

BAA.2050 Radcliffe and Redvales FRMS Phase 2

Dust, Debris & Spill Mitigation for EA works at Hutchinson's Goit

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1. Introduction

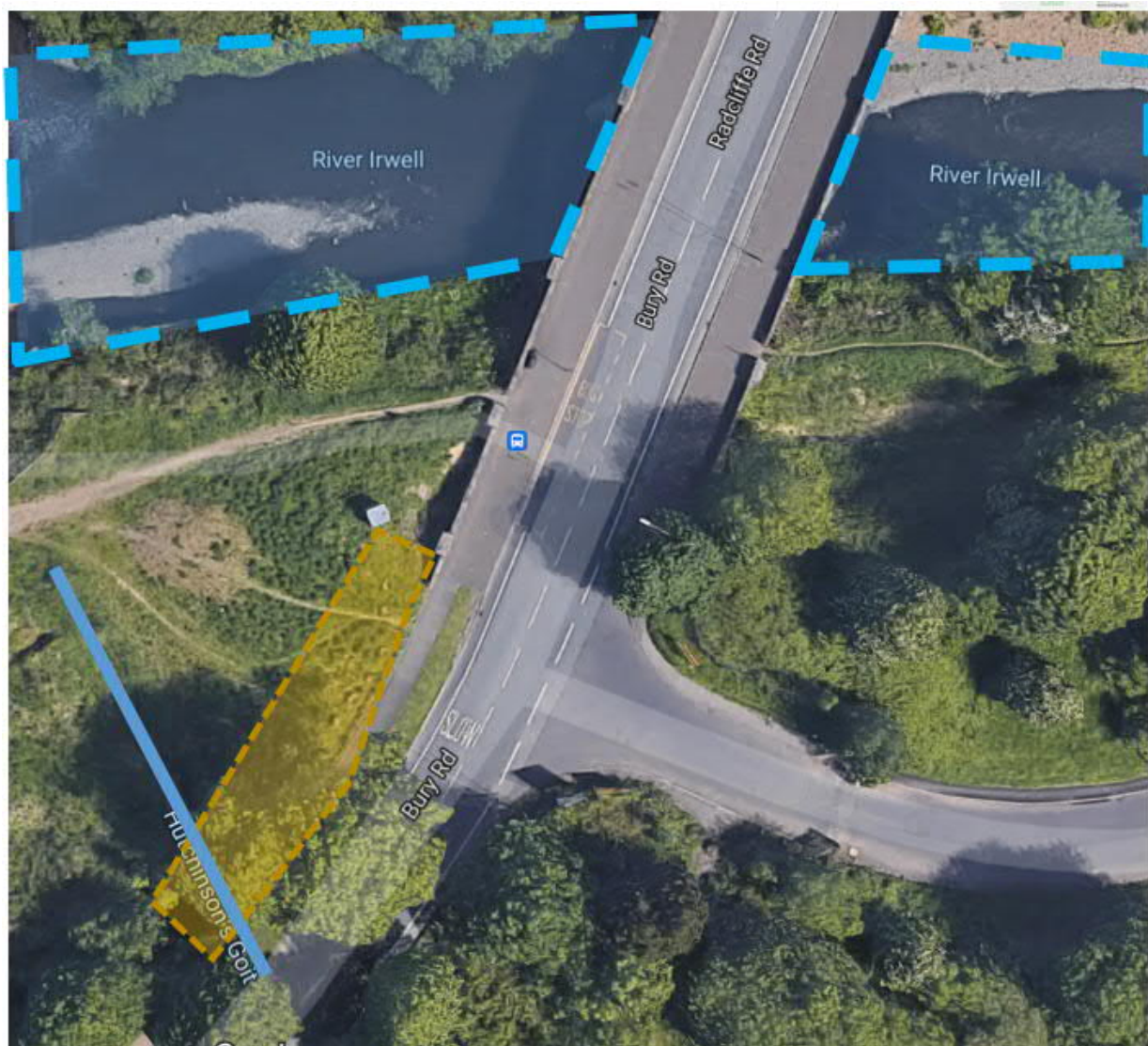
The main project is to construct new flood defences along sections of the River Irwell in the Radcliffe and Redvales area. As part of the project a new area of earthworks defence is required to prevent overspill onto Warth Bridge which would result in flooding behind the defences.

2. Purpose of the report

As part of the planning application, pre commencement conditions have been imposed and the following conditions have been applied

“No development, site clearance, earth moving shall take place or material or machinery brought on site until a method statement to protect the River Irwell and Hutchinsons Goit from accidental spillages, dust and debris has been supplied to and agreed by the LPA. All measure will be implemented and maintained for the duration of the construction period in accordance with the approved details.”

3.0 Location of the Project



- Works Area Shaded in yellow
- Hutchinson Goit as Blue Line
- River Irwell as Blue Dashed area

4.0 Project Design

The project design involves localised ground raising and creation of a low level raised earth bund to match the sheet piled flood defences on the East Side of Warth Bridge. In an extreme weather event this bund will prevent water flooding onto Warth Bridge/Bury Road and flooding behind the piled walls.

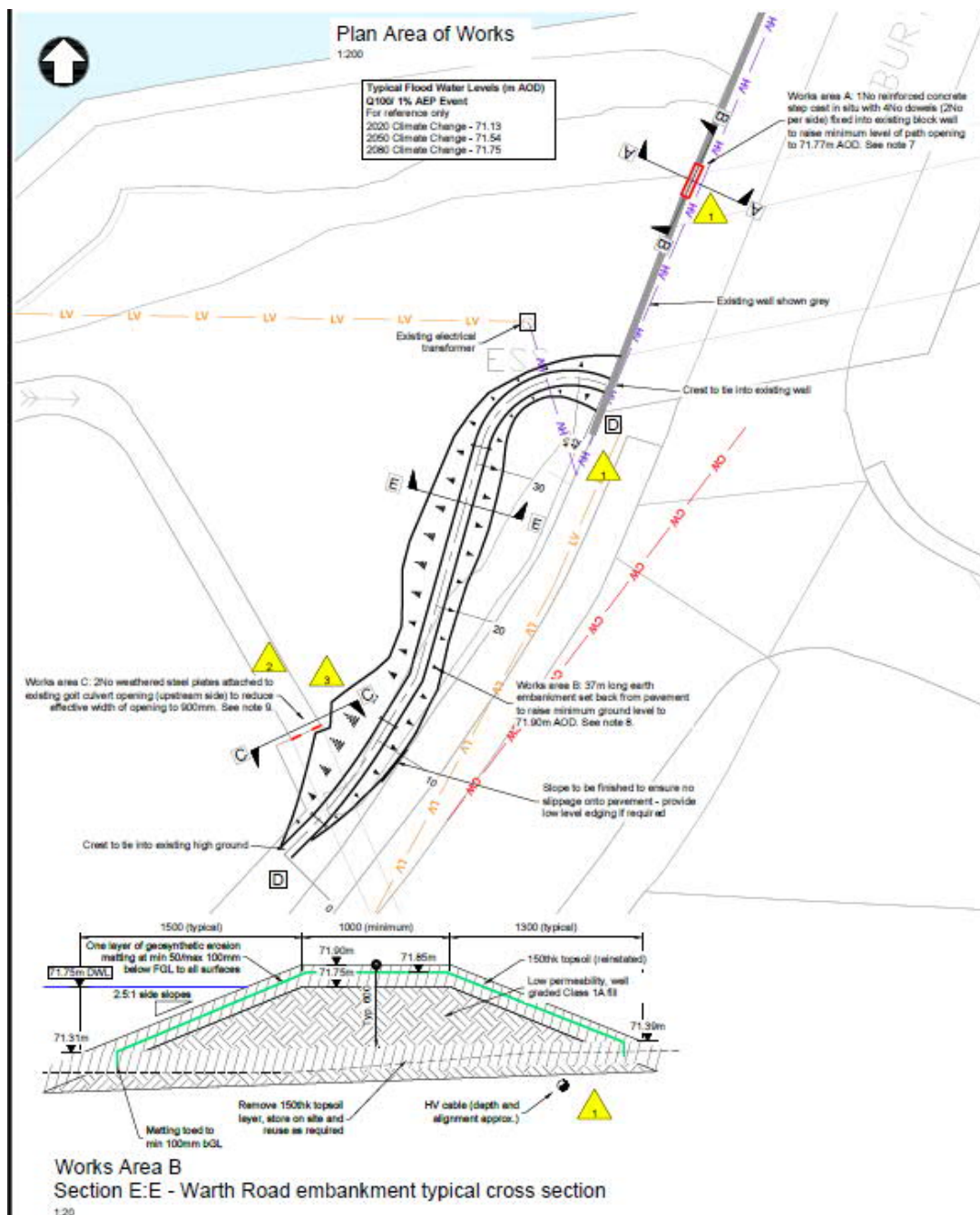
Works will be carried out to narrow the Hutchinsons Goit Culvert opening to “throttle” flow from Hutchinson Goit towards Radcliffe. This will involve carrying out vegetation strip to a small area of verge either side of the channel to create access and a safe working area for the culvert works.

There will not be any requirement for direct excavation of the goit banks or bed.

The raised bund/ground reprofiling will be created by doing a strip of the existing topsoil which will be retained on site to be replaced on the new raised ground.

The raised earth will be built by importing a granular material which will be placed by 360 excavator and compacted in layers.

The topsoil will then be returned to cover this area which will be reinstated with a suitable seed mix.



5.0 Mitigation for Dust, Debris & Spills

5.1 Dust

With current seasonal working the risk of dust hazards will be very low. The creation of dust will be monitored during the works. If required a water bowser with spray will be positioned on site for dust suppression.

5.2 Debris

Roads – During the period of importing materials a road sweeper will be employed to ensure the roads and footpaths are kept clean.

As part of bio-security for invasive species all plant and footwear will be cleaned off before crossing public footpath and highways.

Watercourses – Before works begin a barrier will be placed to prevent any debris from site rolling into Hutchinson Goit or the River Irwell.

Works on or over the goit will be on a boarded out platform with edge protection and edge boards. The platform will be boarded out to prevent any debris from the works falling into the goit. After the works are completed the platform will be cleaned of debris before dismantling.

5.3 Spills

All plant will be inspected for leaks as part of daily checks

All plant will be monitored during the day for signs of leaks.

All Plant will be removed from site at the end of each shift

No Plant will be re-fuelled on site

Small plant will be positioned on plant nappy when not in use

A large Spill Kit (wheelie bin) will be located on site

In the event of a spill any Spill kit used and surrounded contaminated earth will be removed from site.

Spills will be prevented from reaching the watercourses with absorbant booms, pads and granules.

Pollution incident!

