
Drainage Design

MSJ have undertaken drainage designs on numerous industrial, commercial and residential developments.

Many of the schemes we have designed have involved the use of Sustainable Urban Drainage Systems (SUDS).

Our schemes have incorporated: -

- Attenuation ponds
- Soakaways
- Filter strips
- Permeable surfacing
- Underground attenuation tanks
- Swales
- Rainwater harvesting
- Green roofs

MSJ use Microdrainage software that enables us to efficiently design these elements and also assists us with calculating green and brownfield run-off rates. We are able to simulate flow through a drainage network to check potential for flooding, and to calculate flood volumes in the event of failure.

MSJ have designed drainage schemes for adoption under Section 104 Agreements and also schemes designed to comply with the Code for Sustainable Homes.

In addition to surface water drainage MSJ design foul drainage systems including pumped systems.

MSJ have also prepared flood risk assessments and prepared drainage strategies to assist in planning applications.

