

# Young Technical Services

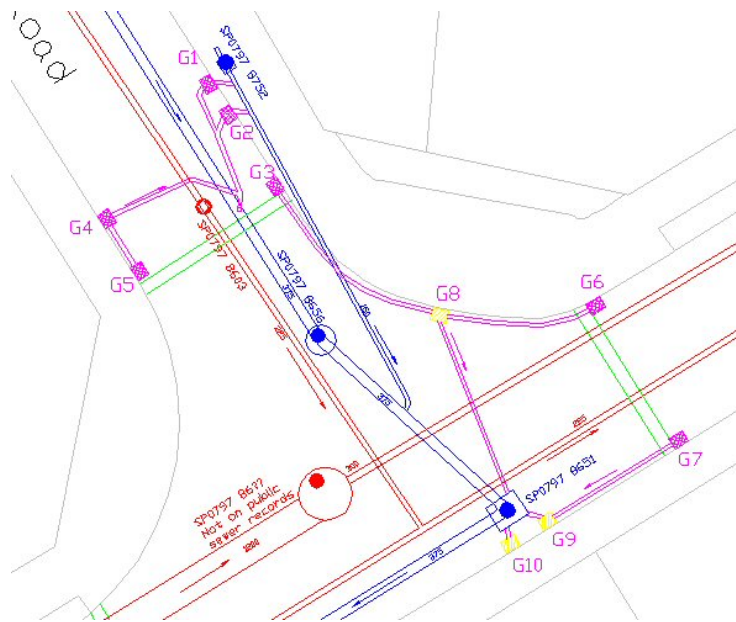
## Scheme, Property flooding, survey, investigation, and solution.



YTS were commissioned to investigate the cause of the flooding to properties adjacent to a road junction that had been modified to incorporate a traffic calming speed table. During the construction of the table the highway drainage had been modified. However there was also evidence that the public sewers had surcharged so it was unclear what the actual cause of the problem was. We investigated all the road gullies and public sewers in the immediate area and also looked at the wider area for other issues that could impact of the amount of storm water runoff.



We used our confined spaces expertise to survey the public sewer system and take levels in this overflow chamber. We then related these levels to downstream manholes and gullies to enable us to fully understand the entire drainage system.



We identified the catchment areas that drain to problem area. This enabled us to predict run off and highlight deficiencies in the highway drainage system. It also enabled us to evaluate the potential impact of the public sewer system should all the highway runoff be effectively drained. The report and drawings were circulated to allow all parties to arrive at a "joined up approach" and informed solution.

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