

# Implementation of *defra* Surface Water Early Action grant

## Lilbourne (Daventry District)

*Richard T Caple IEng MICE*  
Engineer Project Manager - Daventry District Council

CIRIA (LANDFORM/EA) event, Jan. 17th 2011



### *History – cause*

#### Stonehouse Court development (2001)



## *Effect*

- Complaints since 2001
- Standing water in No.3,5,7 Hillmorton Lane
- Increase in saturation other gardens



## *Standing water – No. 7 Hillmorton Lane*



### *Time for (early?) action*

- No budget land drainage works
- EA circular : Early Action process Oct 2009 - £5M
  - 3 weeks to submit
- History checked
  - Stonehouse cause? Soakaways !
  - Hillmorton Lane residents
- Ditch reinstatement proposed
- Costs estimated 'in house' £45k



### *Bid success !- March 2010*

- Early Action bid entered Nov 09
- £45k approved end March 10.
- Public meeting April 10
  - Stonehouse residents threaten to block
  - No knowledge of flooding (!?)
- Land Drainage Act 1991
  - Serve notice? not feasible timescale
- Other options?



## Cut off flow and outfall ?

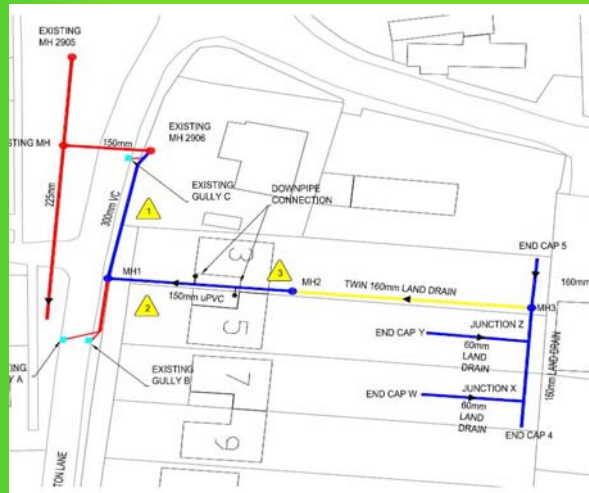


## Outfall

- Land drainage outfall?
- Culverted ditch in Hillmorton Lane
- Highway Authority – ‘not highway’ drain
  - Existing land drainage input
- Investigate culvert for capacity/condition
- Link to East side of Hillmorton Lane



## Use of existing culvert



## Progress

- Propose rear garden scheme
  - Commence regular communications
  - Residents and EA
- Conditional yes
- May 10
  - Complete by end Oct 10
- No.3 sold ideal route out of gardens



## *Rear garden No.5*

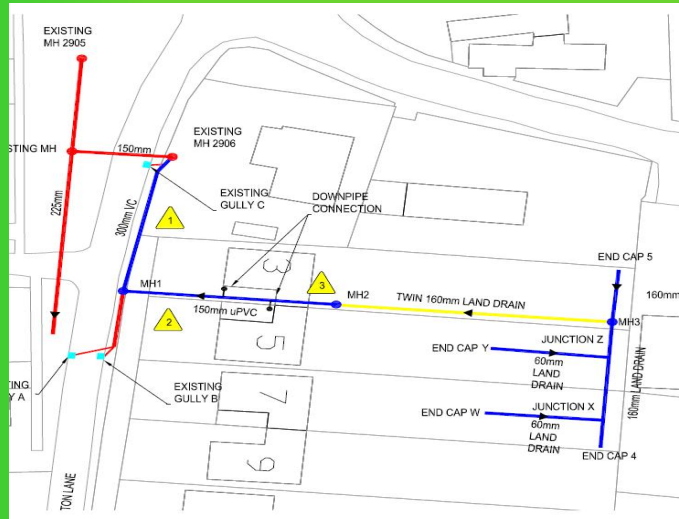


## *Design procured*

- WSP (Birmingham)
  - FRA
  - Investigation info (DDC)
  - Stonehouse GI (DDC)
  - Topo survey (DDC)
- Conclude: ground water seepage
- Design accepted residents
  - Future maintenance....



## Drainage design 1/100 year



## Ditch location... ...amended to 'field drain'



## *Contractor late July 10*

- Contractor procured at £33,000
  - FJ Morris Contracting (Towcester)
  - Start early Sept 10
  - Emphasis tidy works / tight working space



## *Site progress*





## *Completion early Nov 10*

### Cost Summary:

£39,000 final main contractor costs

£5,000 Investigation (drain routing, status/condition of drains)

£4,000 WSP design + £1,000 docs (BoQ) documents

Legals £2,000

Total £51,000 (£45k original bid)



## *Reinstated drive No.3*



## *Reinstated No.5*



### Deed of Mutual Covenant

Easement at premises known as  
3, 5 and 7 Hillmorton Lane |  
Lilbourne, Northamptonshire  
CV23 0SS

Daventry District Council  
Peter Barry Rigg  
Ian Frank Reeve  
Anna Mane Reeve  
David Thomas Hazelwood  
Sharon Elizabeth Hazelwood  
Barclays Bank Plc  
Santander UK Plc  
Northern Rock Plc

## *Rights & Obligation*



*Lilbourne scheme  
(Daventry District)*

**Thank you**

Richard T Caple IEng MICE  
Daventry District Council

rcaple@daventrydc.gov.uk  
tel 01327 302427



*Field reinstatement  
south of Stonehouse Court*

