

Statement of Expertise and Qualifications

Monarchs Quay, Kings Dock, Liverpool

Prepared on behalf of Monarchs Quay Holdings Ltd

3 November 2017

Contact details

Monarchs Quay Holdings Ltd

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KF ref: SW/er 491

- 1.1 YPG Developments Ltd has appointed a team of professional to undertake the EIA and prepare the necessary components of the ES. In accordance with the EIA Regs (2017), we set out below details of the team.

Air Quality

1.2 **Malcolm Walton (Technical Director)**

Malcolm holds a Bachelor of Science degree in Environmental Health and the Diploma in Acoustics and Noise Control. Malcolm is a Member of the Chartered Institute of Environmental Health and an Associate Member of the Institute of Acoustics. Malcolm joined Wardell Armstrong in September 2001 following 12 years working as an Environmental Health Officer in several local authorities responsible for the enforcement of environmental legislation and in particular air pollution and noise nuisance. Malcolm has experience in the technical co-ordination of environmental appraisal of large schemes to UK and international standards. Malcolm regularly carries out and co-ordinates noise and air quality assessment work associated with planning applications including EIA work and PPC permit application/compliance. He regularly acts as expert witness in planning inquiries in respect of noise, air quality and odour.

1.3 **Erin Zhang (Air Quality Scientist)**

Erin joined Wardell Armstrong in March 2016 as an Air Quality Scientist, after completing her MSc Environmental Monitoring, Modelling and Reconstruction at the University of Manchester. The majority of her work is carried out in support of planning applications and, therefore, she has experience of undertaking air quality assessments for a wide range of projects including residential developments, commercial developments and mixed-use developments. Erin has a good range of skills and knowledge of air quality modelling and monitoring through her involvement in air quality projects both as individual commissions and as part of Environmental Impact Assessments (EIAs).

Archaeology

1.4 **Ian Miller**

Ian Miller has more than 28 years' experience as a professional archaeologist and, after fulfilling the role of Senior Project Manager with Oxford Archaeology North for 13 years, was appointed Assistant Director with Salford Archaeology in 2015. He has been responsible for delivering a wide range of projects, including the production of archaeological assessments, heritage appraisals, cultural heritage chapters for environmental statements, conservation management plans, historic building surveys, evaluations, and excavations, in addition to providing consultancy advice to private developers, and various local authorities across Lancashire, Greater Manchester and Merseyside. He is also takes joint responsibility for delivering two modules of the current Archaeology and Geography honours degree at the University of Salford.

- 1.5 Ian has particular research interests in the industrialisation of north-west England. Between 2008-15, he led the Lancashire Textile Mills Survey, a strategic research project funded by English Heritage (now Historic England), which enabled Lancashire County Council to develop a long-term management strategy for historic textile sites. Building on the success of the survey, Ian is currently project managing a review of the historic textile mills across Greater Manchester, another strategic research project that is again being undertaken on behalf of Historic England. In recognition of his specialist expertise in this field, Ian was recently appointed by Historic England as the Co-Ordinator for the Post-Medieval Period as part of the North West Regional Research Framework. Ian is a Fellow of the Society of Antiquaries of London, and is a co-opted member of Council for the Association of Industrial Archaeology. He is currently co-editor of Industrial Archaeology Review, the national journal for the Association of Industrial Archaeology, and is also an elected member of the CBA North West Industrial Archaeology Panel. Most recently, Ian was invited to provide evidence to an All Party Parliamentary Group on the impact of the recent recession of industrial heritage

Ecology

1.6 **Jessica Mitchell BSc (Hons) MRICS**

Jess is proficient with ecological assessments including Phase 1 Habitat surveys to identify features of ecological value, recommendations for further survey work, appropriate enhancement and mitigation, Habitat Regulations Assessments, Environmental Statements, Construction Environmental Management Plans and Biodiversity Enhancement Management Plans in connection with planning applications.

- 1.7 Within her role she specialises in bats, and has a sound knowledge of legislation and planning policy for UK bat species. She successfully leads bat work at Smeeden Foreman and has obtained numerous European Protected Species Mitigation (EPSM) licences from Natural England for proposed development schemes which would impact on bats if mitigation were not in place.

- 1.8 Jess is also experienced in survey work for a range of species including birds, amphibians, reptiles, water vole and badger. Sites in which she has carried out assessments and surveys include a range of housing schemes, commercial developments, historic buildings, educational buildings and church renovations. Jess has acted as an Ecological Clerk of Works on a variety of projects for species including bats and birds.

Flood Risk and Drainage

1.9 **Matthew J Travis BSc (Hons), MSc, MCIWEM, C.WEM, CEnv, CSci**

Company Director

Flood Risk and Response: Over past twenty years Matthew has project managed over a thousand flood risk related studies for insurance disputes, planning applications, flood defence schemes and risk management across the UK and Europe. These studies have involved numerical modelling ranging from the creation of unsteady state 1d/2d hydraulic models for 1Km of river to reservoir flood studies, catchment flood modelling across Georgia and the financial risk modelling of production and equipment losses at an industrial facility to implement a cost effective flood defence and response strategy.

1.10 **Sustainable Drainage Systems: Matthew has reviewed and designed SuDS designs for residential developments, landfills, quarry's and managed drainage studies at industrial facilities. He has designed field pipe drainage systems to reduce the ponding of water at railway embankments, and carried out hydrological calculations for SuDS systems for highways runoff.**

Risk Management and Permitting: Carried out reviews and numerical water quality modelling studies for PPC applications across the UK. He has also undertaken stochastic risk modelling with regard to COMAH incidents and flooding to determine the chemical releases, associated contamination costs and appropriate mitigation methods and produced Pollution Incident Response plans for waste facilities.

1.11 **Planning Inquires: Over the last twenty years Matthew has been involved in over twenty planning inquiries, most recently presenting evidence for two inquiries recovered by the secretary of state on the matters of Flooding and Drainage. This has involved flood related issues for the proposed Calor Gas LNG Terminal at Canvey Island, motorway service stations at Kirk Deighton and Maidenhead, development within flood risk areas at Milton Keynes, and Faversham and the assessment of the effects of effluent discharges on shell fisheries within into Larne Loch, Belfast.**

1.12 **Richard Hughes BSc (Hons), MSc, MCIWEM**

Senior Hydrologist

Following the completion of a BSc (Hons) degree in Ocean Science at the University of Wales, Bangor in 1999, Richard went on to complete an MSc degree in Environmental Water Management at Cranfield University, Silsoe. Richard has now gained 14 years' experience of the fluvial and tidal environment in both regulatory and consultancy roles since initially joining the Environment Agency in 2002. Within this time, Richard has gained extensive experience of High and Low flow estimation, Hydraulics, Hydraulic modelling and Flood risk. Richard has a full understanding of the planning procedures in relation to flood risk and was an active member of the NRW flood duty rota. Richard is a member of the Chartered Institute of Water and Environmental Management (CIWEM).

1.13 Richard has experience of industry standard Hydrological methodologies (ie FEH Statistical and ReFH) as well as significant experience in 1D, 1D2D and 2D Fluvial and Tidal hydraulic modelling for a variety of projects including reservoir routing, scheme feasibility, regulatory flood mapping, Flood Risk/Consequences Assessments and low flow habitats assessments using recognised modelling software such as HEC RAS, ISIS and TuFLOW.

1.14 **Scott Dawson BSc (Hons) MSc MCIWEM**

Environmental Consultant

Scott is an experienced consultant with Enzygo for 4 years and started as a graduate Environmental Consultant, specialising in flood risk consulting and hydrology. Scott has handled more than 200 flood risk related projects of varying nature, including NPPF and TAN15 FRA/FCAs, Hydraulic Modelling reports, Flood risk scoping reports, Basement Impact Assessments and Hydrology Environmental Statements. Scott also has experience in producing Sequential/Exception Tests, Coastal Vulnerability Assessments and Geomorphology Assessments for river realignment work. Scott is also experienced with Flood Evacuation Management Plans primarily for a large UK holiday park company; an Enzygo product which aided the evacuation of a number of holiday parks on the east coast of the UK during the winter tidal storm events of 2013/2014.

1.15 In addition, Scott has contributed to a number of 1D hydraulic modelling projects and continues to develop as a skilled hydrologist within Enzygo. He also contributes to other sectors of the business in a technical role, having undertaken Phase 1 contamination site walkovers, noise/vibration surveys, borehole gas monitoring, reptile surveys and infiltration testing to facilitate SuDS design to BRE Digest 365 design standard. Scott is capable of producing technical reports on infiltration testing.

1.16 **Scott McLean BSc (Hons)**

Principal Engineer - Drainage

Scott Mclean has been working in the civil engineering industry since 1996 starting with Mott MacDonald (MM) as an Apprentice Engineer. Initially working on Water authority contracts with MM on the AMP contracts. Working up to Principle Designer status with Enzygo.

1.17 His primary focus throughout his career has always been piped fluid systems and for the last 12 years has been dedicated specifically to Foul and Surface Water Drainage design of private and public networks. These projects have ranged from small scale development sites, Land Drainage, minor and major highway drainage works, Rail drainage projects, waste management and contaminated drainage, and Large multidisciplinary projects like the new Wembley Stadium or the Olympic Park for the 2012 Games.

- 1.18 Scott has experience detailing both traditional drainage networks and sustainable drainage systems both for public and private development clients. This can include the design of private drainage systems and publicly adopted sewer networks.
- 1.19 In addition to his experience in drainage design Scott is NEBOSH certified in Construction safety and Environmental Management and is a Qualified Project Manager with the Association of Project Managers.

Heritage

1.20 **Katy Lightbody – MA(Hons) PGDip CHE MRTPI**

Katy is a Director in the Turley Heritage team. She is dual qualified in Planning and Conservation and has been a Chartered Town Planner since 2003 and an affiliate member of the Institute of Historic Building Conservation for 8 years. Katy joined Turley in 2010 and is responsible for advising both public and private sector clients on conservation of the historic environment. She has experience as an expert witness. Katy has visited the Site and the Study Area.

1.21 **Claire Easton – BA(Hons) MA MRTPI**

Claire is a Planner in the Turley Heritage Team. She has an MA in Town and Regional Planning and an MA in Cultural Heritage Management. She is a chartered member of the RTPI and has been working in the heritage sector since 2014. Claire joined Turley Heritage in 2015 and her work focusses on advising clients on development affecting the historic environment and completing detailed assessments of significance and impact for listed buildings, conservation areas, locally designated assets and registered parks and gardens. She has visited the Site and the Study Area.

Phase 1 Contamination

1.22 **Stuart Ellis - BSc (Hons), FGS**

Stuart graduated from Durham University with a 2:1 degree in Geology and is a Senior Geo-Environmental Consultant with E3P a multi-disciplinary Environmental Consultancy.

- 1.23 Stuart undertakes detailed Phase I and Phase II geo-environmental site assessments in order to assess the potential contaminated land risk as well as geotechnical constraints to proposed developments. In addition, Stuart has been involved in many high profile remediation schemes acting as Resident Engineer for E3P and has prepared several EIA chapters.

- 1.24 Previous project experience has included investigation, assessment and remediation of residential, high rise, commercial and industrial developments of varying complexity including greenfield land, former mill sites, chemical works and landfill sites.

Highways

1.25 **Matt Cleggett BEng (Hons), CFILT, MCIHT – Managing Director**

Matt is a Director of Vectio Consulting Limited with in excess of 17 years national and international experience in transport planning and highway design. He is a Chartered Fellow of the Institute of Logistics and Transportation and has acted as industry expert at various hearings and Inquiries. Matt is used to working with a wide variety of project teams, has sound commercial awareness and is driven to provide tailored client solutions. Matt's experience of working on large scale schemes from inception through to detailed design, along with having worked in both the public and private sector, affords him with the benefit of appreciating the needs of both private and public clients along with stakeholders.

- 1.26 Having work for public and private organisations over this period Matt has gained detailed experience in:

- Extensive experience in the preparation of Transport Assessments, Route Studies, Travel Plans and various other relevant documents for schemes from inception through to construction for various land uses;
- Highway Development Control services;
- Expertise and knowledge of junction and network modelling software including Junctions 9, Saturn, TRANSYT, and LINSIG;
- Feasibility design;
- Development of highway design mitigation schemes;
- Road Safety Auditing;
- Parking studies;
- Involvement in the preparation of Section 278 and 38 designs;
- Risk Management;
- Traffic surveys;
- Extensive knowledge and application of Local and National policy guidance;

Wind Assessment

1.27 **Dr Graeme A Flynn, PhD, M.Eng**

Graeme has more than 20 years' experience in aerodynamics and wind engineering, spanning the construction and aerospace industries, and specialises in design consultation and environmental impact assessment for wind effects. Prior to founding Urban Microclimate Ltd. he was Director of Microclimate at a large multi-disciplinary consultancy. Prior to this he spent over 10 years with a leading international wind consultancy, heading the company's wind microclimate and stadia group. This work included wind tunnel testing and desk-top studies on stadia, tall buildings, building complexes and masterplans. Projects covered the UK, Europe, the Middle East, the US and Asia, from initial design development through the planning process to detailed design, and included expert application of national Standards and compliance with best international practice.

Daylight, Sunlight and Overshadowing

1.28 **Dan Wade - Partner**

I am a Partner of Delva Patman Redler LLP, Chartered Building Surveyors and Design Consultants at Thavies Inn House, 3-4 Holborn Circus, London EC1N 2HA.

1.29 I graduated with a BTEC HND in Building Studies and Architectural Technology from London Southbank University in 1997. I have nineteen years' experience in the field of neighbourly matters specialising in Rights of Light, Daylight, Sunlight and Overshadowing.

I am currently a Partner of Delva Patman Redler LLP (DPR); I am responsible for the Management of the Computer Aided Design (CAD) Team, appointment of professional team members and development of the practice in terms of software development and training. I provide impartial advice to building developers or affected neighbouring owners/occupiers in relation to daylight, sunlight and overshadowing for planning purposes and advice relating to easements for Rights of Light dealing with common law interests.

1.30 I commenced my building surveying career with Delva Patman Associates in 1998 as a CAD Technician building accurate 3D digital simulation models, undertaking technical analytical assessments providing results for Rights of Light, Daylight and Sunlight reports. I was promoted to CAD Team Manager in 1999, where my role expanded to providing comprehensive reports to accompany planning applications. I was made an Associate in 2003 which increased my role to providing full Rights of Light advice, reporting direct to clients including negotiations with neighbouring owners.

1.31 In 2011 I joined the Behan Partnership Chartered Surveyors in the role as Associate before returning to the firm now known as Delva Patman Redler LLP in 2013 where I was promoted to Partner in 2015.

1.32 I have worked on numerous projects throughout my career ranging from small residential extensions to high profile large commercial projects requiring Environmental Impact Assessment. I have been involved in high profile cases such as “Midtown Ltd -v- City of London Real Property Co Ltd” and “Tamares [Vincent Square] Ltd -v- Fairpoint Properties [Vincent Square] Ltd” providing the technical analytical data for both. I also have experience on town regenerations centres and notable projects include:

- Victoria Square, Woking
- One New Change, Cheapside, London
- Dolphin Square, Weston Super Mare
- The Oracle, Reading
- Centrale Croydon
- Beechwood Cheltenham
- Whitgift Croydon
- Park Place, Croydon
- The Headrow Centre, Leeds

1.33 DPR have provided advice on these projects in various forms, for example an EIA assessment was undertaken for Victoria Square, Woking in 2013. Our role was to provide daylight and sunlight advice for the ES in terms of the impact on the local amenity for residential and sensitive receptors whilst considering the cumulative impact of other planned developments within the vicinity of the site in line with local planning policy adopting significance criteria to categorise the range of impacts.

1.34 I have visited the site and surrounding area for the purposes of the daylight, sunlight and overshadowing assessment.

Noise

1.35 **Richard Pennell, Director**

Position: Director at Environmental Noise Solutions Ltd (ENS), an acoustic consultancy specializing in environmental, architectural and building acoustics. ENS is a corporate member of the Association of Noise Consultants (ANC).

1.36 Qualifications: M.Sc. Environmental Engineering, B.Eng (hons) Mechanical Engineering, Diploma in Acoustics and Noise Control, Member of the Institute of Acoustics (MIOA).

- 1.37 Experience: Over 20 years experience in the field of acoustics including noise impact assessments for EIA and planning applications in the residential, commercial and leisure sectors. Preparation of hearing statements and proofs of evidence for planning appeals and expert witness representation at planning inquiries. Acoustic design for developments in the residential, education, commercial and leisure sectors.

Landscaping

- 1.38 **Simon Tugby - BA (Hons) BLA CMLI**
Chartered Member of the Landscape Institute

CAREER DETAILS ;

2015 - present	L A Y E R ; Landscape Architecture - Founding Director
2015 – 2004	Planit IE LLP - Principal Landscape Architect Present
2004 – 2002	Austin-Smith Lord Architects - Landscape Architect

- 1.39 UNDERSTANDING ;

Simon has been involved with numerous Landscape Architecture and Public Realm Strategies and developed an excellent understanding of how to co- ordinate site works within complex, phased construction projects.

Experienced in the production of all drawn project information, from the compilation of the initial sketch ideas, through to tender packages, production information, to works on site and monitoring.

Especially excelling in the Concept Design process and management of projects.

Planning

- 1.40 Knight Frank have advised on planning and submitted the planning application. This work has been led by Sophie Watkin (BA, MA, MRTPI) who has the following qualifications:

- BA MA (Hons) Geography – University of Cambridge
- MA Town & Regional Planning – University of Sheffield

- 1.41 Sophie, Partner, has 12 years' experience of providing planning and development advice.

- 1.42 Emily Roberts, Senior Planning Consultant (MTCP, MRTPI) has assisted in the day to day preparation of this application and has the following qualifications:

- MTCP (Undergraduate Masters in Town and Country Planning) – University of Manchester

- 1.43 Emily has 5 years' experience, working within both the public and private sectors, providing planning and development advice.