

Noise, Air Quality & Contaminated Land Gloucester Railway Triangle

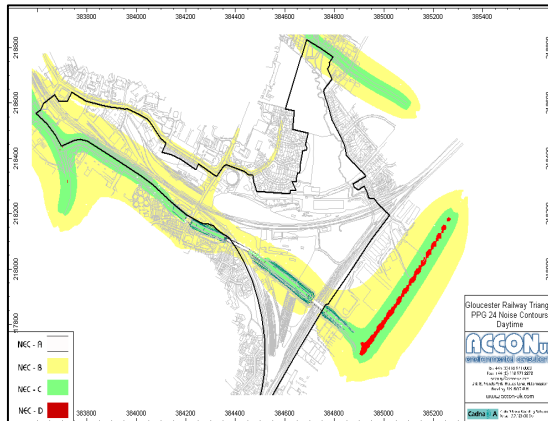


Appointed by GVA Grimley for Gloucester Heritage Urban Regeneration Company (GHURC), ACCON UK have carried out comprehensive assessments for noise, air quality and contaminated land for the Masterplan in relation to the redevelopment of the Greater Railway Triangle Area.

The completed Masterplan will serve a vital function in promoting the regeneration of an extensive area on the eastern periphery of Gloucester City Centre and has informed the submissions for a detailed strategy for the development of this derelict land owned by Network Rail.

The purpose of the assessments was to determine to what extent noise, air quality and contaminated land issues constrained the proposed residential development of the site.

The extensive noise assessment undertaken assessed both road traffic and railway noise and to what extent noise constrains residential development of the site, with both noise sources modelled together in CadnaA. A variety of mitigation options were reviewed to determine how additional land could be brought forward for residential development whilst maintaining a high quality environment.



The detailed air quality study assessed the overall levels of hydrocarbons, nitrogen dioxide (NO₂) and particulates (PM₁₀) in the vicinity of the site. Air pollution modelling indicated that air quality limits would not be exceeded or constrain residential development.



As the Railway Triangle was historically used for various industrial and rail uses a contaminated land phase 1 study and site decontamination cost study was also carried out.