



# Infrastructure Planning & Flood Risk

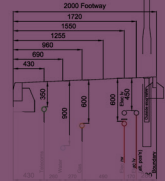
Our Drainage & Utilities Teams provide support to clients through all stages of the planning process, from preliminary site appraisal and pre app, through to discharge of conditions or, when necessary, planning appeals. We deliver results for our clients that conform with local and national policy, working within the complex constraints related to the NPPF & Water Industry Acts and maximising opportunities for sustainable solutions. We operate for both public and private sector organisations across a wide range of project types and development land uses.

## Flood Risk / Drainage

- > National Planning Policy Framework (NPPF) Compliant Flood Risk Assessments
- > Surface Water Management Plans
- > Flood Attention Schemes
- > Overland Flow routing
- > Specifically Related Environmental Assessment Input
- > Water Pollution Mitigation Assessments
- > Surface Water Drainage Strategies incorporating Sustainable Urban Drainage Systems (SuDS)
- > Foul Drainage Strategies
- > Drainage Verification Reports
- > Due Diligence review of flood risk assessments and drainage designs produced by others

### Legend

- PROPOSED LOW VOLTAGE ELECTRICITY
- PROPOSED GAS MAIN
- PROPOSED WATER MAIN
- PROPOSED BT
- PROPOSED PRIVATE WATER MAIN
- DUCTS FOR PRIVATE / CAR PARK LIGHTING
- EV CHARGING POINT AND FEEDER PILLAR



Typical section thru footpath showing proposed services

# Utility Strategies

All HV and LV routes shown are subject to confirmation by SSE



## Utility Strategies

In the planning process we ensure vital factors are considered which include: protecting the environment within the Water Cycle, climate change associated flooding and sustainable use of natural resources.

Pollution prevention and the need to recharge local ground water and watercourses in a sustainable manner, water supply and foul drainage disposal and recycling all need to be examined carefully.

C & A can provide the following support with regards to services and utilities.

- > On-site utilities searches
- > Preliminary services / utility appraisals
- > Off-site capacity checks
- > Preliminary cost estimates
- > Water supply requisition support

