



## Rob Ward CV

Awcock Ward Partnership  
Kensington Court  
Pynes Hill  
Exeter  
EX2 5TY  
Tel: 01392 409007  
[www.awpexeter.com](http://www.awpexeter.com)

### Summary

Rob is a founding Director of Awcock Ward Partnership (AWP), a regional civil engineering consultancy providing development planning and infrastructure services to developers and house builders primarily across the south west of the UK.



Although Rob has overall responsibility for the financial performance of AWP, he maintains a hands-on approach and acts as Project Director on a number of commissions. He has responsibility for Flood Risk Assessments undertaken to support planning applications for a variety of proposed developments and has acted as an Expert Witness on flooding and drainage issues. He has extensive UK and international experience of developing and delivering sustainable infrastructure schemes, focusing on flood risk management and sustainable drainage solutions in particular.

Rob has worked overseas on a number of large development projects predominantly in India, South East Asia and the Middle East and has gained extensive experience of providing sustainable infrastructure solutions to support developing masterplans. He has led multi-disciplinary teams providing transport, urban design, waste and sustainable energy strategies for proposed new cities and major urban redevelopment projects. When working overseas, Rob endeavours to work closely with clients, architects, masterplanners and local engineering consultant teams ensuring that international best practice is applied wherever possible in the developing designs.

### Qualifications

- B. Eng (Hons) in Civil Engineering
- Post-graduate Certificate in Engineering Management
- C. Eng - Chartered Engineer
- C. WEM - Chartered Water and Environmental Manager

### Professional Memberships

- FICE - Fellow of the Institution of Civil Engineers
- FCIWEM - Fellow of the Chartered Institution of Water and Environmental Managers

### Key skills

- Engineering input into developing masterplans
- Flood Risk Assessments
- Sustainable water management
- International experience of delivering sustainable infrastructure solutions
- Financial and commercial management
- Public consultation

<http://www.designreviewpanel.co.uk>



## **Awcock Ward Partnership (2012 – date)**

Since setting up AWP in 2012, Rob has led teams working on a wide variety of projects for a number of clients. The following is a brief overview of a selection of these projects:

### **Residential**

#### ***Yelland Quay, Devon***

Project Director for AWP input for a mixed use development on a 55ha former power station site coordinating flood risk, drainage, transport, and preliminary highway design to support outline planning application. The scheme included 250 dwellings, a 6,000m<sup>2</sup> maritime employment campus, a 10,000m<sup>2</sup> marine energy park and various ancillary development. Rob oversaw a detailed wave analysis on this exposed coastal location and liaised with the EA to secure their technical approval. Rob represented the client at a public consultation event.

#### ***Shudrick Lane, Ilminster, Somerset***

A residential development of up to 330 dwellings. Rob led detailed negotiations with the EA to secure their technical approval for a SuDS scheme which will significantly reduce the flood risk to the downstream catchment. Rob represented the client at a public consultation event.

### **Commercial**

#### ***Petroc College, Tiverton and Barnstaple Campuses, Devon***

Project Director for AWP input for four substantial new buildings on the two Petroc campuses. AWP were initially appointed to prepare a Flood Risk Assessment to support a new Science and Engineering Centre on the Tiverton campus. On the back of the successful delivery of this work we were subsequently appointed by Petroc to prepare transport, flood risk, drainage and preliminary highway design to support detailed planning applications for the Engineering and Lifestyle Centres proposed for the Barnstaple Campus.

#### ***Hitchcock's Business Park, Mid Devon***

Project Director for AWP input for proposed Business Park providing 12,000 sqm of B1, B2 and B8 on a rural brownfield site. Rob oversaw work to successfully secure detailed planning permission and subsequent detailed infrastructure design.

### **Retail**

#### ***Waitrose Torrington, Devon***

Oversaw production of FRA for new foodstore on brownfield site in North Devon. We developed a sustainable surface water strategy to drain the new store and car park to a series of soakaways. The removal of surface water flows from SWW's public sewer will result in a significant reduction in flooding from the combined sewer at the bottom of the catchment.

#### ***Devonshire Park, Torbay***

Led the AWP team to support an outline planning application for a large mixed use development on a 10 ha urban brownfield site in Torbay. The proposed development included approximately 250 dwellings, 5,500sqm B1/B8 and 8,500sqm retail floorspace.

## **WSP Group (2005 – 2012)**

### **Flood Risk Assessments**

Responsible for technical output of over 200 Flood Risk Assessments (FRA) while at WSP to support planning applications for a range of developments on brown and greenfield sites across south west England. The following are a selection of the more challenging schemes undertaken over the last few years where potential flood risk issues has been successfully resolved.

#### ***Locking Parklands, Weston-super-Mare, Somerset***

Oversaw masterplan and site specific FRAs for major mixed use development of 82ha disused RAF base at Weston-super-Mare. Prepared comprehensive sustainable drainage solution (SuDS) proposals for phased development concluding with an agreed surface water management plan integrated with masterplan of the whole site. Undertook extensive discussions with EA and IDB to secure detailed planning permissions for two initial phases. Gave flood risk evidence in 2011 at Examination in Public of North Somerset Council's Core Strategy.

#### ***Sutton Harbour, Plymouth***

Series of complicated FRAs for four new multi-storey mixed use redevelopments on quayside sites at Sutton Harbour, Plymouth. Detailed assessment of tidal flood risk including overtopping and wave analyses. Work included the production of a Flood Management Plan to mitigate the Environment Agency's concerns regarding these developments and discharge of Planning Conditions.

### **Development Planning**

#### ***North Somerset Urban Extension***

Led flood risk and infrastructure masterplanning work to support Broadway Malyan masterplan approximately 20,000 new houses in proposed urban extensions of south west Bristol and Weston-super-Mare.

#### ***Tiverton Road – Knowle Lane, Cullompton, Devon***

Project Director for planning support for 350 unit residential development of greenfield site. Subsequently Expert Witness for Planning Appeal challenging South West Water's inability to accommodate foul drainage from allocated site.

### **Development Infrastructure**

#### ***Tonedale Mill, Wellington, Somerset***

Led teams undertaking flood risk, transport, utility and environmental work to support a successful planning application for the redevelopment of listed mill buildings into mixed use scheme including 220 residential units. Subsequently undertook detailed design securing EA approval via Land Drainage Consents for flood alleviation works to protect the proposed development.

#### ***Avonmouth Wind Turbines, Bristol***

Project Director for pre-planning infrastructure design for three proposed wind turbine schemes to provide 30MW from 10 turbines in Avonmouth, Bristol.

## **International Projects**

### ***Jaypee City, Uttar Pradesh, India***

Led a WSP UK team working with SOM in masterplanning a new 2 million population, 2000ha city in India. Responsible for preparing sustainable infrastructure strategies to inform the developing masterplan as part of WSP team also providing urban planning, transport and sustainable energy strategies. During 3 months in India, led presentations to the client senior management team, and worked as part of an integrated project team of engineers, masterplanners and landscape architects.

Subsequently led team retained as client's advisor ensuring that technical work undertaken in preparing the more detailed 1:500 scale district plans reflected the sustainable strategies identified in the approved 1:2000 masterplan and detailed designs.

### ***FPT City, Da Nang, Vietnam***

Provided flood risk and surface water management advice to support the developing masterplan of the 180ha mixed use FPT City at Da Nang on the eastern coast of Vietnam. Reported and made presentations to client team outlining potential solutions to address joint probabilities of fluvial and tidal flood risks.

### ***Al Ghurair University, Dubai, UAE***

Project Director for UK team undertaking infrastructure design for proposed new 30ha university campus in Dubai to accommodate a student population of 15,000 students and staff.

### ***Megapolis City, Greater Noida, India***

Led a WSP UK / India team undertaking a hydrological study and flood risk assessment to support the developing masterplan of the 1000ha mixed use Megapolis City, an urban extension on the east of Greater Noida. Working closely with the client team and WSP India engineers assessed existing modes of fluvial and pluvial flooding for a masterplanned development that flooded badly in the 2010 monsoons. Developed a number of short term easily implementable and longer term sustainable water management strategies to enable the masterplan to develop in line with initial plans.

### ***Jumeirah Gardens, Dubai, UAE***

Worked as part of a large multi-national team project managing and co-ordinating the technical input of a number of design consultants appointed to undertake the infrastructure design for what was the world's largest urban regeneration project. During 3 months in Dubai, attended workshops and meetings with client and teams of engineers and masterplanners. The \$95billion, 1000ha mixed use project was programmed to have a 12 year build out to provide homes for 270,000 residents and a further 400,000 workers and shoppers each day.

### ***New Waterside City, Punjab, India***

Undertook preliminary Water Resource Management Study for a proposed new 1 million population city near Ludhiana, in northern India. The work was undertaken in conjunction with HOK looking to prepare a conceptual masterplan for a new city on the banks of the River Sutlej. The Sutlej is subject to extremes in flow; with very high water levels in the monsoon season and post-glacier melt and yet runs dry for long periods each year. During a week in India, undertook site inspections, site meetings and technical meetings with the client team, masterplanners and local government representatives.

## **Jacobs Babbie (1993 – 2005)**

### **Development Infrastructure**

#### ***Guernsey Airport Terminal***

Project Manager for outline and detailed civil, structural and M&E design of new £25M terminal building and associated infrastructure works. Terminal opened in March 2004.

Responsible for managing design teams undertaking structural, M&E, highway, traffic, drainage, environmental and geotechnical engineering. Oversaw team of infrastructure engineers preparing Transport Statement and detailed design of external works including a multi-modal interchange for the new terminal building. Led Babbie's negotiations with numerous statutory consultees. Single point of contact co-ordinating resolution of contractor's design queries during the two year construction period.

#### ***Hayle Harbour Redevelopment, Cornwall***

Responsible for delivery of Group input into Environmental Statement to support outline planning application. Managed teams preparing technical input including assessments of marine structures, harbour walls, traffic and transportation, coastal processes and environmental impacts - estimated capital cost: > £200M. Additional outline design work to support Harbour Revision Order.

#### ***Lemon Quay, Truro, Cornwall***

Project Manager for outline and detailed civil and structural design of urban regeneration works as part of major new retail development. Scheme included 90,000ft<sup>2</sup> two-storey Marks & Spencer department store, eight two-storey retail units, 400 space multi-storey car park, Public Realm improvements, bus station, bus depot and coach park on contaminated brown field site - contract value: £14.5M. M&S opened for trading 2002.

### **Waste Management**

Two years' experience responsible for waste management engineering projects across the UK co-ordinating multi-disciplinary teams based in regional offices.

#### ***West Sussex PFI Recycling and Waste Handling Contract***

Project Director for the outline and detailed civil, architectural, structural and M&E design and QS, Planning Supervisor and NEC Project Manager duties of 9 new waste management facilities for Viridor Waste Management. Facilities included Household Waste Recycling Centres, Transfer Stations and a Materials Recycling Facility. Estimated capital cost: £20M.

### **Hydrology and River Hydraulics Schemes**

Project Engineer for evaluation and detailed design of remedial works to a cascade of four raw water reservoirs at College near Falmouth, Cornwall. Remedial works designed to ensure safe discharge of the Probable Maximum Flood and removal of one reservoir from the Reservoirs Act for SWW. Engineer's Representative for contract.

### **Sewage Treatment and Sewerage Schemes**

Evaluation, outline and detailed design of improvements to sewerage system and sewage treatment works at Looe in Cornwall. Partnering scheme with South West Water (SWW) and MJ Gleeson. Capital budget approximately £3.2M.

## **Employment History**

### **Awcock Ward Partnership**

2012 - date

Founding Director of Awcock Ward Partnership (AWP), a regional civil engineering consultancy providing development planning and infrastructure services.

### **WSP Group**

2005 - 2012

Senior Technical Director leading teams working on UK and international development planning and infrastructure projects.

### **Jacobs Babtie (formerly Babtie Group)**

1993 - 2005

Various roles from Graduate Engineer to Technical Director working on a mixture of water engineering, waste management, building and development infrastructure projects.

### **Ian Howick Associates**

1991 - 1993

Graduate Engineer working for a small consulting engineering practice in East Devon on a variety of sewerage and flood alleviation schemes.

### **Gifford and Partners**

1987 - 1990

Assistant Engineer working on the Resident Engineer's staff supervising the construction of a series of viaducts, overbridges, underbridges and culverts on the North Devon Link Road (A361(T)). Contract value £26M.