

Drainage design is offered as part of a complete site development package, incorporating all other civil and structural elements, or as a standalone appointment.

WML Consulting incorporates in house speciality in the development and design of drainage solutions for both the public and private sectors covering adopted and none adopted systems. Our comprehensive service includes the following to take your scheme from inception to completion

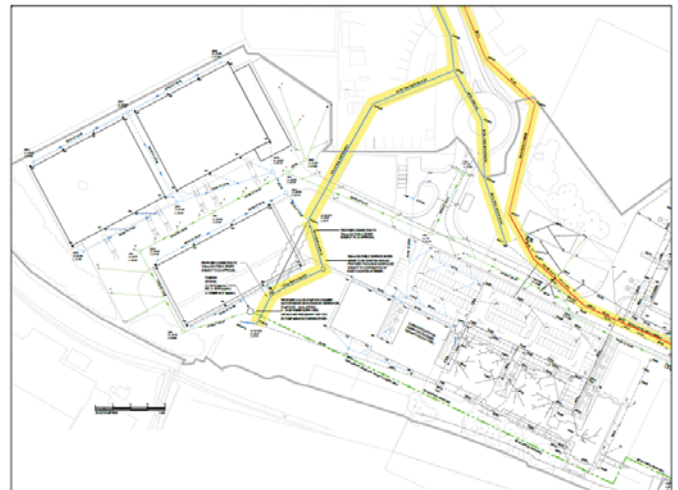
- Initial site review and investigation of existing systems/ potential drainage solutions
- Provision of Flood Risk Assessments in compliance with the requirements of the National Planning Policy Framework.
- Design of gravity/pumped drainage schemes ranging in size from single properties to housing / industrial estates, both adopted and unadopted
- Incorporation of rainwater harvesting to meet the Clients requirements / to suit Code for Sustainable Homes Accreditation
- Design and detailing of attenuation tanks and ponds
- Design and detailing of source control measures such as permeable paving and surface water soakaways
- Design of foul sewage systems remote from adopted sewer connections
- Application for consent to discharge from Sewerage Statutory Undertaker or Environment Agency as applicable
- Application to Sewerage Statutory Undertaker for adoption of works



Successfully completed schemes include:

- Kirklees College
£50m relocation of the existing Further Education College Campus to the landmark “Waterfront Quarter” redevelopment within the centre of Huddersfield. A complex drainage scheme across the steeply sloping site incorporated surface water attenuation and discharged to both canal outfall and to the public sewer. The foul drainage is a gravity system draining to a holding tank, from where waste water is pumped to discharge

into the public sewer. WML liaised with the development team, Environment Agency and British Waterways to negotiate and agree discharge limitation for the site.



- Loreto College, Manchester
£15m phased re-development to provide teaching facilities including a new build learning resource centre and refurbishment of other buildings. The last phase of the Loreto development was in a very congested part of the site with heavily restricted vehicular access. The complex drainage scheme had to collect existing surface and foul flows from several sources from the existing development prior to discharge into the Public Sewer. The surface water was attenuated by below ground storage cells prior to restricted discharge.

- Ecclestone Way, Handforth
The redevelopment of a brownfield site to provide new low rise shared ownership accommodation with associated external works and parking, the scheme obtaining accreditation to Code for Sustainable Home Level 4. Services included drainage scheme feasibility review, provision of Flood Risk Assessment, drainage scheme design incorporating rainwater harvesting and underground attenuation prior to restricted discharge.

