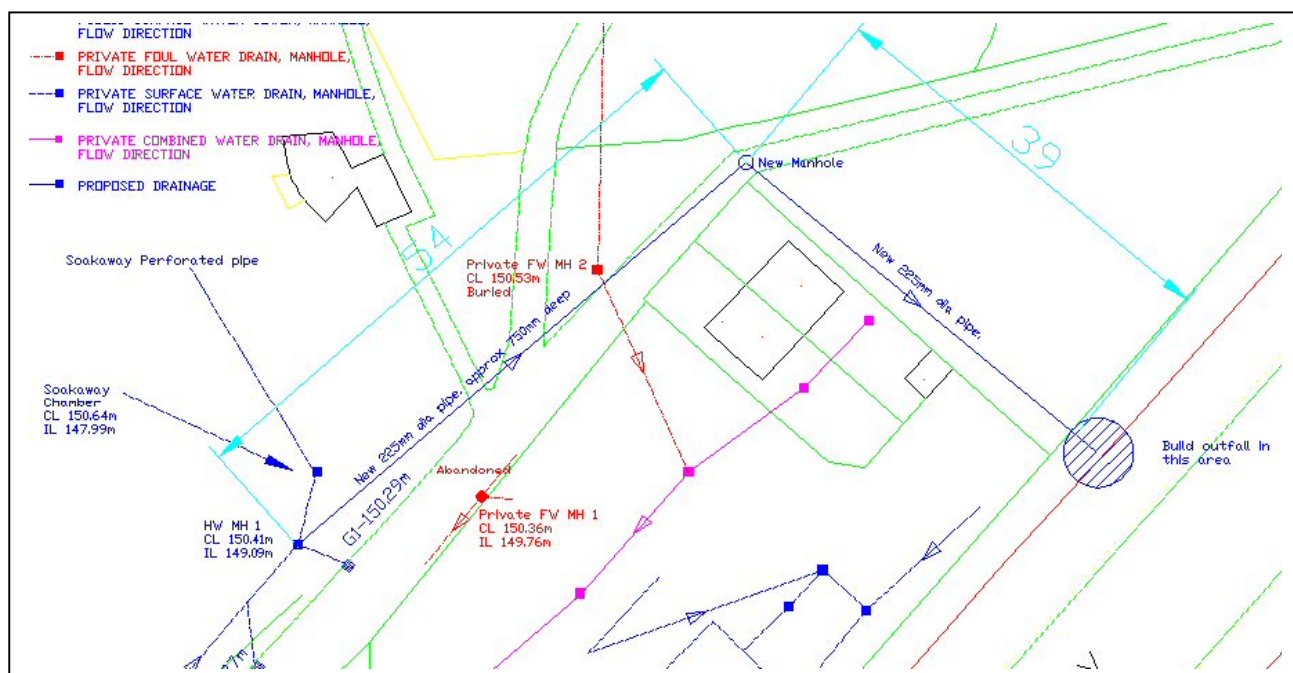


## Scheme, Access road flooding, investigation, design and deliver solution.



This access road to a NHS Trust Clinic suffered from flooding due to water coming up out of the road gullies. We discovered this was due to the original collapsed connection to a railway drain being replaced by a soakaway. After a few years the soakaway had become inundated so water from higher ground could only find its way up and out of these gullies. New building work meant it was no longer possible to repair the old pipe. The flooding was dangerous for vehicles and pedestrian getting to and from the clinic, particularly in the winter.



Following a full investigation I proposed several solutions, and after consultation with all stakeholders it was decided to make a direct connection to the old drain at the top of the railway embankment, if we could find it! If not we have to construct an outfall to the abandoned railway. I produced a detailed scheme drawing, specification document and a schedule of rates to quote against. I was then asked to fully supervise the work of the successful contractor, we laid 95m of new drain, found the old drain and made a connection, building an new manhole on the junction. The scheme was finished ahead of schedule, on budget, and there have been no flooding incidents since.