The TEP Landscape

Landscape Employers Event, University of Sheffield
7th March 2018
INTRODUCTION TO TEP

• Established in 1997, from a base in Warrington.

• Partnership formed by three CMLIs, representing the Landscape Design, Landscape Management and Landscape Science divisions.

• Whilst TEP has grown, its multi-disciplinary offer retains the landscape centred approach which it began with.

• TEP’s core services are in: Arboriculture; Ecology; Environmental and Green Infrastructure Planning; Heritage; Landscape Design; Urban Design and Masterplanning; Landscape Management; and Town Planning.

• TEP has recently celebrated its 20th year and now employs over 120 staff across five offices.

• Over the years TEP has employed many graduates and post graduates from the University of Sheffield’s Landscape Courses. A habit which we would like to continue!
INTRODUCTION TO TEP

• Investors in People - Gold Standard
• Full scope Carbon Neutrality under British Standard PAS 2060
• Quality Mark status with the Institute of Environmental Management and Assessment (IEMA)
• LI Registered Practice and LI Award Winner in 2017 in the Science, Management and Stewardship category
DESIGN TEAM

- Parks and Open Spaces
- HLF Park Restoration
- Landscape Strategies
- Landscape Masterplans
- Play Area and Sports Pitch Design
- SuDS and Wetland Habitat Creation
- Planting Plans
- Construction Details
- Contract Procurement and Management
- Visualisations
- Public Art
- Highways and Infrastructure Schemes
- Residential Masterplanning
- Public Realm Strategies
- Vision Documents
- Design Guides
- Design and Access Statements
- Community Engagement
LAND MANAGEMENT TEAM

- Landscape Management Plans
- Ecological Management Plans
- Invasive Species Management Plans
- Conservation Management Plans
- Audience Development Plans

- Management and Maintenance Contracts
- Contract Procurement & Administration
- Site Management
- Risk Management Surveys
- Land Transfers

- Green Infrastructure Strategies
- Open Space Assessments
- Green Flag Judging
- Lifecycle Costs
- GIS & Databases
ENVIRONMENTAL PLANNING TEAM

- Feasibility Assessments
- Environmental Assessment
- Green Infrastructure Planning
- GIS Mapping
- Planning Applications
- Planning Conditions and Secondary Consents
- Planning Appeals and Public Inquiries
- Section 106 Negotiations
- Landscape Character Assessment
- Landscape Capacity Assessment
- Landscape and Visual Impact Assessment (LVIA)
- Verified Photomontage
TODAY’S PRESENTATION

Three case study projects, that demonstrate the wide ranging involvement of the landscape professional in landscape design, landscape management, landscape science, and landscape planning.

The case studies:

1. Manydown Urban Extension, Basingstoke
2. St Fagans, National Museum of History, Cardiff
3. IFA2 Electrical Interconnector Project, Fareham
Client: Basingstoke and Deane Borough Council and Hampshire County Council.

Multi-disciplinary team including:

- TEP: landscape design; arboriculture; ecology; and LVIA.
- Tibbalds: town planning, urban design and masterplanning.
- Campbell Reith: engineering and EIA coordination.

The project:

- outline application for 320ha site accommodating 3,200 homes;
- community facilities and supporting infrastructure, including two local centres, two primary schools and one secondary school site; and
- network of open spaces including a new 100ha Country Park.
SURVEYS
MASTERPLAN OPTIONS
LANDSCAPE STRATEGY

• Retention of hedgelined PRoWs
• Retention of woodland, veteran trees and other hedgerows
• Greenspace strategically positioned
• Planted buffers to sensitive edges
LANDSCAPE & VISUAL ASSESSMENT
ECOLOGICAL ASSESSMENT
THE MASTERPLAN

The outcome of cross-disciplinary working:
• multi-functional Green Infrastructure framework
• interconnected green and wildlife friendly spaces
• attractive setting for development
• strong sense of place
THE COUNTRY PARK

• Existing mature and ancient woodland
• Traditionally managed coppiced woodland
• Parkland with extensive areas of amenity grass, species-rich meadow and wood pasture
• Retention of some arable and grazing farmland
• Retention of PRoWs
• New footpath network
• Country Park Hub: Worting Woodland Centre
THE COUNTRY PARK HUB
ST FAGANS NATIONAL HISTORY MUSEUM

Client: National Museum Wales

Multi-disciplinary team

• TEP responsible for Landscape Design; Conservation Management Plan, funding applications, arboriculture; ecology; EIA coordination including LVIA, Contract Supervision.

The project:

• Gain HLF funding for project;
• Transform visitor experience;
• Improve visitor movement, legibility and sense of place;
• Enhance and restore aesthetic value; and
• Improve setting of heritage assets.
CONSTRAINTS

• St Fagans Conservation Area
• Grade I Listed Park and Garden
• Grade I, II* and II Listed Buildings
• Archaeologically Sensitive Area
• Special Landscape Area
• River Ely SSSI
• SINC
• Mature trees
• Protected species (Great Crested Newts, Bats)
DESIGN EVOLUTION

• Understanding design intent – Earl of Plymouth and head gardener: Hugh Pettigrew
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• Options appraisal for siting:
  • New museum building
  • 2 museum exhibits
• Options Appraisal with stakeholders
NEW MUSEUM BUILDING

- TEP Role adjoining open space
- Central performance space and orientation node into plantation woodland
- Design considerations - GCN
- Design concept:
  - Historic design intent of strong geometry formed using nature
  - Geometric form to building
  - Use of central glade
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DESIGN INTERVENTIONS

- Visitor arrival experience
- Reconfiguration of car parking
- Spine footpath
- New footpaths
- Wildlife ponds
- Play experiences
- High ropes course
CONSERVATION MANAGEMENT PLAN

• Describe what’s here

• Why it is important

• What is happening to it

• How can we manage and protect it in the future
EIA

• TEP carried out the Screening, Scoping and EIA coordination
• It was screened to EIA development due to environmental sensitivity of the site
• Ecology, heritage and landscape were important aspects of the project development and assessment
EIA - CONCLUSIONS

Construction effects

- Temporary adverse
- Landscape and views;
- Setting of historic assets;
- Negative effects on visitors; and
- Proximity to protected species.

Completion Effects

- Beneficial
- Improved setting to museum and parking;
- Protection and enhancement of habitats;
- Improved legibility and orientation;
- Increased heritage and educational value; and
- Increased visitor numbers.
IFA2, FAREHAM

• High Voltage Direct Current (HVDC) electricity interconnector between Tourbe in Normandy and Chilling in Hampshire.

• Joint venture between National Grid IFA2 Ltd (part of the National Grid group) and RTE (the French transmission owner and operator).

• Project will connect the two countries’ electricity networks allowing import and export of power, improving energy security and efficiency of use.

• At the coast the HVDC needs to be converted to Alternating Current (AC) before entering the National Grid.

• Requires Converter Station and grid connection.

• TEP appointed to provide planning and environmental services for these onshore elements of the IFA2 project in the UK from feasibility through to approval of full planning application.
THE SITE
LANDSCAPE AND VISUAL MITIGATION
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WIDER OPEN SPACE DESIGN

- Designed to Natural England SANGS guidance
- Flowing form – air and electricity flows
- Main direct footpath-cycleway through space
- Network of circular footpath and cycle routes meander from this
- Eastern space – woodland planting ties to Alver Valley and forms mitigation screening, interspersed with wildflower meadow and scattered trees
- Central part – more open, viewing mound takes advantage of views looking down active runway
- Narrow western area – adjacent to schools and edge of Stubbington and designed as a more formal park
For more information please visit [www.tep.uk.com](http://www.tep.uk.com)

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