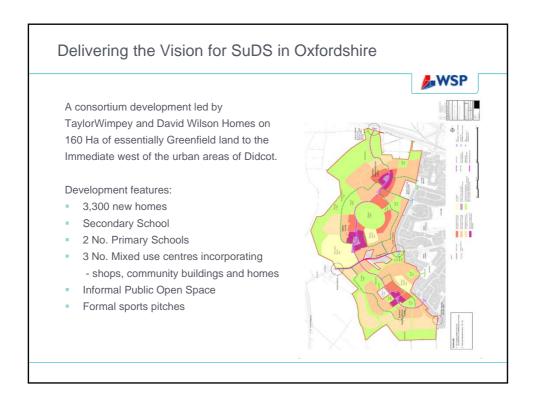
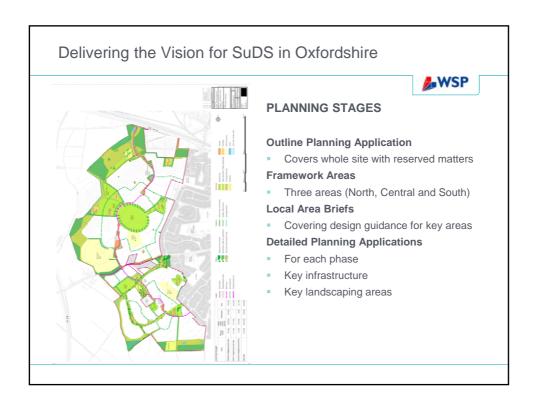




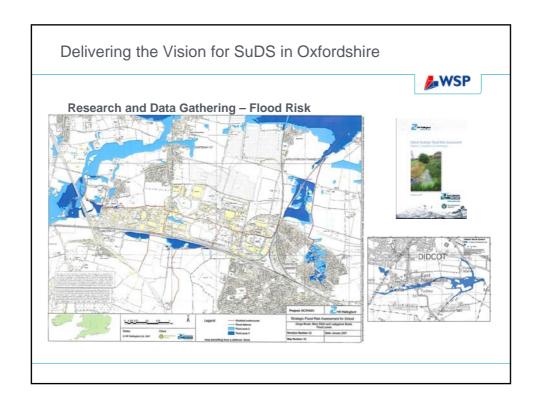
# Delivering the Vision for SuDS in Oxfordshire Chris Patmore For the Great Western Park development I has been involved since the mid 1990's advising on drainage, flooding, infrastructure (utilities) and highways matters. As a result I have been involved in developing the drainage design through the Local Plan process and EIA as well as providing the input into the outline and detail planning stages. Concept – Planning – Design – Detail – Approval – Construction – Monitoring - Maintenance

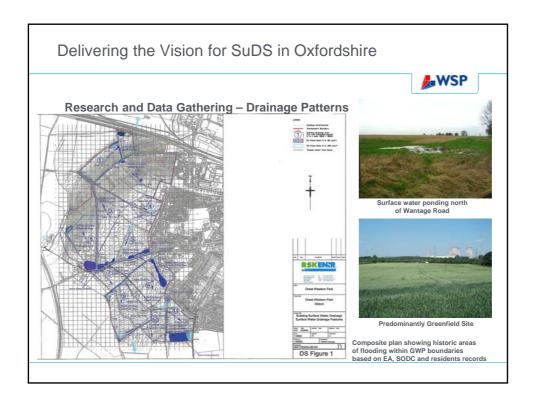


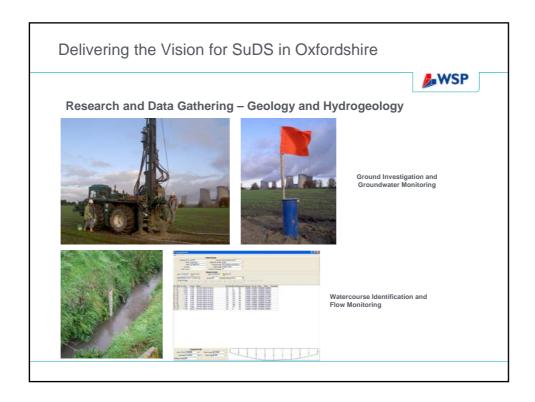


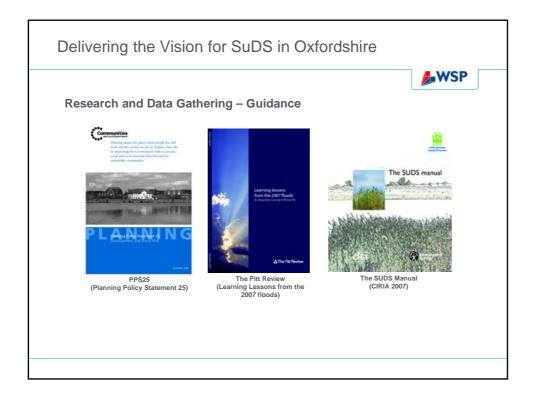


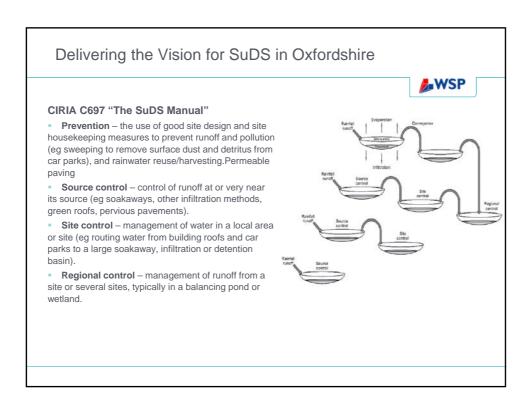


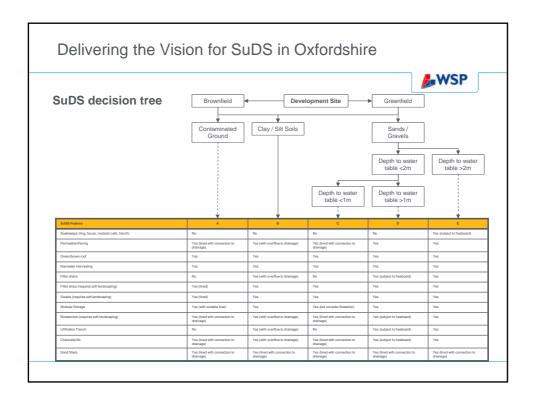




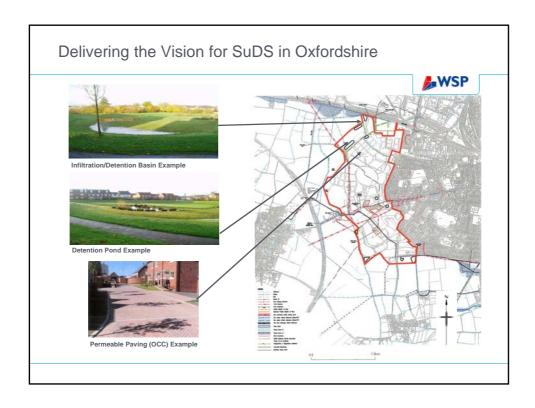


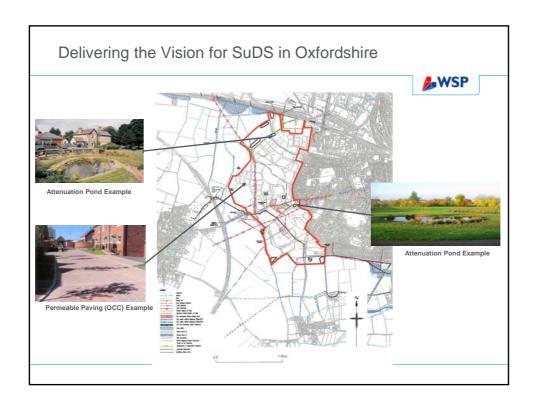


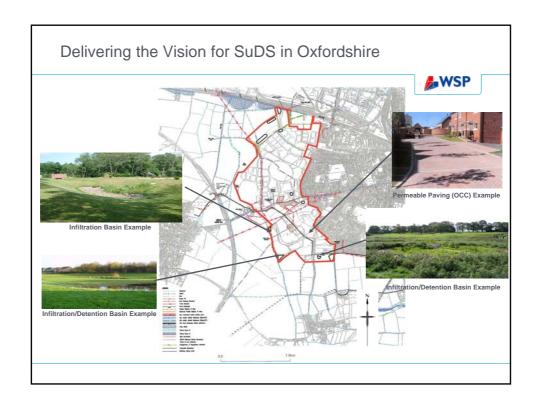


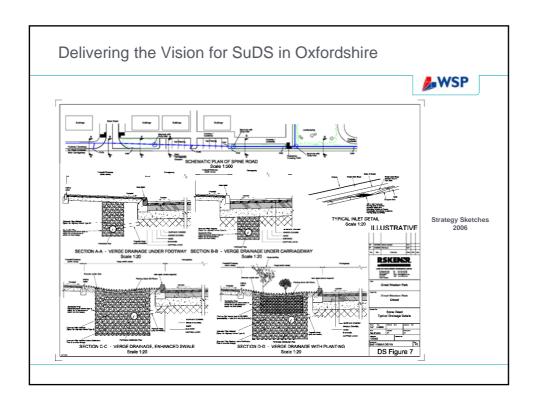












# Delivering the Vision for SuDS in Oxfordshire

# CIRIA: Delivering SuDS not duds

Great Western Park, Didcot

### **Constraints**

- Ground conditions (clays, Upper Greensand)
- Topography
- Groundwater levels (8m to nil)
- Infiltration Rates (low to nil)
- Land Ownerships
- Changes of Client (Consortium Structure)
- · The Recession
- Flood Risk (north of site)
- Flood Risk (perceived to the south)
- Communication between agencies
- Legal frameworks (Adoption limitations)
- Experience / Examples

## **Opportunities**

 Early involvement of drainage in the masterplan

**WSP** 

- · Engagement of consultees
- Topography
- Green Infrastructure
- Open space provision
- Direct connection to watercourses
- · Joined up thinking
- The Three Stage Planning Approach
- Flexibility of solutions
- Dual uses
- All surface water under one authority / agency

# Delivering the Vision for SuDS in Oxfordshire



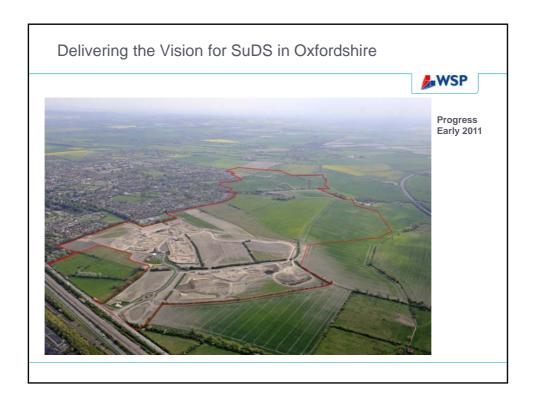
# CIRIA: Delivering SuDS not duds

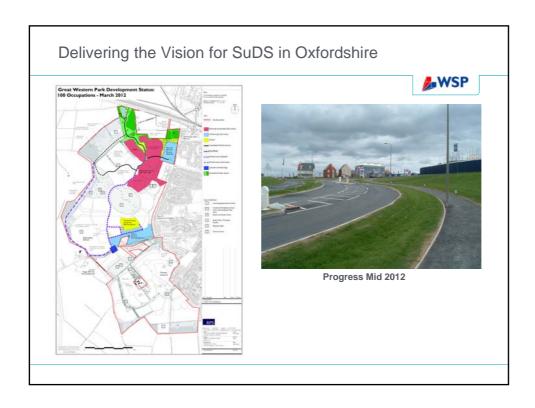
Great Western Park, Didcot

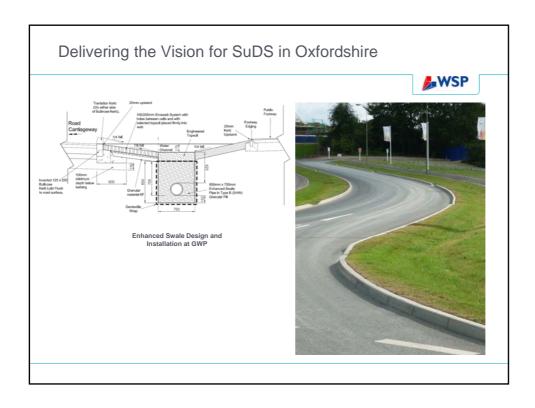
## The Reality

Where are we now?

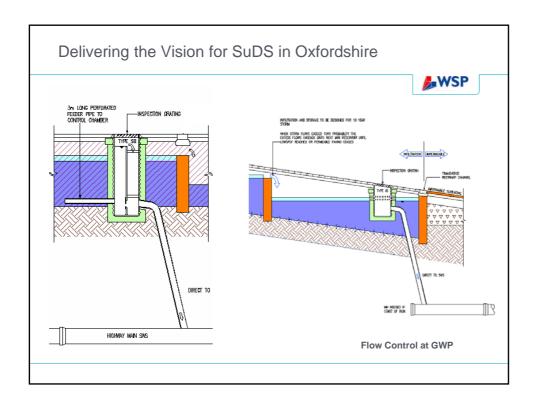














# Delivering the Vision for SuDS in Oxfordshire

## CIRIA: Delivering SuDS not duds Great Western Park, Didcot

### **Lessons Learnt**

- Communication
- Drainage as part of the masterplan not an afterthought
- Use the ground conditions
- Use the topography
- Establish the Adoption criteria and agencies at the on-set
- There are more than one way to achieve the same goals
- · Workmanship and experience
- · Maintain flexibility in layout and options
- Communication



# Delivering the Vision for SuDS in Oxfordshire

# **Further Information**

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**Great Western Park** 

http://www.gw-park.co.uk/

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Interpave

http://www.paving.org.uk/commercial/case\_studies.php

Collection for

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