

Method statement for deculverting and new channel works.

Harts Farm Way

Version 2

Works to be completed in accordance with drawing 13075101/JED and 13075102/JED

Tree works/vegetation clearance:

- Vegetation to be cleared to allow access to excavate new channel.
- Petrol powered trimmers, brushcutters and chainsaws to be used by trained operatives.
- Any specialist sub contractors are to be fully briefed by the site manager, with their attention drawn to the bird nesting laws, tree protection measures (BS 5837:2012)
- Cleared brush and wood material to be chipped and deposited off site by a licensed waste carrier.

Over pumping existing channel

- Removal of the culverted section will require overpumping.
- A 6" pump with drip tray to be installed on hard standing at least 10m away from the watercourse and water pumped over ground into the channel at the downstream edge of the site boundary.
- A bund of suitably cohesive site won material to be placed upstream in the old channel to block flows through the old channel.

Emergency Arrangements.

- During overpumping works 2x designated team members will be required to be 'on call' 24hrs a day, 7 days a week to attend to the pump.
- In high flow events attendants need to be ready to switch off and secure the pump and reconnect the existing channel to allow the high flow event to pass through the site safely.

New channel creation and deculverting

- A bund of material at the upstream extent of the new channel to be retained whilst the rest of the new channel is excavated as per drawing 13075101 Proposed Plan view V5.
- Route of new channel to be marked out and all concrete and tarmac to be excavated and stockpiled on site to be disposed of by a licensed waste carrier.
- All topsoil to be excavated and stockpiled.
- Channel marked out and excavated as per drawings.
- Soil and gravel materials to be stockpiled close to existing channel. Excavated materials to be used for infilling the old channel.
- If required channel will need to be over dug by up to 300mm and site won gravel used to dress the new bed and create the 2 stage channel.
- Excavator to excavate/ break out the existing concrete culvert and break it into manageable pieces to be taken off site by licensed waste carrier.
- When the new channel excavations are complete Environment Agency approved sedimats and straw bales installed at the down stream extent of the new channel as a pollution prevention measure.
- Upstream water flows to be altered and the flow of the existing channel directed down the new channel by removing the bund.

- Team of specialists on site to rescue any species remaining in the old channel and transfer them to the new channel.
- A bund of cohesive site won soils and clays to be placed at the upstream extent of the old channel.
- Final adjustments to the new channel including the installation of gravel riffles to be completed following the introduction of water into the new channel.
- Gravel riffles to be placed in channel as per drawings.
- New bank profile to be redressed with site won/ imported topsoil and hand raked to finish.
- Sediments and bales removed from river and removed from site by licensed waste carrier.

Existing channel

- A perforated drainage pipe to be installed along the length of the existing channel and then back filled with stockpiled site won material.

Seeding and Planting

- New river channel corridor and buffer zone to be seeded with approved seed mix and planted with native plant species.
- Seed mix to contain a minimum 10% UK wildflower seeds.
- Plants to be native UK seed stock and planted in stands of 24 plants along the river corridor (see drawing for species list).