

**Planning Application with Navigation Implications:  
BA/2018/0466/FUL – Land at Burgh Castle – BFAP Compartment 34**  
Installation of new piling in front of existing to maintain the long-term integrity of this section of flood defences.

**Purpose:** The purpose of this report is to consult the Committee on a planning application for the installation of new piling at Burgh Castle in front of existing to maintain the long-term integrity of this section of flood defences.

**1. Location**

- 1.1 The site is located on the right bank of the River Waveney immediately upstream of Burgh Castle Marina. It comprises part of the 3.3 km of flood defences that provide protection to land and property within Belton Marshes and adjoining areas (compartment 34 of the Broadland Flood Alleviation Project). The piled edge here has formerly been used as free 24-hour moorings, managed by the Broads Authority, but these were closed earlier in 2018 and the lease with the landowner terminated due to the poor condition of the piling.

**2. The Planning Application**

- 2.1 The proposal is to pile a total linear length of 211m, with 178 m along the former moorings and a further 38m beyond the Internal Drainage Board outfall. This would involve installing 10m long steel sheet piles approximately 1.2m in front of the existing line of piling. This distance is required in order to give sufficient working space and be able to install the 14.5m long tie rods that will be anchored into a buried steel sheet retaining wall at the base of the earth embankment.
- 2.2 The gap between the existing and new pile line will be backfilled with well-graded granular material and topped with 150mm Type 1, to tie-in with existing ground levels. Details of the associated safety, chains, ladders, mooring posts etc. are shown in the application.
- 2.3 It is anticipated that the works could take up to 6 months to complete. They would start once planning permission has been granted and the steel piles have been delivered. It is proposed to undertake daily working between 7am and 5pm Monday to Friday, accepting that there will be shorter days during the winter months. General site attendance will be three operatives and three excavator drivers with occasional visiting BESL staff. Site access will be from

the A143, through north Belton and then the access track to the IDB pump and the river.

- 2.4 The applicant advises that the installation of the piles, although in front of the existing line, will not have any measurable effect on water levels within this part of the River Waveney and consequently no change in the flood risk either upstream or downstream. The river is approximately 50m wide and there is a large tidal range at this location. The completed scheme, together with the recent crest raising of the earth embankment, will provide long-term protection to the nearby properties and grazing marshes within compartment 34.
- 2.5 Although the piled frontage was previously used for free 24-hour moorings, there is currently no lease in place with the landowner, notwithstanding the fact that people should not be using the piling because of their poor condition. Consequently, there will be no impact on moorings during the works.
- 2.6 Plant will comprise a 23 tonne ALE piling excavator with Movax hammer plus one 14 tonne and one 8 tonne excavator on site whilst placing the walings and tie rods. Some fittings will be installed from the river and there will be a safety boat present.

### **3. Conclusion**

- 3.1 Member's views on any matters of relevance to navigation are sought and will be considered as part of the planning process.

Background papers:	BA/2018/0466/FUL
Author:	Ruth Sainsbury
Date of report:	18 December 2018
Broads Plan Objectives:	None
Appendices:	APPENDIX 1 - Location Plan

