



Experience Summary

Dan is Director of Civil Engineering at Civilistix Consulting Engineers and is responsible for day to day project delivery, business development and project management.

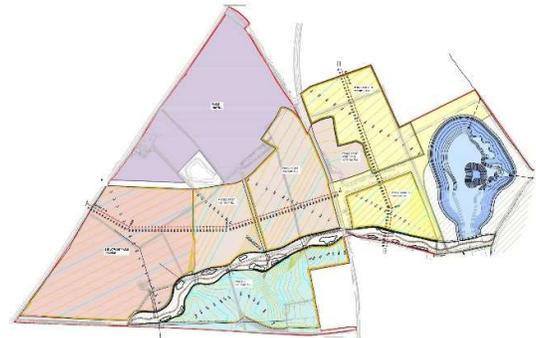
Dan is a chartered engineer with 15 years' experience leading infrastructure on an extensive and diverse portfolio of projects from initial planning and feasibility through to detailed design and construction and has a broad range of project management, planning and technical experience. This includes private and adoptable drainage design, hydraulic network analysis, development of SuDS Drainage Strategies and Flood Risk Assessments, ground modelling, external level design and all aspects of highway engineering including junction design, preparing pavement specifications, vertical/horizontal alignments and swept path analysis.

Dan regularly undertakes value engineering and design reviews to ensure all outputs are fit for purpose and tailored to the client's overall objective.

Dan has sat on Local Council SuDS steering groups and has extensive experience of the planning process in relation to civil engineering works including negotiating clients' interests with third party technical and non-technical stakeholders such as the Lead Local Flood Authority (LLFA), Environment Agency (EA), Local Councils, Councillors, Sewerage undertakers, Highways and the Public.

Chapel Lane, Bingham (The Crown Estate) - 90ha Mixed Use 1,050 Unit Development

Responsible for delivering all earthwork design as well as detailed surface water and foul water drainage infrastructure for this 1,050 mixed unit development. Involved heavy discussion with all stakeholders including the LLFA, sewerage undertaker, Highways and client to deliver a robust attenuation and earthworks design.

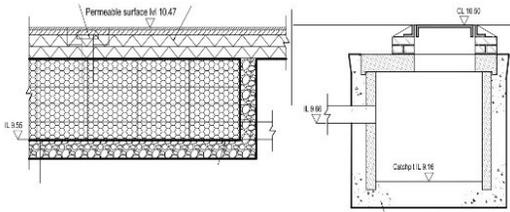


Sandy Highways Depot, Bedfordshire (Morgan Sindall) – Highways and Maintenance Depot

Project lead for providing a highways depot incorporating vehicle maintenance, service yard and car parking areas from feasibility through to construction (RIBA Stages 1-6). Work included agreeing a trade effluent license, IDB Watercourse connection consent and a fully integrated SuDS drainage solution utilising 3 treatment stages including attenuation basin, swale and permeable paving.

Northstowe Education Campus, Cambridgeshire (Kier Eastern) - 15ha Education Campus

Led civils design for this +£30m Education Campus incorporating permeable paving, filter strips, service yard and car parking areas and positively drained sports pitches facilities. A full levels / cut and fill assessment was initially carried out to help optimize development and access proposals.

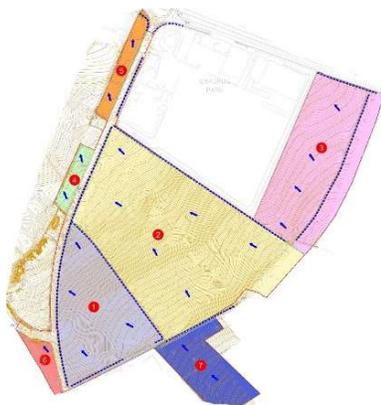


Histon and Impington Junior School Expansion, Cambridgeshire (Kier) – Full Civils Design Package

Led civils drainage and hardstanding design between RIBA stages 2-6. My work included incorporating permeable paving, geocell, and swales as part of drainage proposals and releveling existing playing fields to provide sufficient flood exceedance routing.

West Cambridge Densification, Cambridgeshire (University of Cambridge) - 60ha Prestigious R&D Expansion

Prepared a site wide detailed Flood Risk Assessment (FRA) including hydraulically modelling all existing drainage infrastructure. My design included a new 2,000m³ storage basin, widening of 300m length of drainage canal, various geo-cellular storage and lowering of an existing flow control to achieve an additional 9000m³ of storage from an existing lake.

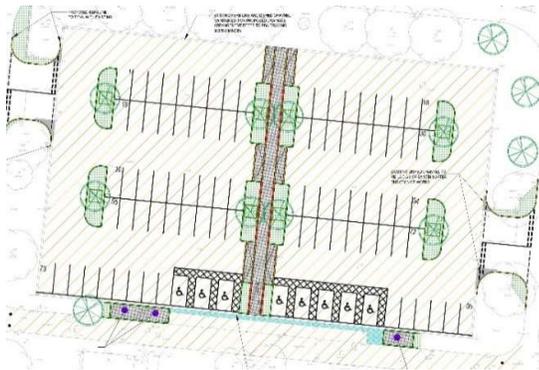
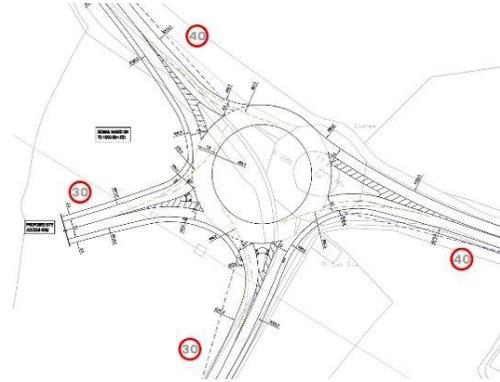


Bearscroft Farm, Godmanchester (The Fairfield Partnership) – 1,200 Unit Mixed Use Development

Prepared the detailed on and offsite highway design packages for S278/S38 technical approval. Included a mix of junctions including roundabout, signalised and simple priority junction types as well as design of toucan crossings and other traffic calming measures. I also agreed a TRO to reduce speed limit from 50mph to 30mph.

Speculative Land Development, Hatfield (GCE) - Access Optioneering

Prepared detailed junction arrangements including roundabouts, ghost island and simple priority T-junctions to understand potential development constraints and costs involved with providing vehicular accessibility to site prior to potential land purchase.

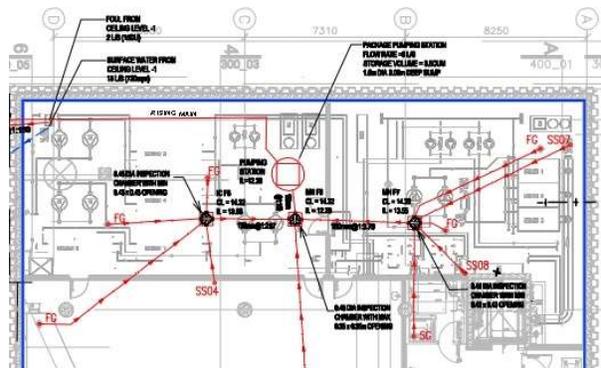


Papworth Hospital, Waterbeach (Urban & Civic) - External Realm and Car Park Improvements

Responsible for undertaking the upgrade of the external hardstanding realm at Papworth hospital, including provision of a 125-space car park. Work included tracking assessment, value engineered pavement upgrade designs utilising as much as the existing surfacing as possible and a proposed SuDS drainage strategy preventing the requirement for oil bypass separators.

Wigmore Street, London (The Howard Walden Estate) – Existing Building Refurbishment / Improvements

Prepared full basement drainage upgrade design for a large constrained existing basement space. Proposals included 2no pump stations, implementation of cavity sump pumps and provision of additional stub stack locations and gullies supporting refurbishment proposals. Design was carried out closely working within existing constraints.



Chequers Court, Huntingdon (Barber Casanovas Ruffles) - Shopping centre upgrade

Prepared full private and adoptable drainage and hardstanding design to support shopping centre redevelopment proposals. Designs included refurbished service yard and significant reduction to existing runoff rates via implementation of attenuation storage. Design work was carried out working within existing constraints and layout creating sensitive construction phasing requirements.