

**Key**

- Planning Red Line Boundary
- River Foss Reprofitting Works

**Existing Landscape Features**

- River Foss & Suburbs
- Existing waterbodies
- Existing Green space
- Trees / vegetation
- Existing trees to be removed
- Left bank reprofiling & in channel shallow berms
- Right bank reprofiling & in channel shallow berms
- Footpaths

**Proposed Landscape Works**

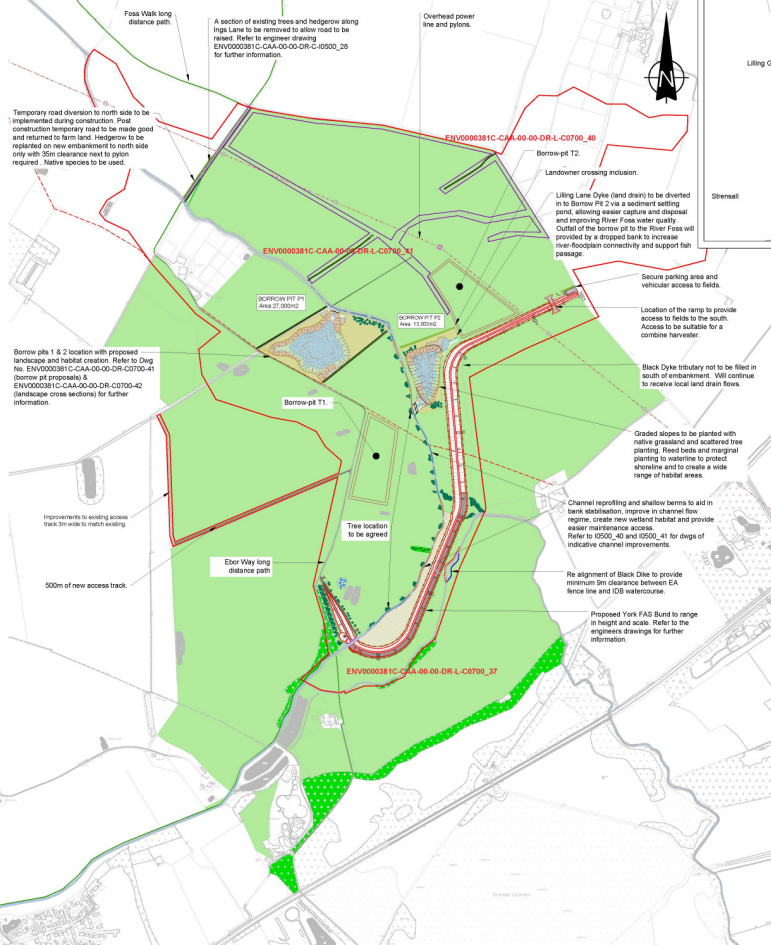
- Hard surface - tarmac/grassed stone
- Fencing

**Environmental Mitigation**

- Existing hedge line. See annotations for details
- Proposed hedge line to be planted using native species
- Proposed feathered tree planting to compensate for trees lost across the project
- Species rich grassland
- Shrubs - natural regeneration
- Marginal planting
- Marsh Grassland
- Road translocation
- Wetland Grass Mix
- Wetland
- Embankment
- Road / hedge/ path to be rebed / linked / Outlet
- Buffer strip for conservation / hedgerows

**Notes**

- All proposed alignments up to date as of 08/02/2020
- All proposals are to be subject to utility checks



**Scale 1:2000**

**West Lilling**

**Lilling Green**

**Flaxton**

**Strensall**

**Strensall Common**

**Landscape Principles & Ecology Notes**

**Marsh and Reed areas with shallow pools, some of which will dry out in summer**

Marsh formed in this area will create scrub and wet grassland growing down to the larger drainage points. This will create a habitat for a diverse range of invertebrate and amphibian, following the existing natural pattern, much silt will be removed during the works. The drainage to the pools will provide an amphibian and invertebrate habitat. The area is intended to create a shallow margin to all pools to encourage silt to settle and to provide a habitat for a diverse range of plants and animals. This area will provide excellent cover for nesting birds and other wildlife.

**Wetland areas with marginal habitat**

The adjacent areas will provide for more open water for the river. Aquatic vegetation has been removed through to the pool and this will create a habitat for a diverse range of plants and animals. The area is intended to create a shallow margin to all pools to encourage silt to settle and to provide a habitat for a diverse range of plants and animals. This area will provide excellent cover for nesting birds and other wildlife.

**Wetland Features**

Techniques for bank diversification include bank reprofiling and bays changes in vegetation management and hedging regimes.

**Bank Diversification**

Techniques for bank diversification include bank reprofiling and bays changes in vegetation management and hedging regimes.

**Mitigation**

Mitigation measures for effects on habitats and species include:

- Compensatory habitat creation for any habitat lost.
- The retention and protection of wildlife habitats, the encouragement of biodiversity and healthy rivers.
- Mitigation against disturbance to flora and habitat during construction.
- To create a sustainable balance between the necessary flood defence and allow ecosystems to flourish in situ.

**Woodland - Broadleaved and Coniferous, Hedgerow, Hedgerow**

Removal of trees and hedgerow will be carried out in accordance with the requirements of the Environmental Protection Act 1990. Any trees to be removed, these should be replaced with suitable species of native trees and shrubs. Hedgerow should be replaced with suitable species of native trees and shrubs.

**Soil and Ground Mitigation**

Soil and ground will be protected from erosion and degradation during construction. Inspecting these systems through removal or disruption would cause a net loss of biodiversity and reduce the habitat opportunities for protected species across the site. Replacement or replacement of any habitats which are degraded or lost with native species of local provenance.

**Avic and Invertebrate Guilds**

Avic and Invertebrate Guilds

Fully restore any grazed habitats which are lost and/or degraded during construction.

**Species Mitigation**

All measures to avoid and/or mitigate impacts on protected species are outlined in the Environmental Statement.

**River and Channel Mitigation**

Generally increasing cover and sheltering opportunities within the channel and outer areas of the river will benefit the river. This may include bankside revegetation, avoiding increasing bank erosion or additional silt.

The most effective methods of increasing in channel biodiversity is by the reconstruction of bankside cover and the creation of aquatic habitats in order to create microhabitats.

**SAFETY, HEALTH AND ENVIRONMENTAL INFORMATION**

**CONSTRUCTION**

**MAINTENANCE / CLEANING**

**DECOMMISSIONING / DEMOLITION**

**REFERENCE DRAWINGS AND DOCUMENTS:**

- ENV000381C-CAA-00-00-DR-L-C0700\_36
- ENV000381C-CAA-00-00-DR-L-C0700\_37
- ENV000381C-CAA-00-00-DR-L-C0700\_40
- ENV000381C-CAA-00-00-DR-L-C0700\_41
- ENV000381C-CAA-00-00-DR-L-C0700\_42

**GENERAL NOTE:**

After engineering soils have been removed from the adjacent bank of the River Foss the borrow pits will be modified and silted to improve and integrate better into the surrounding landscape. The water levels of the borrow pits will depend on the amount of silt brought in during the bank. This will only be known when construction begins.

The depth of the water bodies will be determined by the final construction design. The water levels should be linked to the surrounding groundwater levels and average water levels of the River Foss. Seasonal variations are likely to occur and this will also impact on the rights to the borrow pits from the River Foss. The water level will be used at the maximum height of the river in flood.

**Planning Application**

**Public**

**RIVER FOSS FLOOD STORAGE AREA**

**LANDSCAPE MASTERPLAN**

**Scale 1:2000**

**Scale 1:5000**

**Drawn**

**Checked**

**Approved**

**DS DS DS DS**

**Project No:** C0502480

**Date:** 11/02/2020

**Project Title:** RIVER FOSS FLOOD STORAGE AREA

**Client:** CAPITA

**Project Location:** RIVER FOSS FLOOD STORAGE AREA

**Project Reference:** ENV000381C-CAA-00-00-DR-L-C0700\_36

**Project File:** P16

**CAPITA**

**Road Estate and Infrastructure**

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**Capita Property and Infrastructure Ltd**

Date Valid 12/02/2020

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**REVISED PLAN**