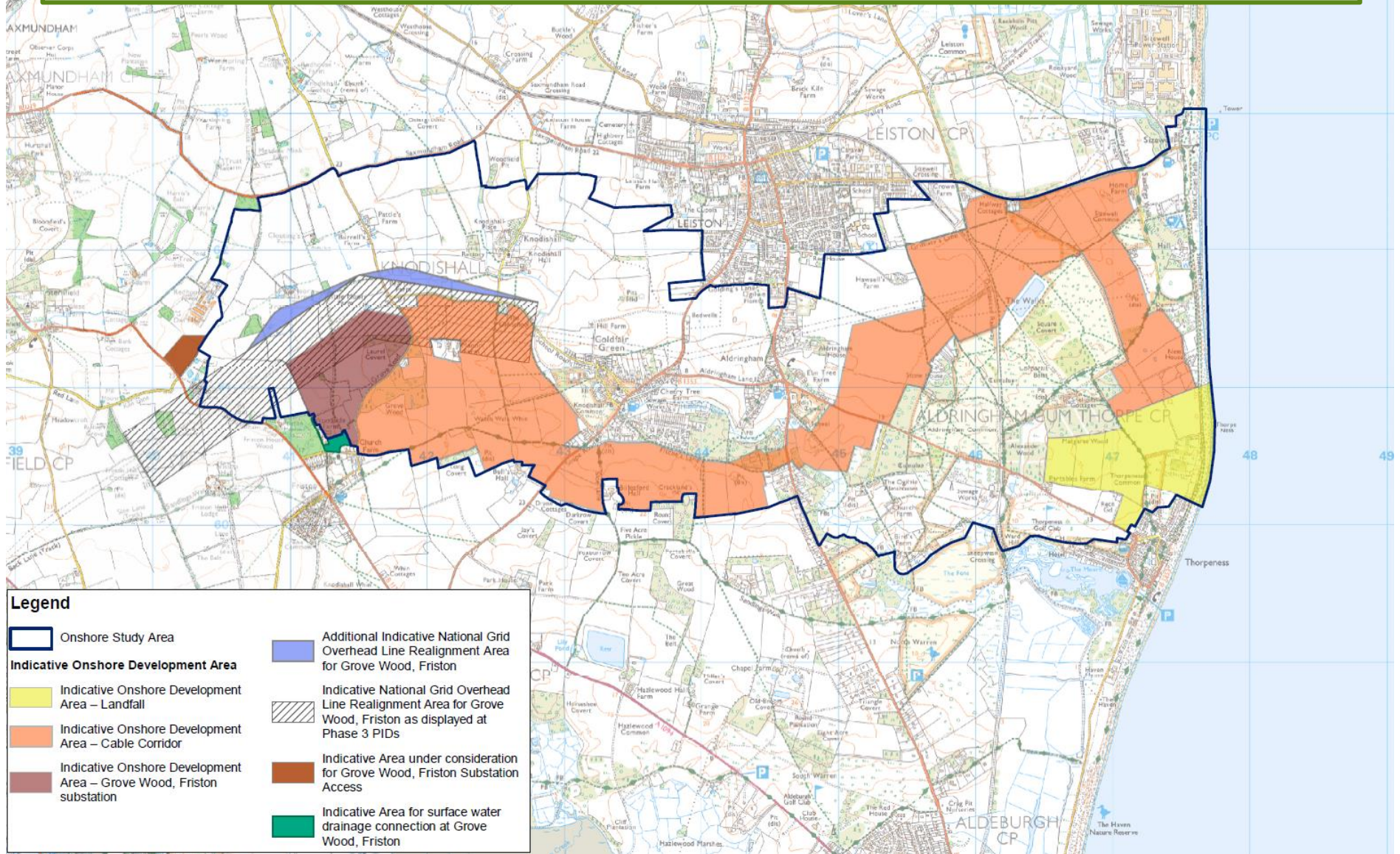
Indicative landfall, onshore cable route and substation areas identified



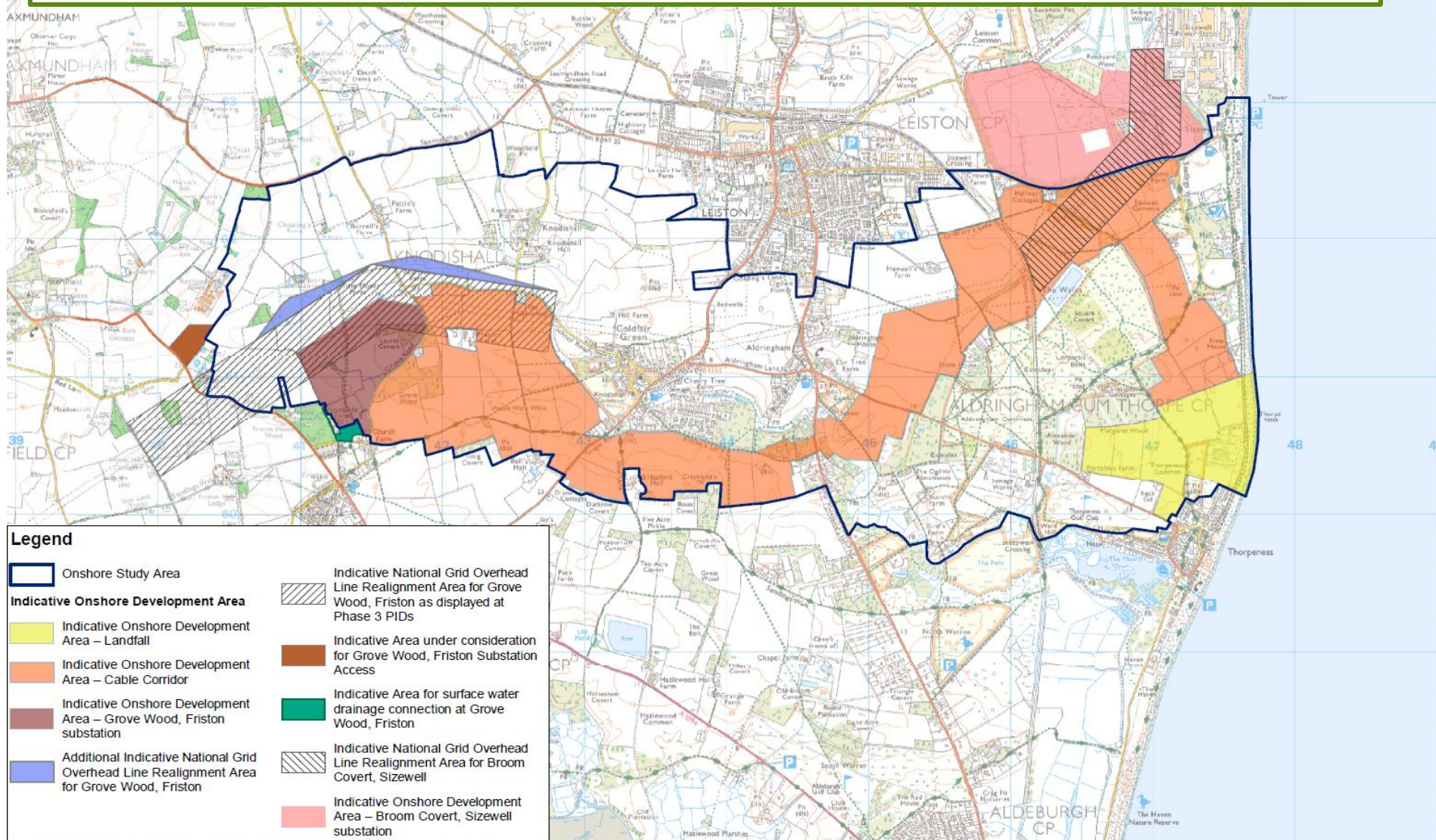
National Grid provided an indicative overhead line realignment area associated with connecting the National Grid substation to the wider electricity network. This figure was published at the Phase 3 Public Information Days



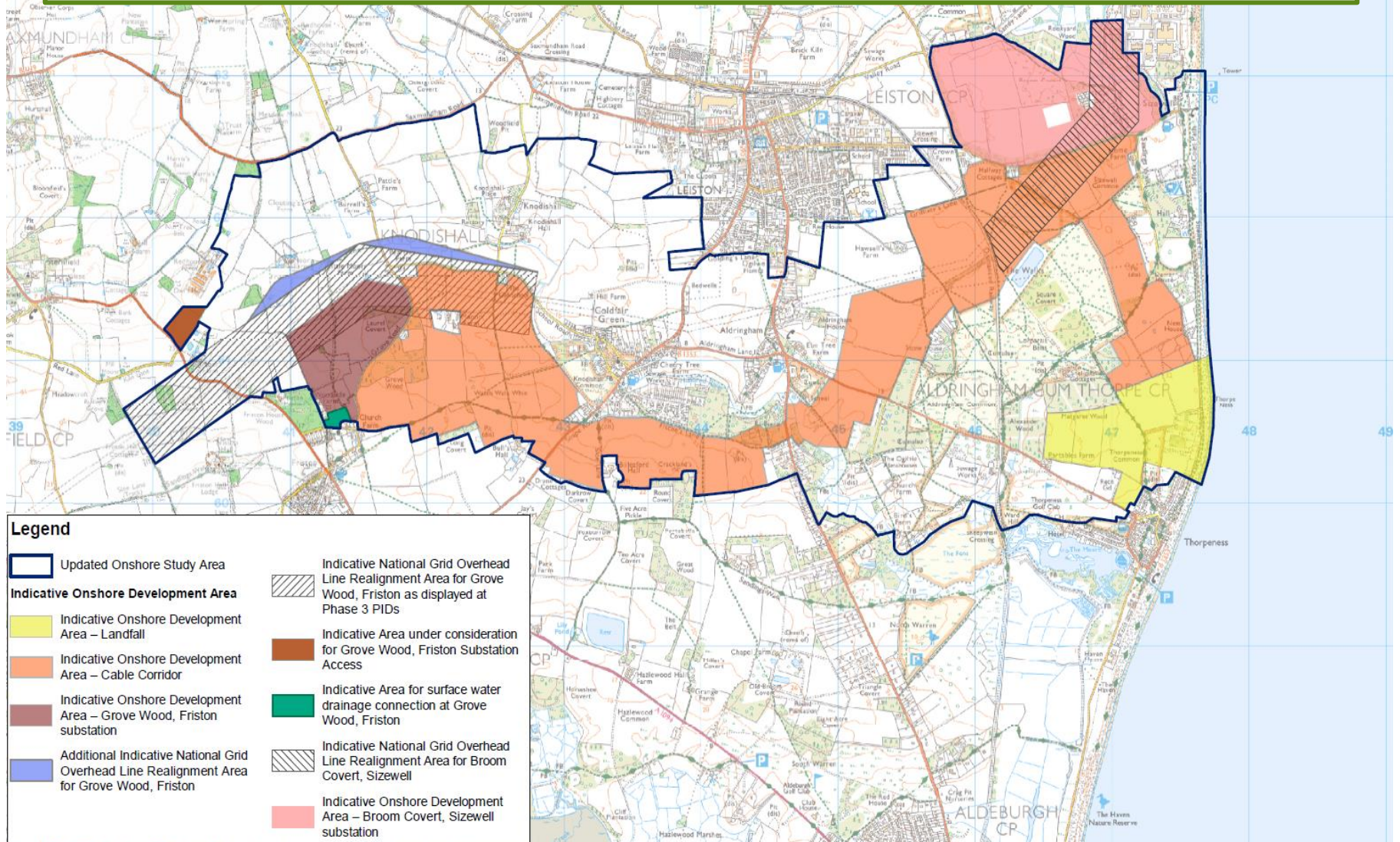
Additional areas identified for the overhead line realignment area, drainage and access requirements



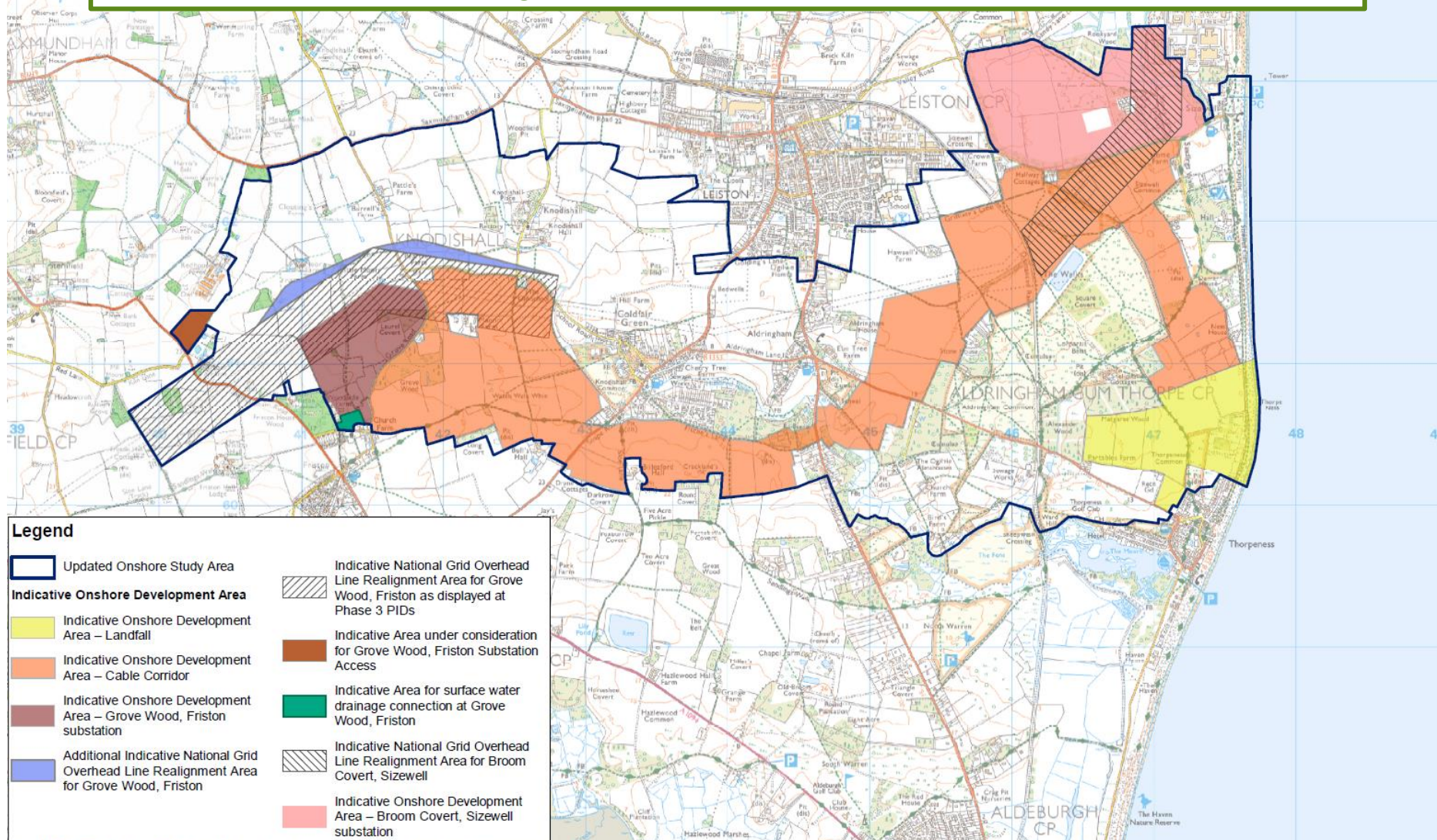
An alternative substation site location was identified, at Broom Covert, Sizewell (including associated overhead line realignment area received from National Grid)



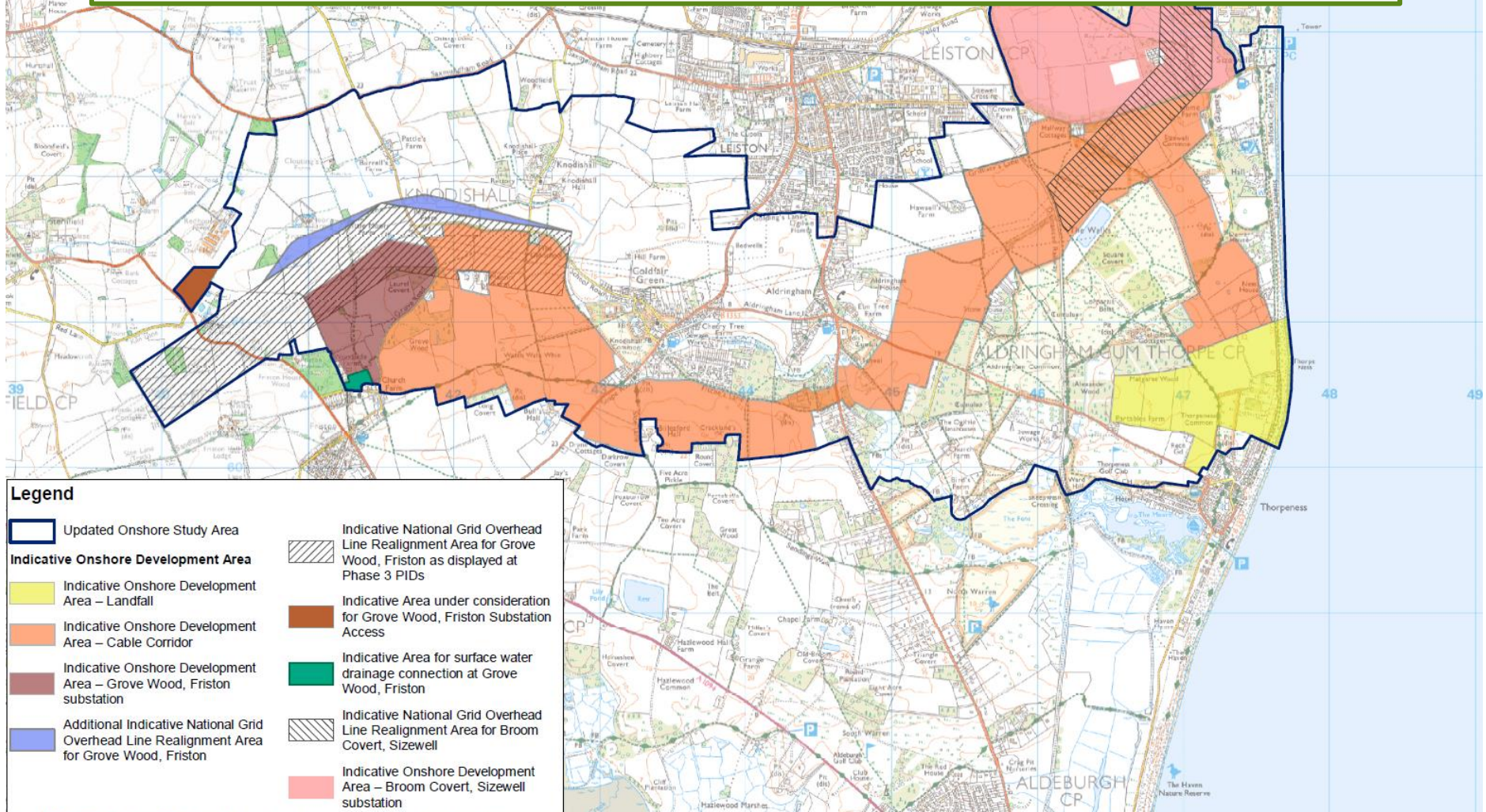
Onshore Study Area updated in light of additional identified areas. This Onshore Study Area defined the area for the Updated Statement of Community Consultation published in September 2018



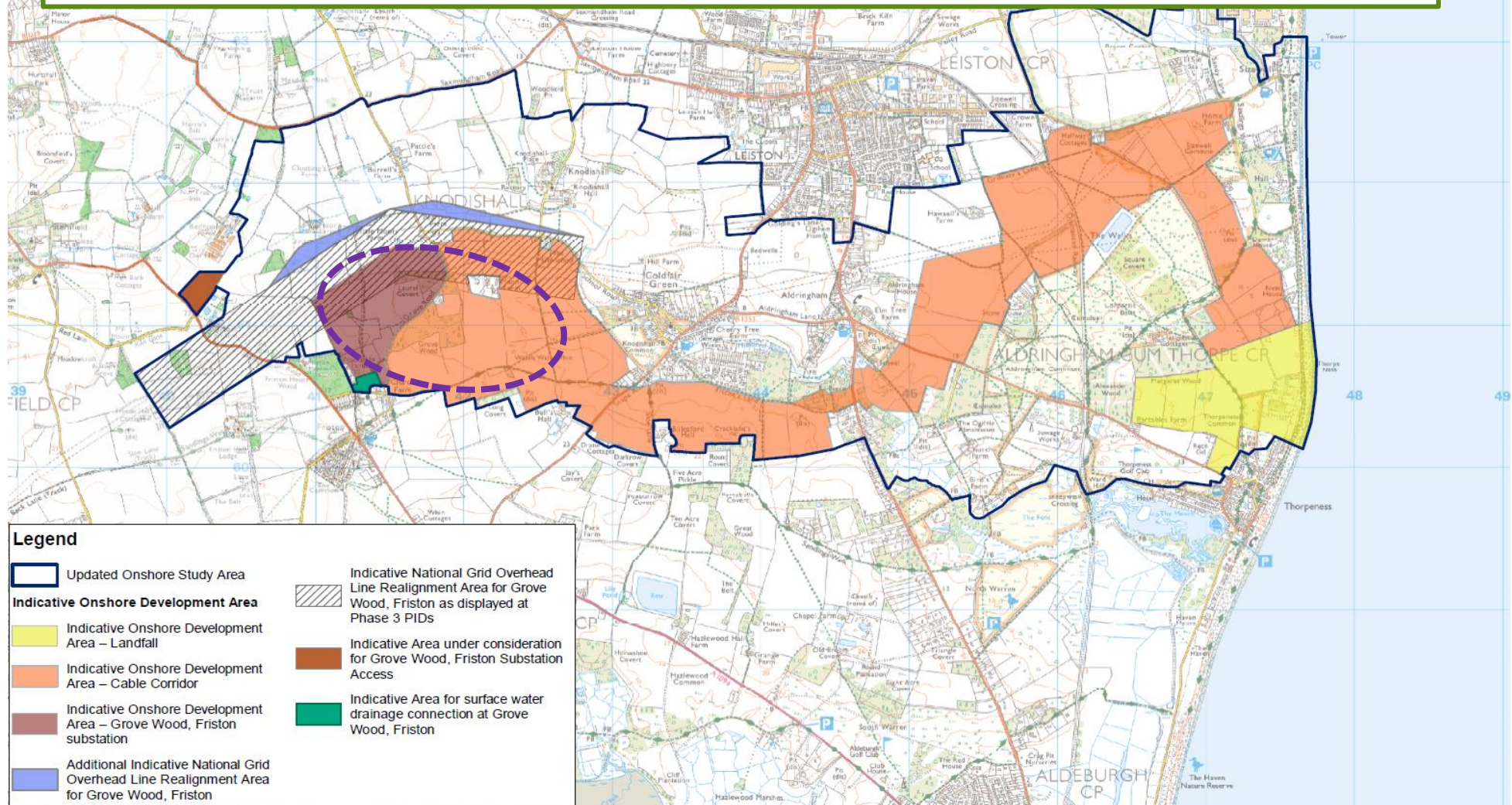
Feasibility of alternative substation site at Broom Covert, Sizewell explored alongside Grove Wood, Friston. Phase 3.5 Consultation carried out to gather views on both sites



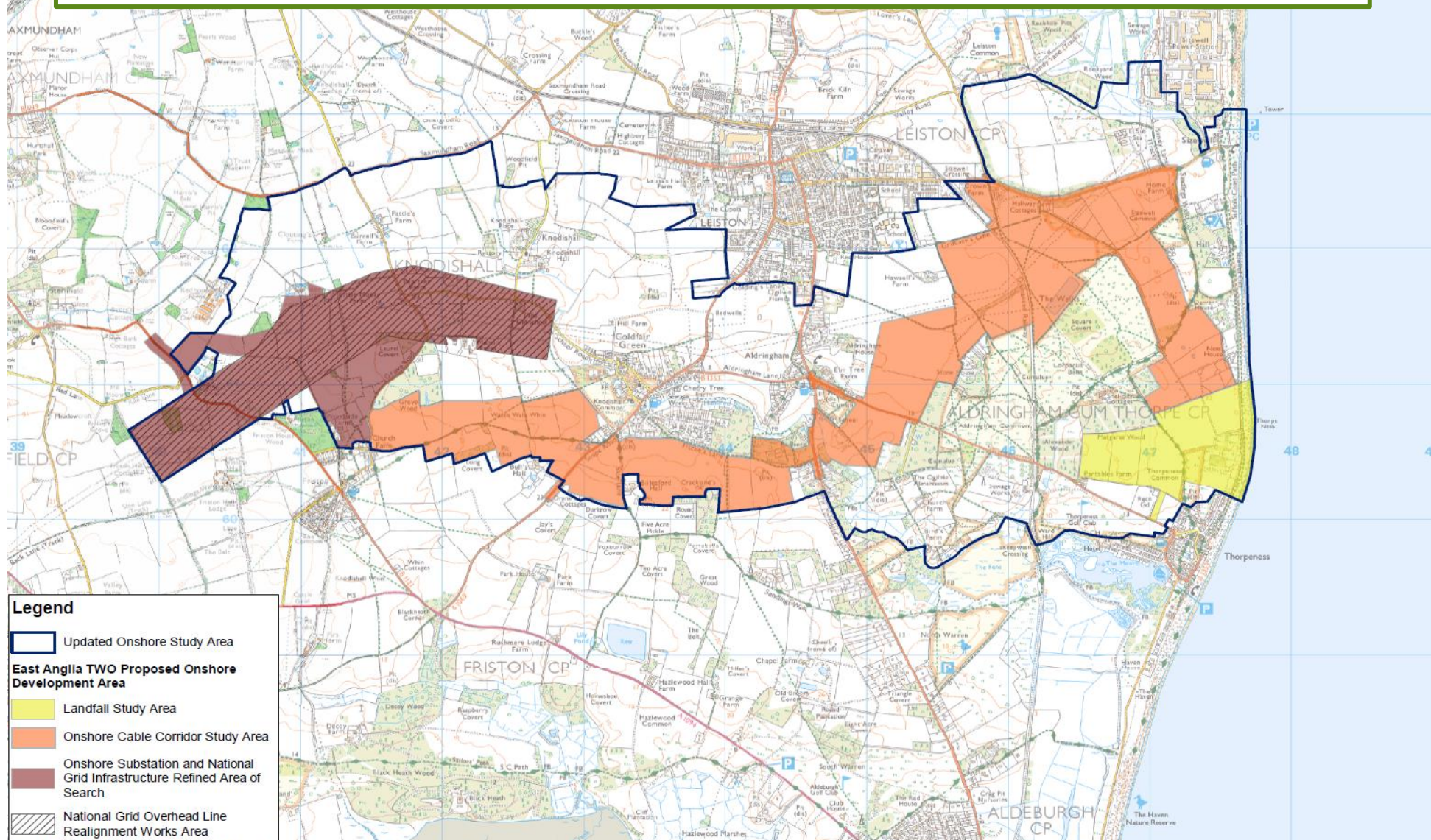
Confirmation of the viability of Grove Wood, Friston undertaken considering aspects such as land, critical path programme, key policy, design/constructing, operations, and commercial viability/cost considerations.



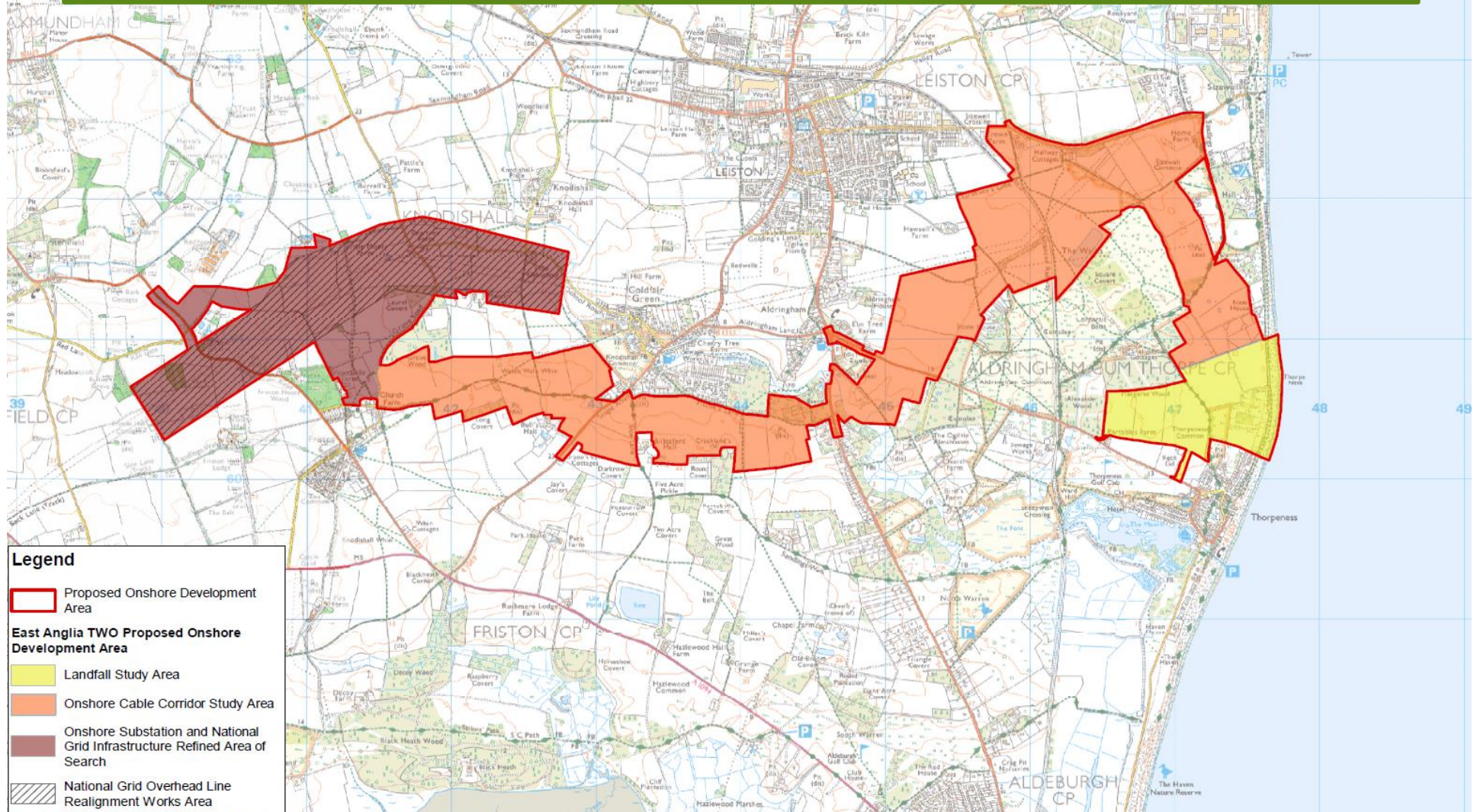
In accordance with policies set out in NPS-EN1 (regarding protection of the AONB) and based on extensive advice and stakeholder engagement during our Phase 3.5 consultation, it was decided that the Grove Wood, Friston site offers on balance the most appropriate option for substation development



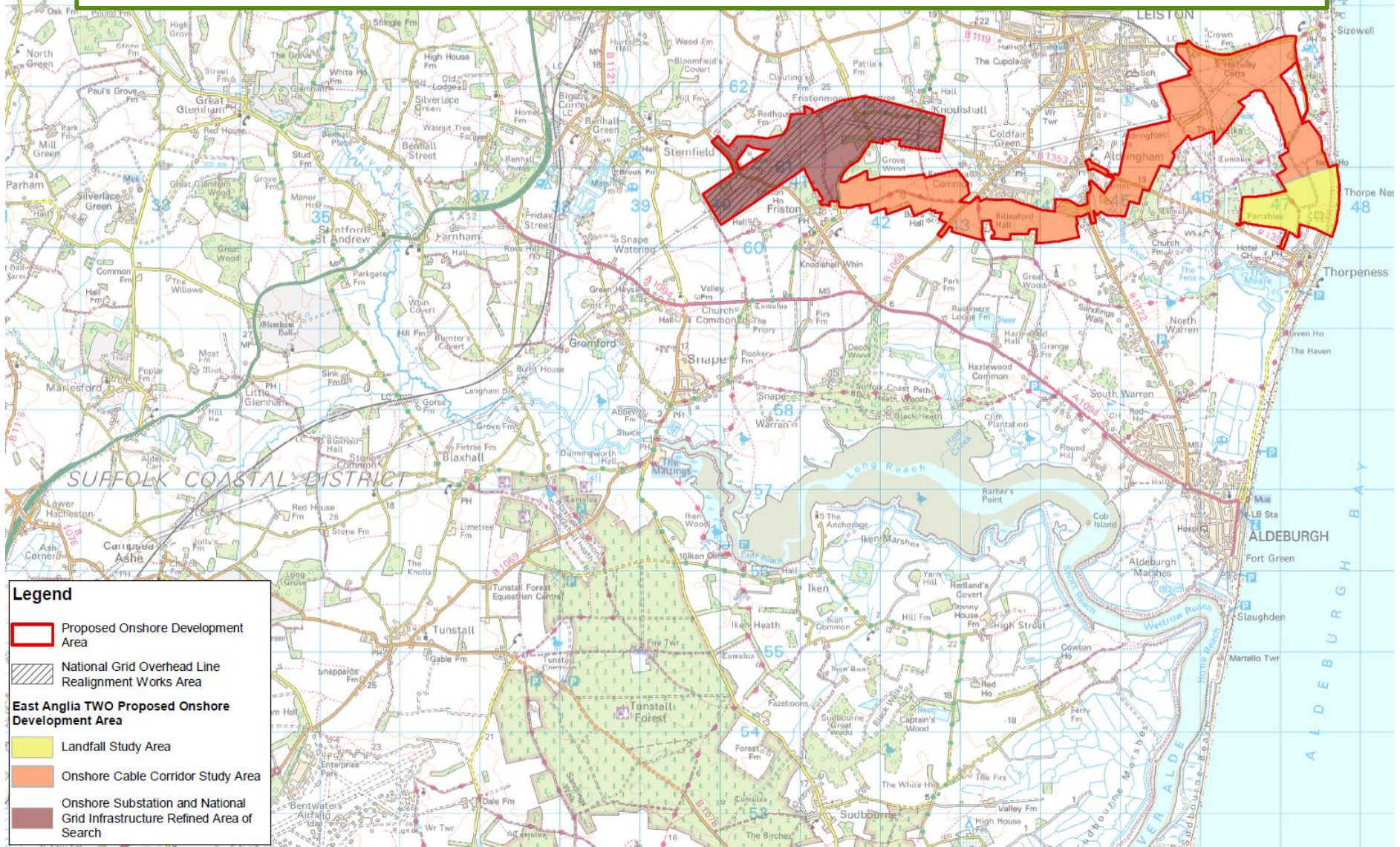
Additional areas identified following feedback from Phase 3.5 consultation, predominantly in relation to traffic & transport construction and operation access



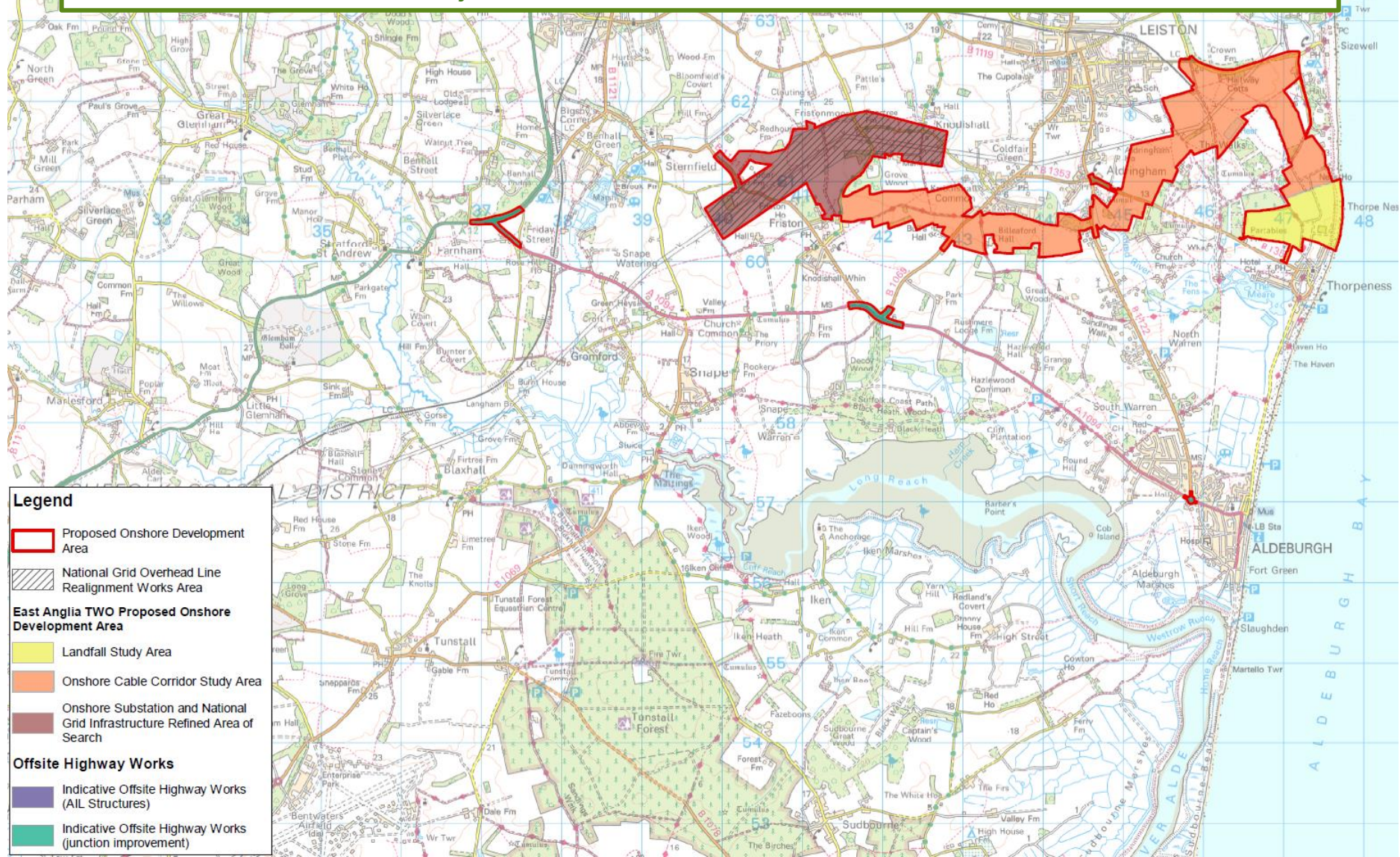
Proposed Onshore Development Area (for landfall, cable corridor and substation area) defined for drafting the Preliminary Environmental Information Report and topic assessments



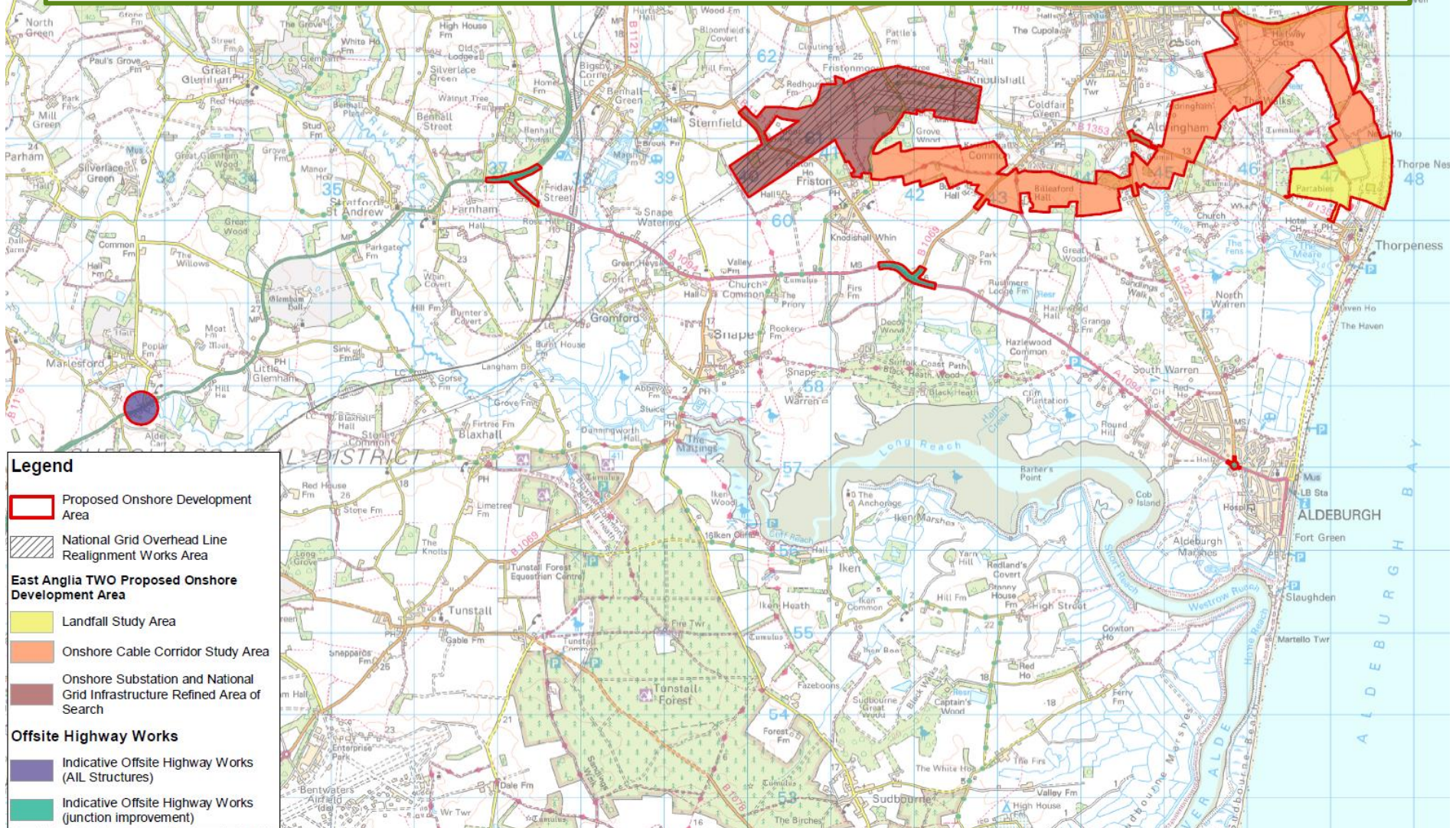
Further work with respect to Traffic & Transport identified additional areas (on a wider scale) to be included in the Proposed Onshore Development Area



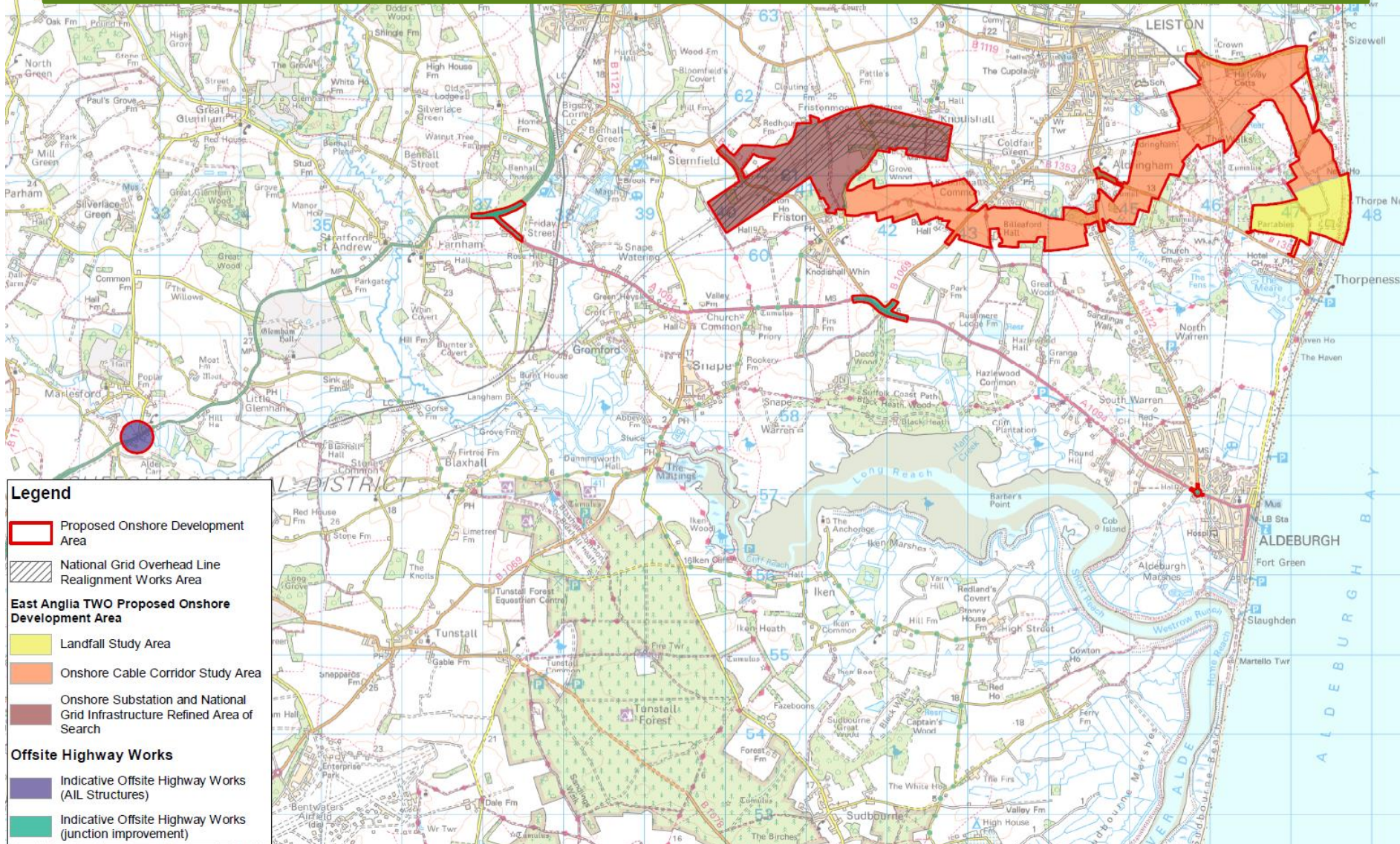
Offsite highway junction improvement works identified to enable construction traffic access via junctions on the A12, A1094, B1069 and B1122.



Road bridge on A12 at Marlesford identified as requiring further investigation to establish whether strengthening works are required to allow Abnormal Indivisible Loads (i.e. transformers) to pass over it



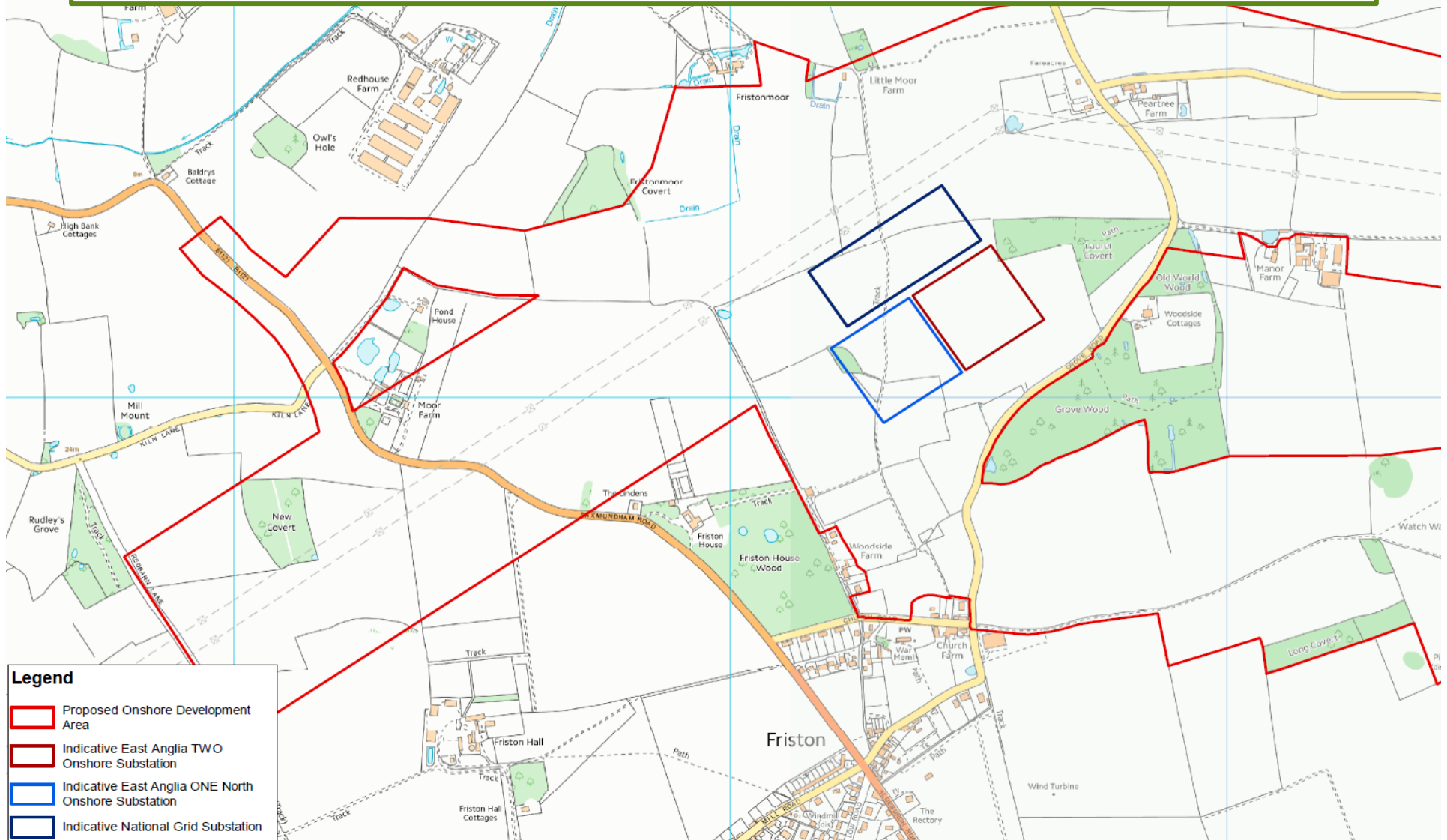
Proposed Onshore Development Area defined for drafting the Preliminary Environmental Information Report and topic assessments



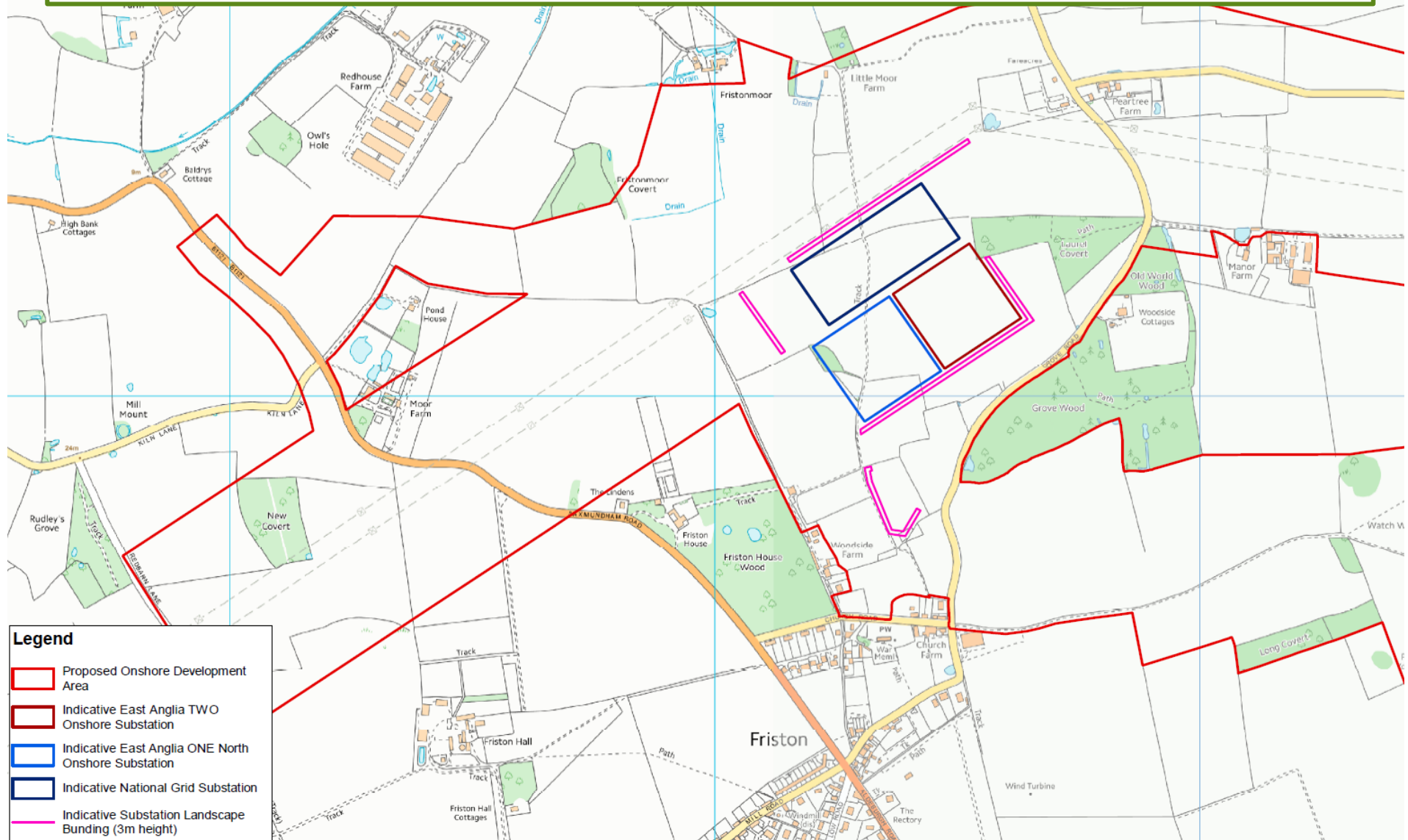
Indicative Substation Masterplan

The indicative substation masterplan has been developed following feedback from Phase 3.5 consultation. SPR have engaged with all statutory consultees to explain our approach and obtain feedback through the Expert Topic Group process.

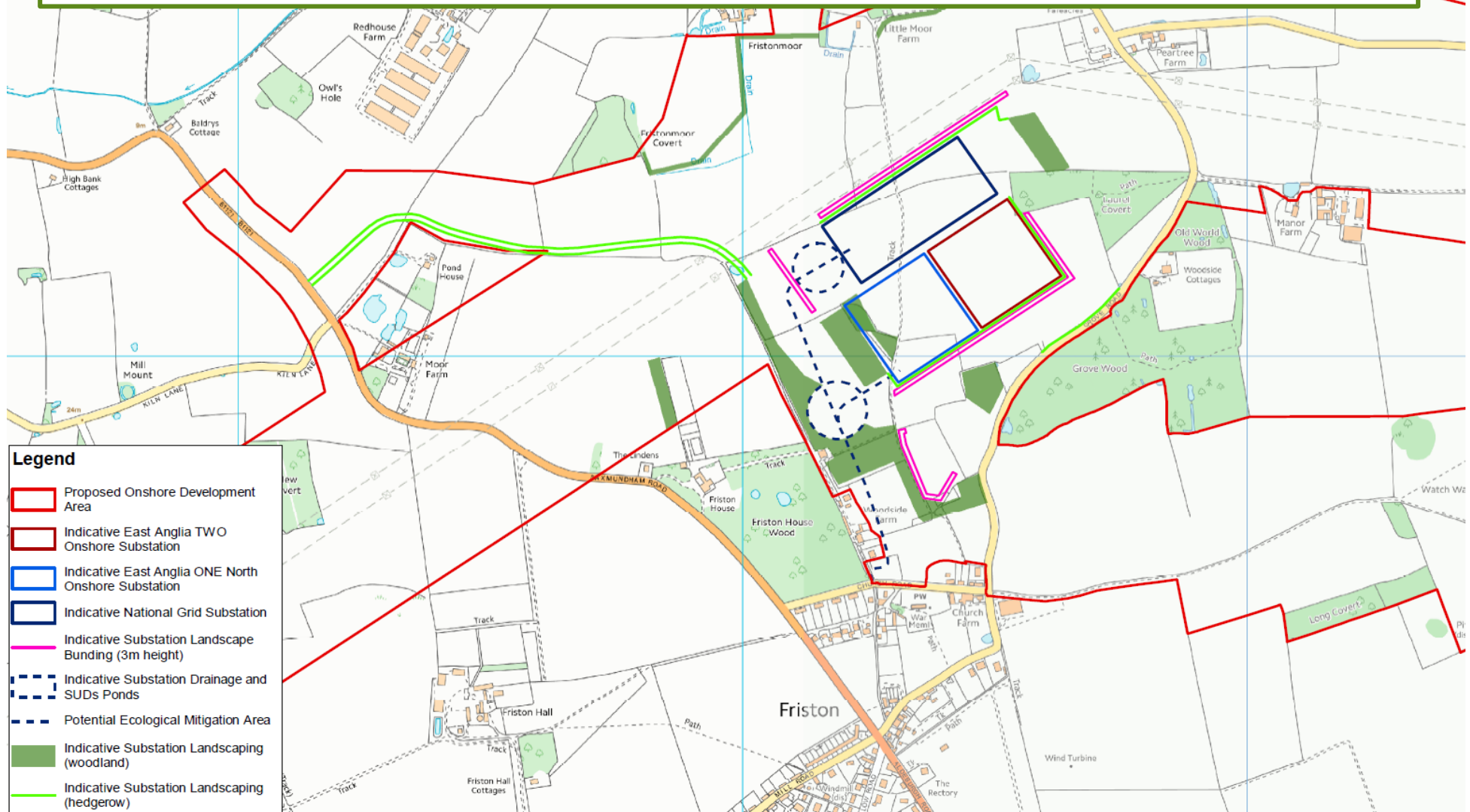
East Anglia TWO, East Anglia ONE North and National Grid substation located west of Grove Wood and north of Friston village



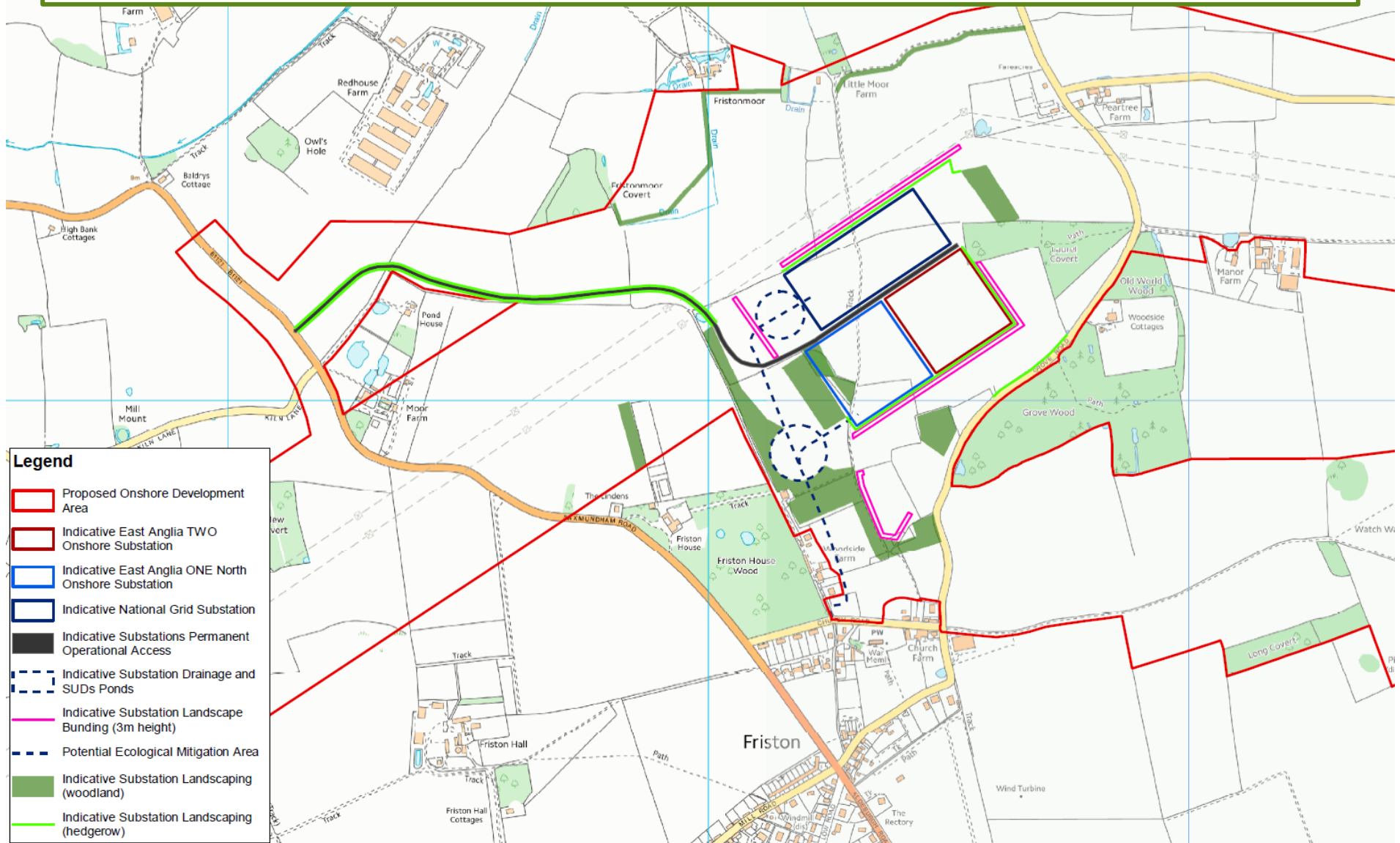
Potential locations for 3m high bunds identified for use of excavated spoil generated by levelling of the substation platforms



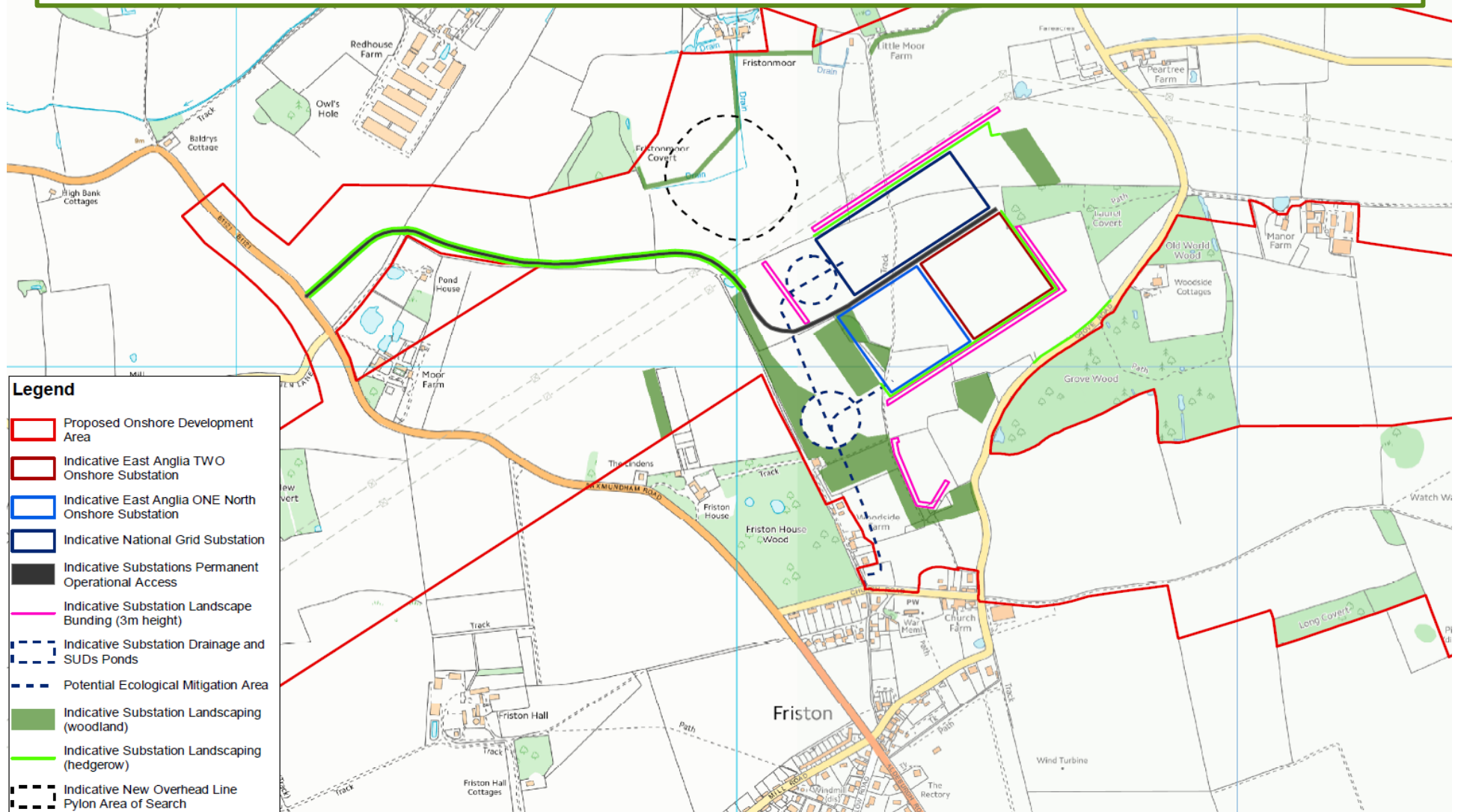
Sustainable urban drainage system (SUDS) identified for the East Anglia TWO and East Anglia ONE North substations, and a separate SUDS for the National Grid substation, with drainage into Friston Brook



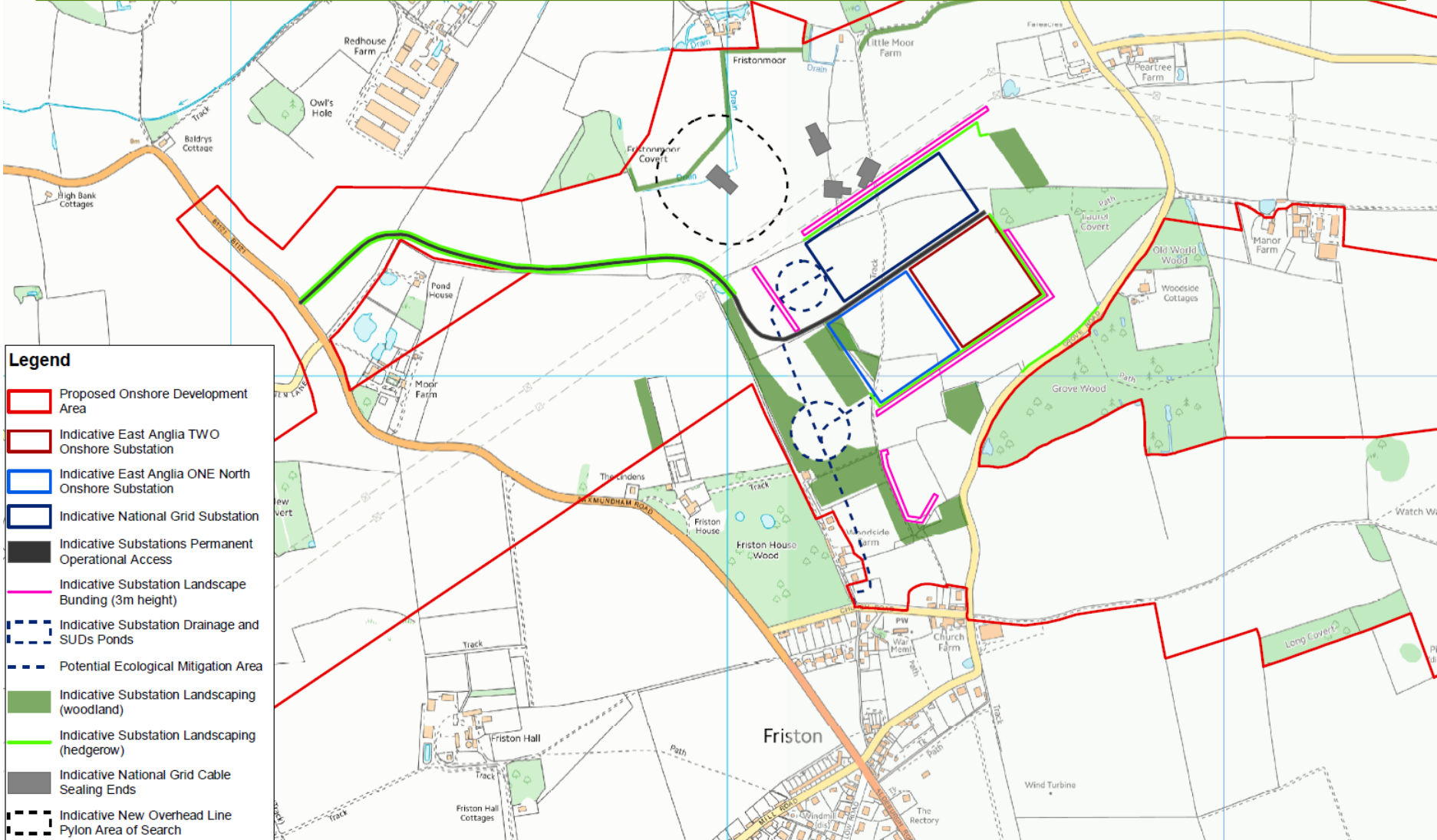
Substation operational access road identified, connecting the onshore substation site to the B1121



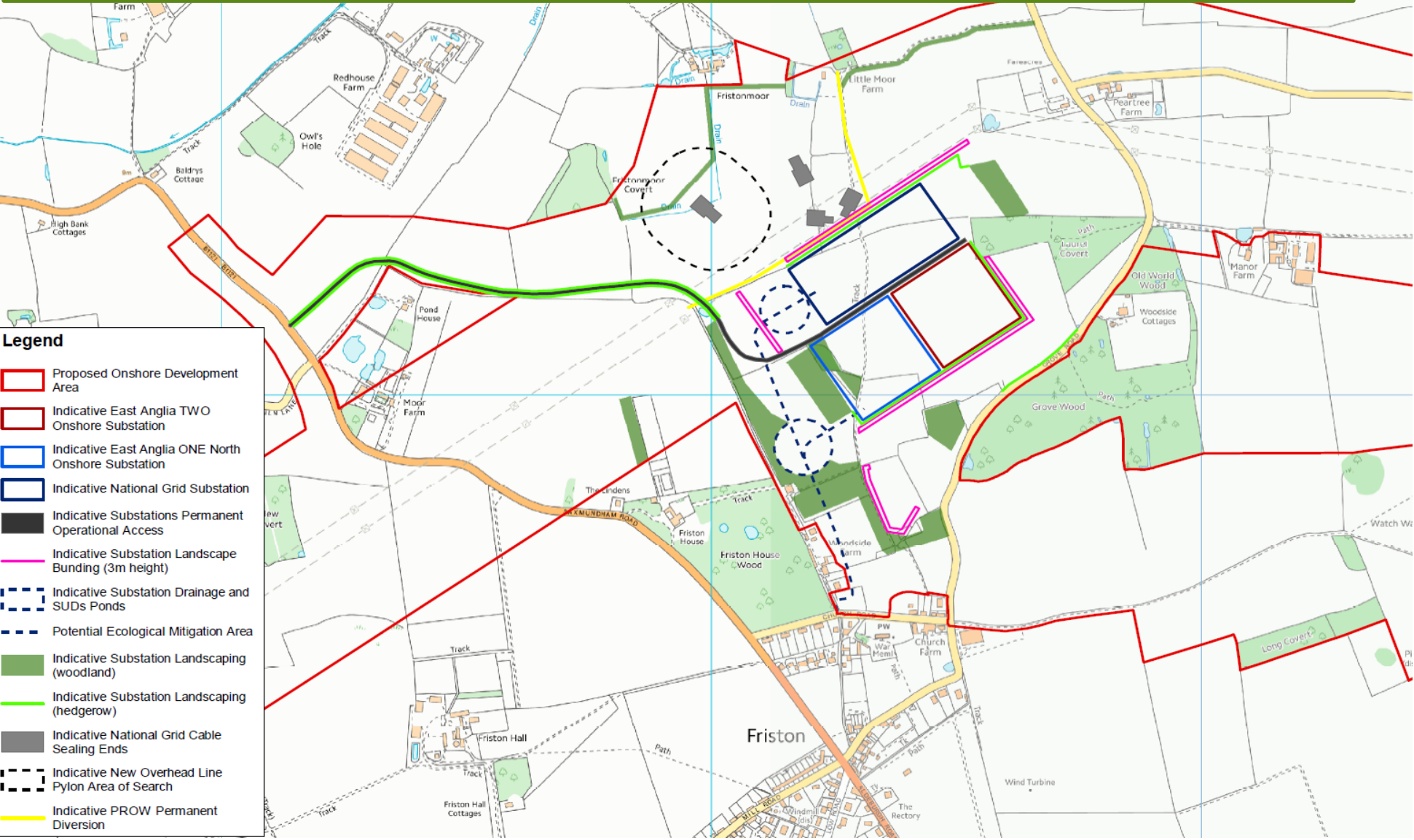
National Grid has identified the possible need for an additional overhead line pylon to the north west of the National Grid substation to facilitate connection to the wider electrical grid



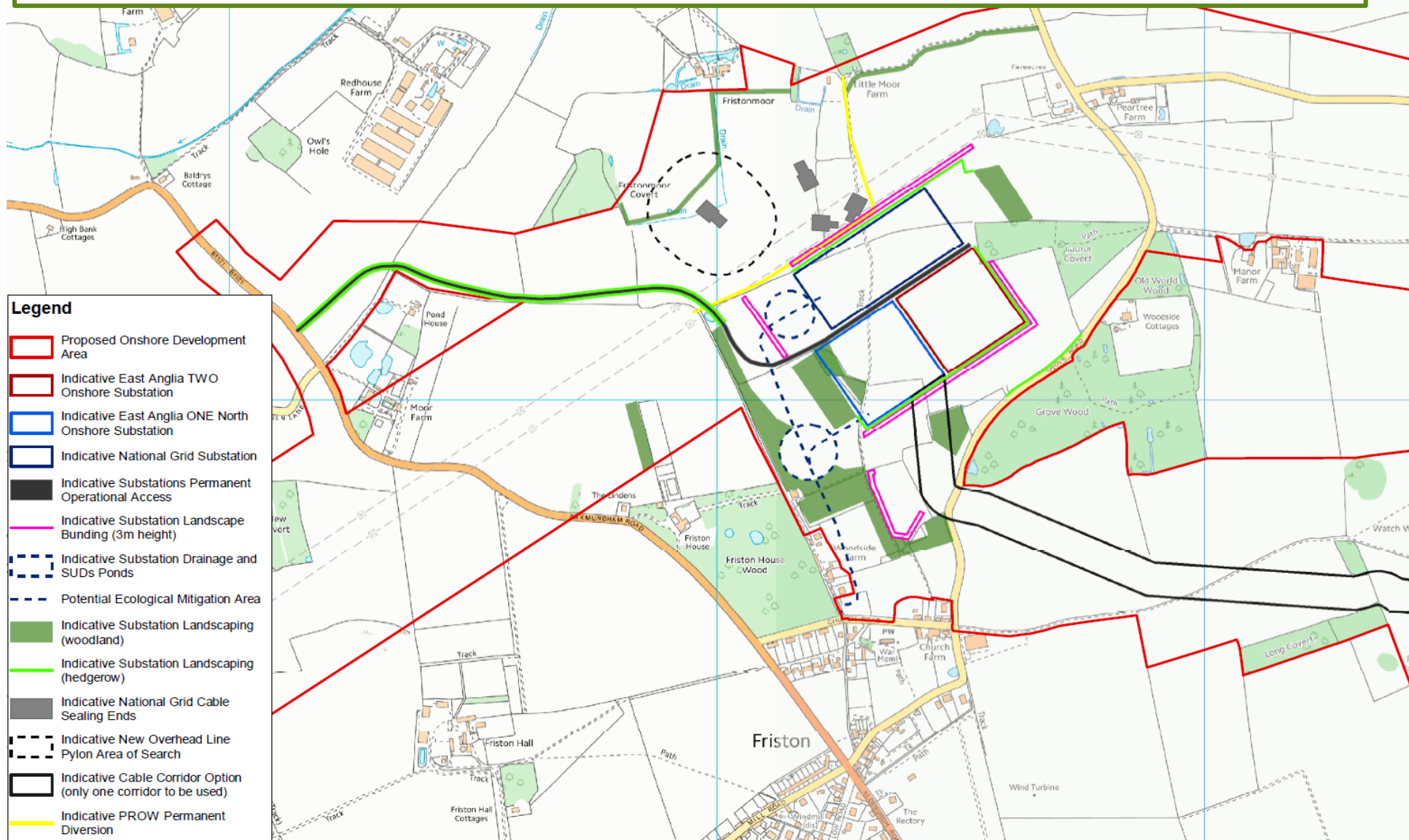
National Grid has identified the requirement for up to four cable sealing ends to connect the National Grid substation to the overhead lines to facilitate connection to the wider electrical grid



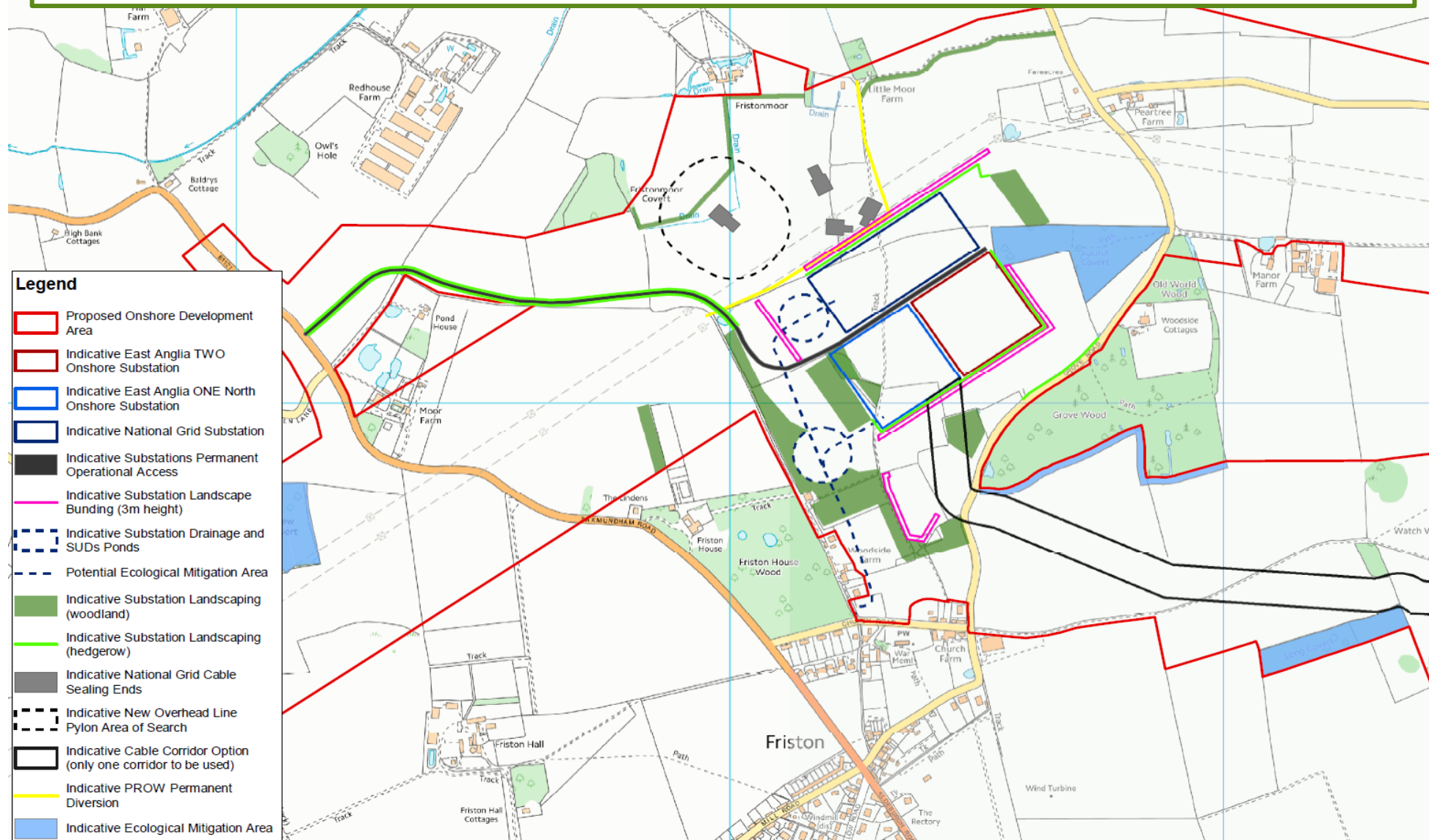
Indicative Public Right of Way permanent diversion identified – route shown is closest possible to original PRow route



Onshore cable route connects landfall to substation, connecting in to the East Anglia TWO and East Anglia ONE North substations



Ecological mitigation areas identified to mitigate impacts to ecology, or enhance local area for amenity and ecological benefit



**Your feedback is welcomed –
relevant responses will be
considered when preparing the
Development Consent Order
application**