

Derby City Council

Project Water and Flood Defence Team

Derby Nottingham Metro Biodiversity – European Structural & Investment Fund (ESIF)

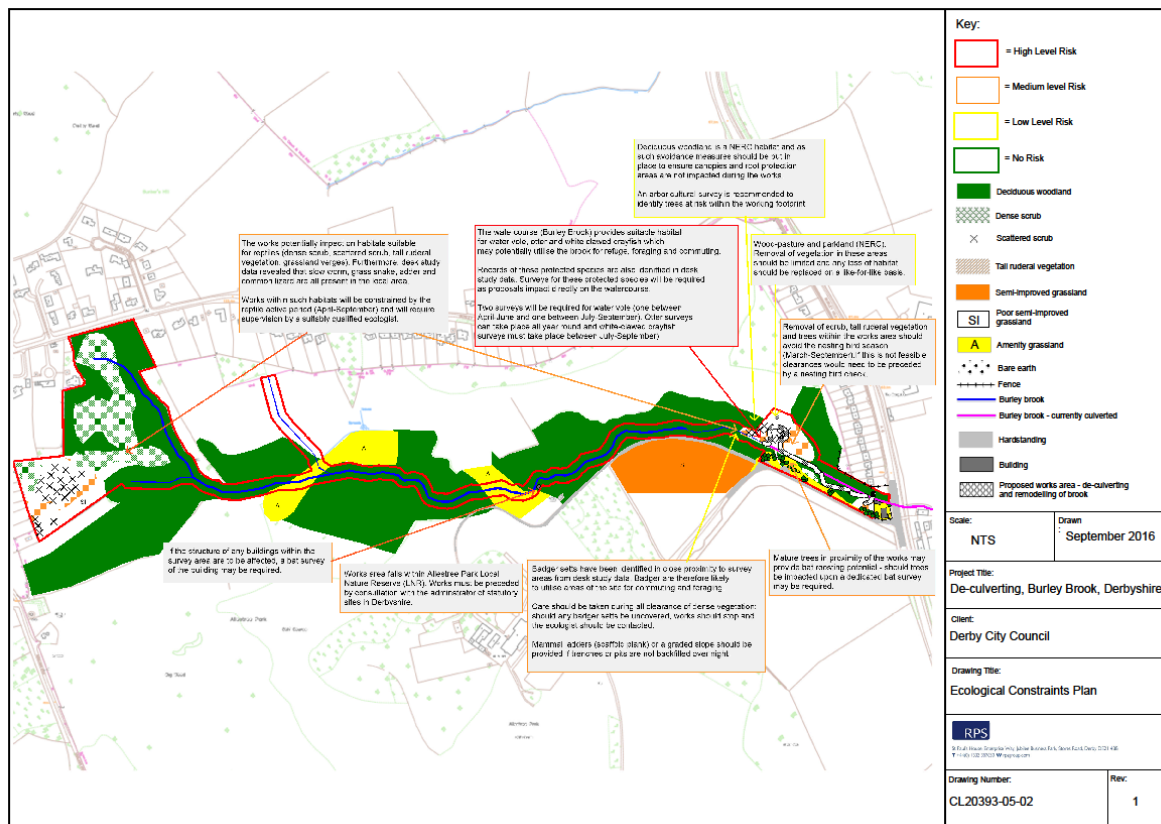
- Burley Brook
- Cuttle Brook
- Duffield Road Rain Gardens
- Markeaton Brook

Flood and Coastal Erosion Risk Management Funding Grant in Aid (FCERM-GiA)

- Cotton Brook
- Cuttle Brook

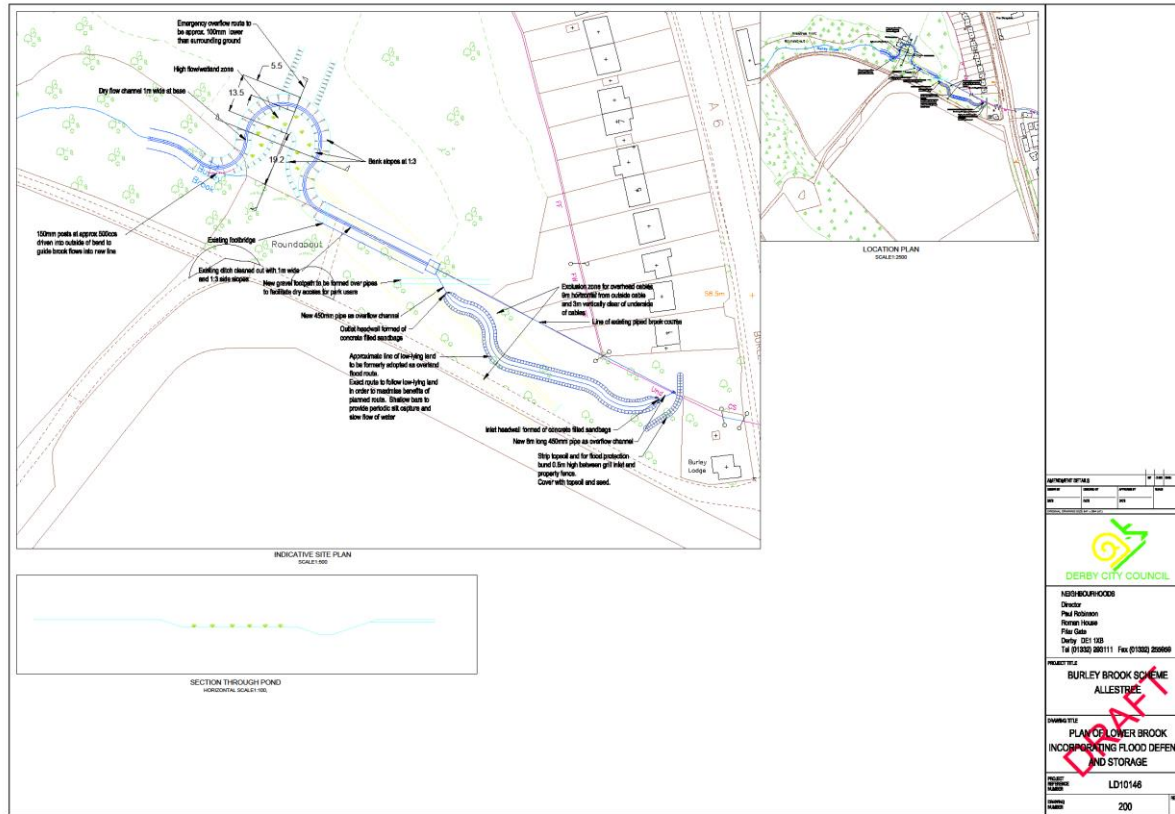


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Burley Brook Constraints Plan

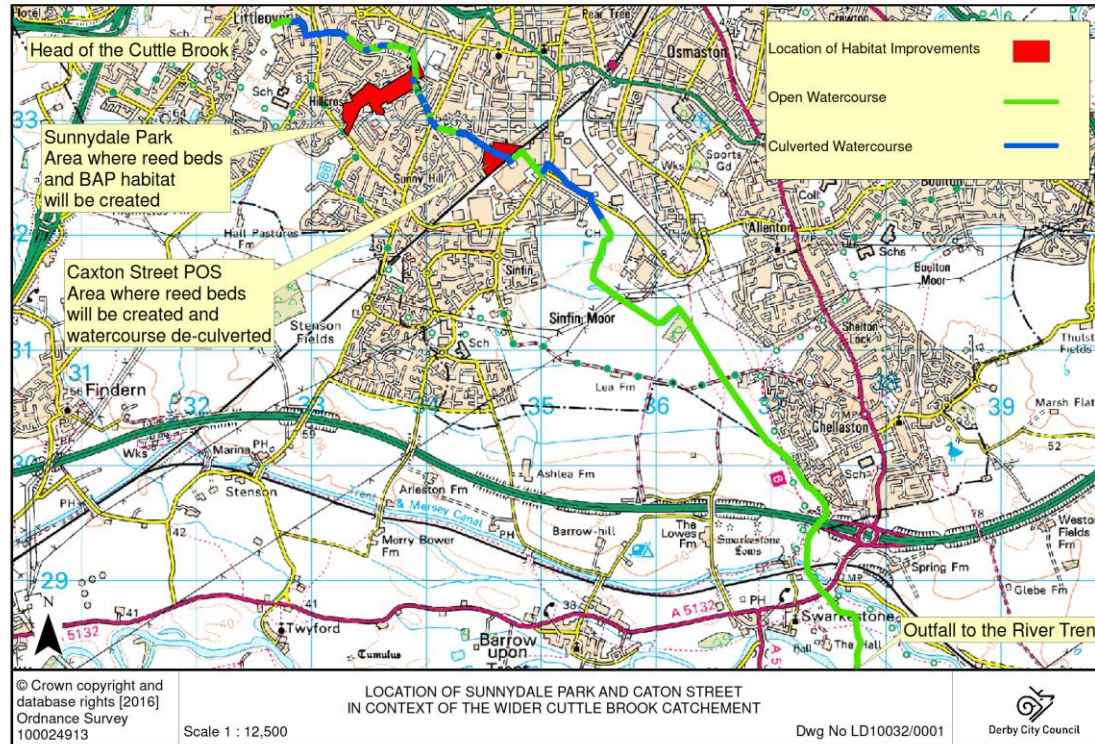




Burley Brook Draft Proposals

- De-culvert section of watercourse
- Create meander and wetland area
- Further proposals upstream to be developed



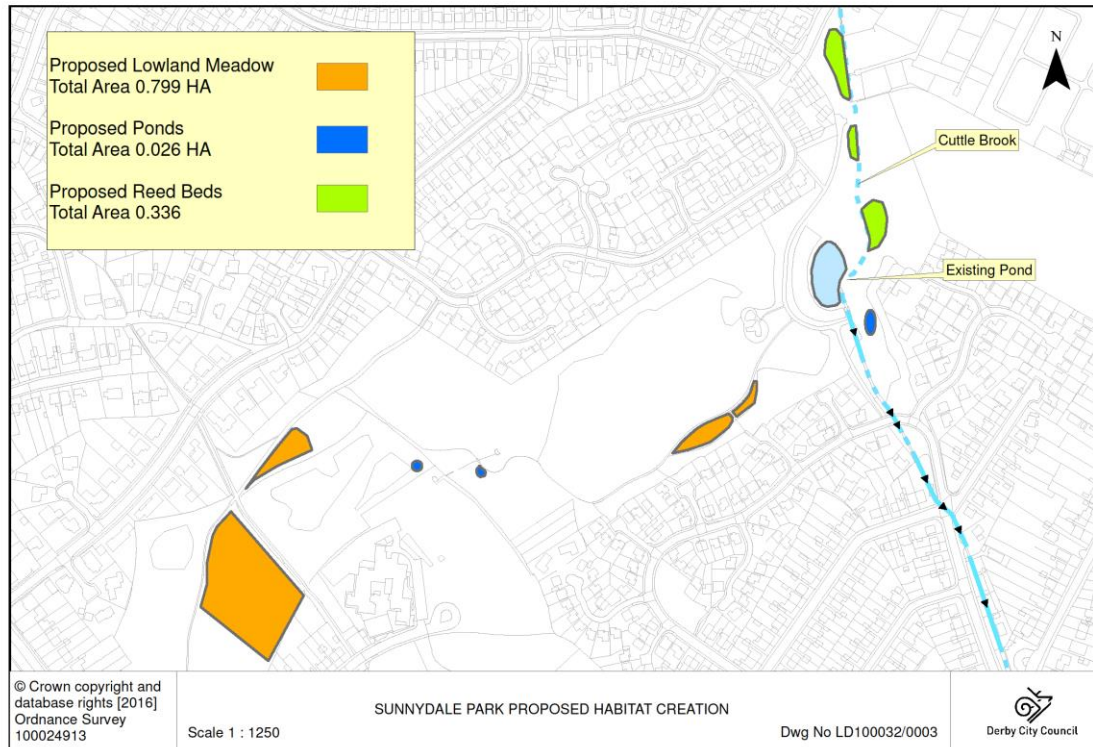


Cuttle Brook (Derby Nottingham Metro Bid) Location Plan

Location of biodiversity improvements for Cuttle Brook

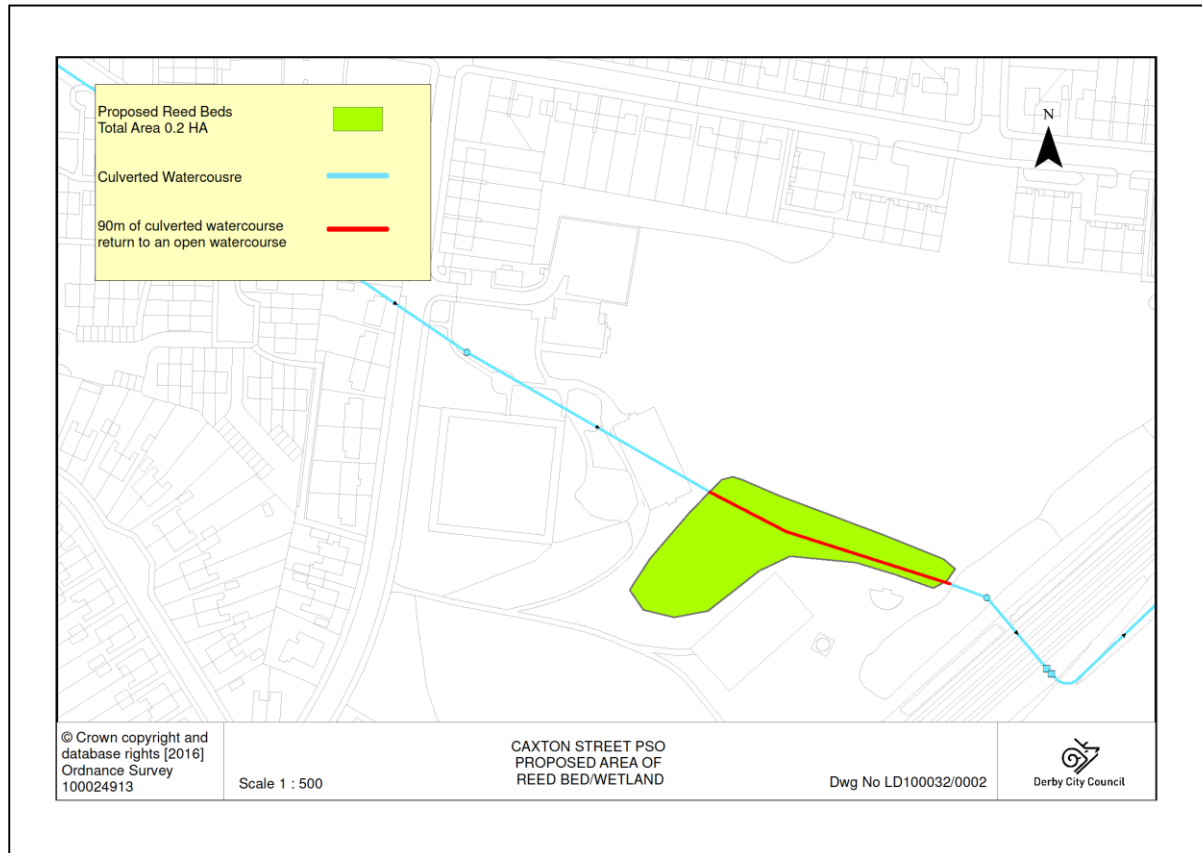


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Biodiversity Improvements Sunnydale Park

- Creation of 0.799 HA Lowland meadow
- Creation of 0.026 HA Ponds
- Creation of 0.336 HA Read Beds/Wetland

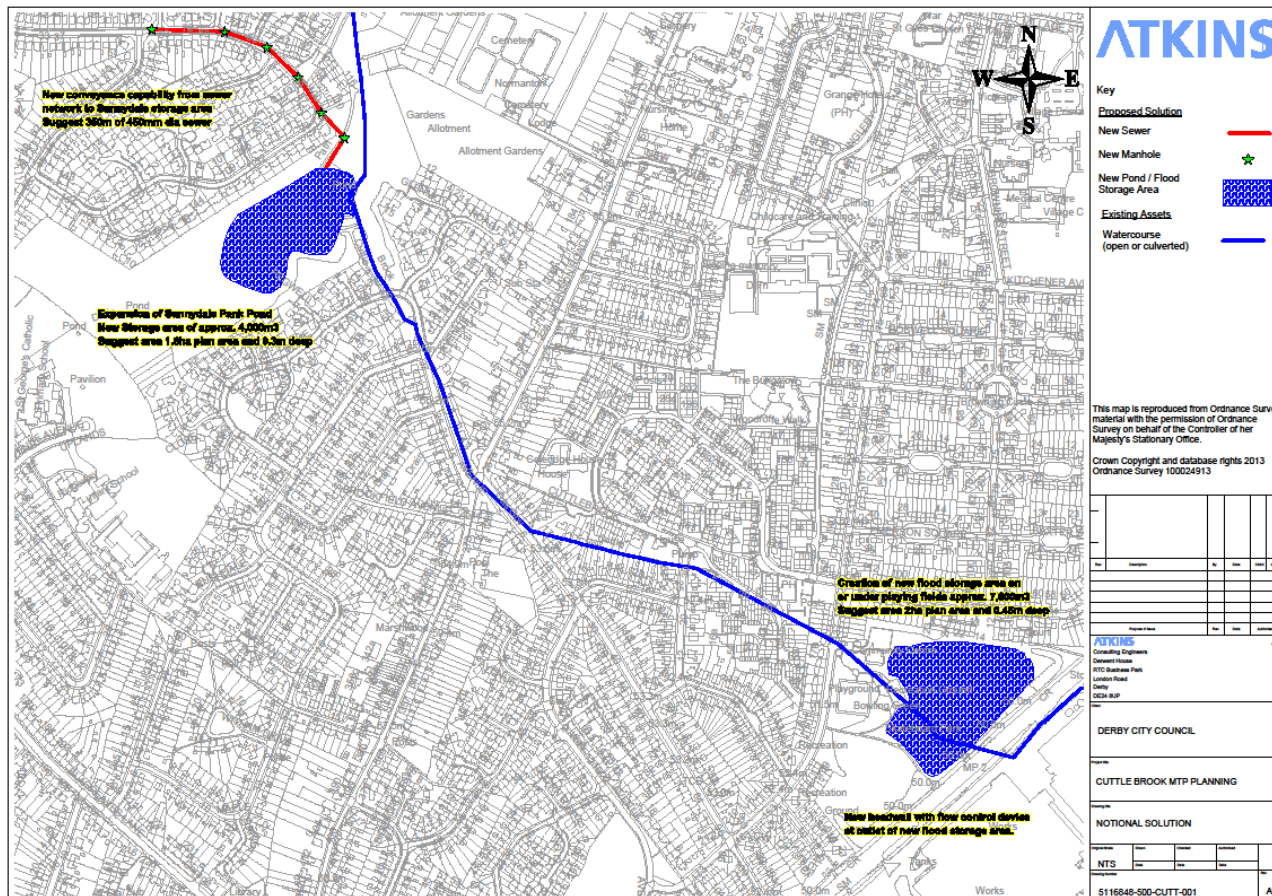


Proposal for Caxton Street

- De-culvert 90m of watercourse
- Create 0.2 HA of wetland



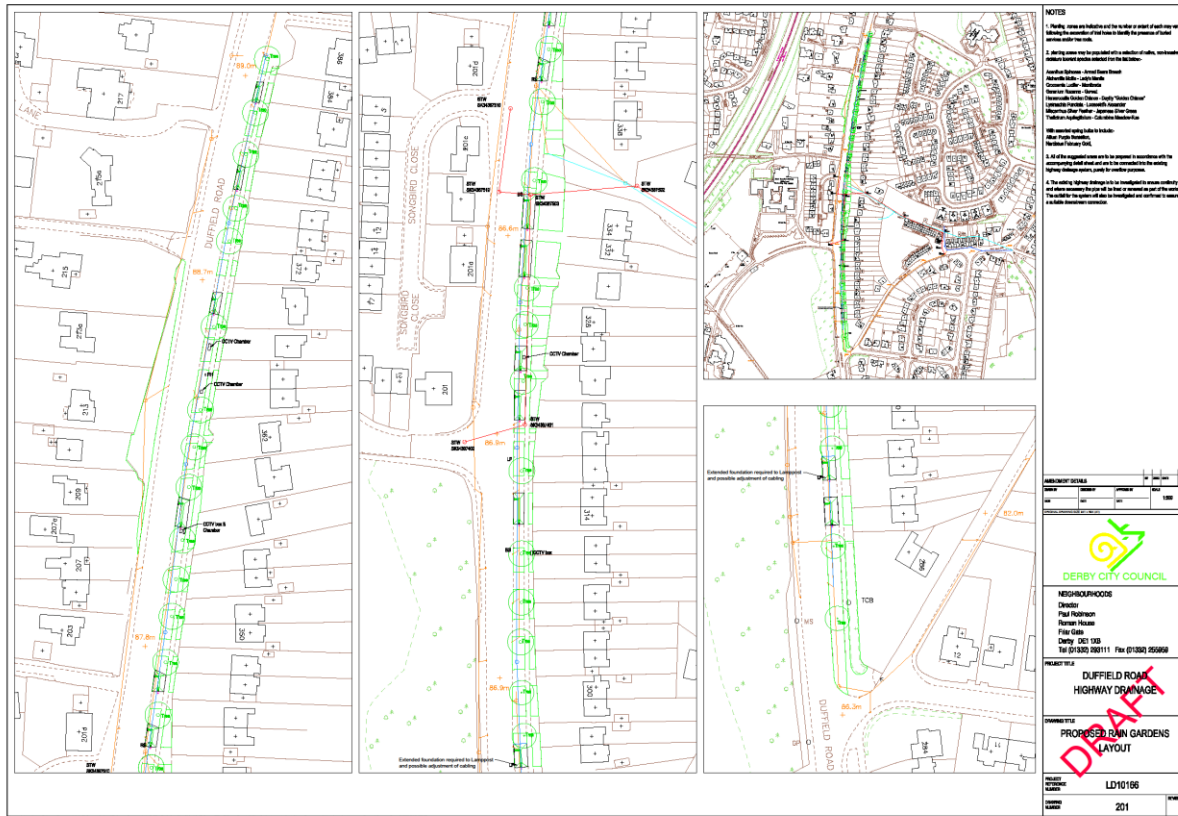
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Cuttle Brook FCERM-GiA

- Creation of Flood Storage Areas
- Provision of new SW sewer



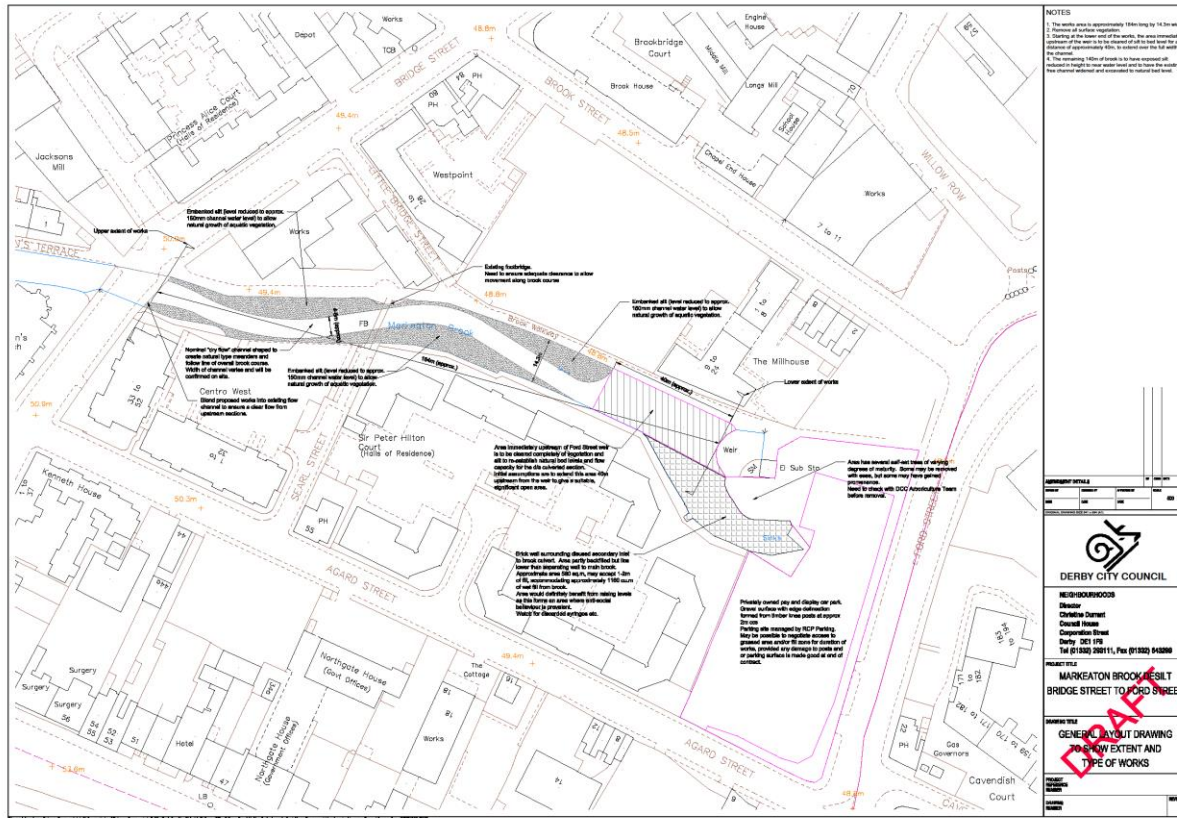


Duffield Road Rain Garden Locations

- Setting back gullies into verge area and creating raingardens







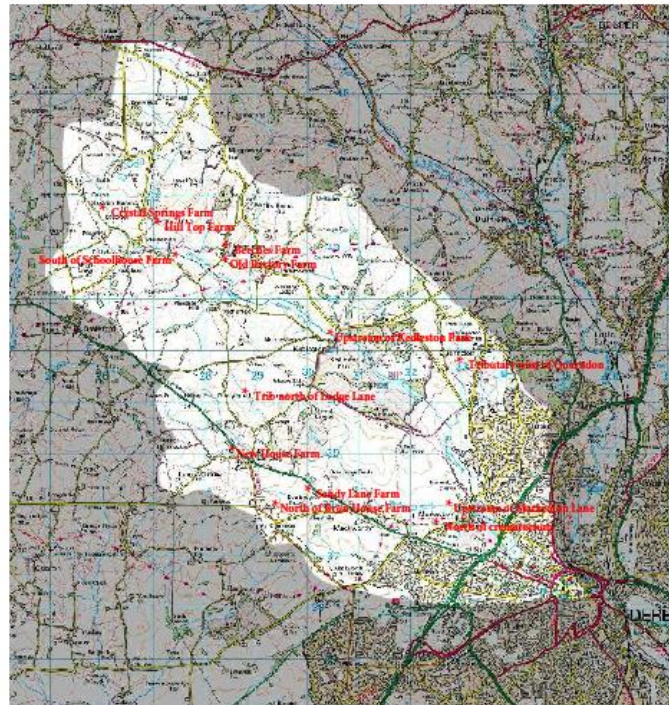
Markeaton Brook

- Desilting Proposals west of Ford Street



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Mercaston and Markeaton Brooks catchment



Markeaton Brook Cuttle Drinking Stations

- Location of proposed Cattle Drinking Stations to reduce silt deposition into Markeaton and Mackworth Brooks

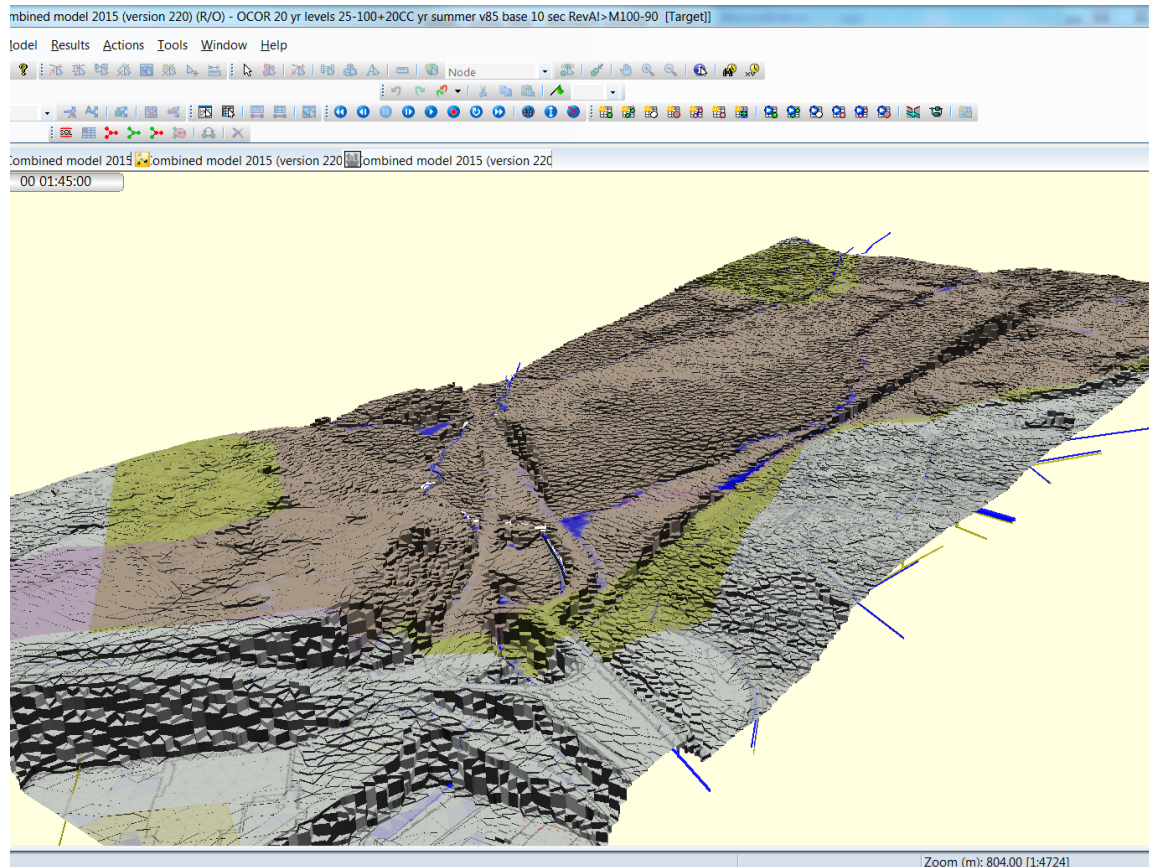
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Other areas of work

- Derby Integrated Urban Drainage Model
- Installation of groundwater monitoring boreholes
- Rain gauges and depth gauges on watercourses in the city
- Responding to planning application as Lead Local Flood Authority
- Highway drainage and flood risk management schemes
- Asset recording
- Flooding investigation and recording
- Development of flood defence policy and strategy in the city



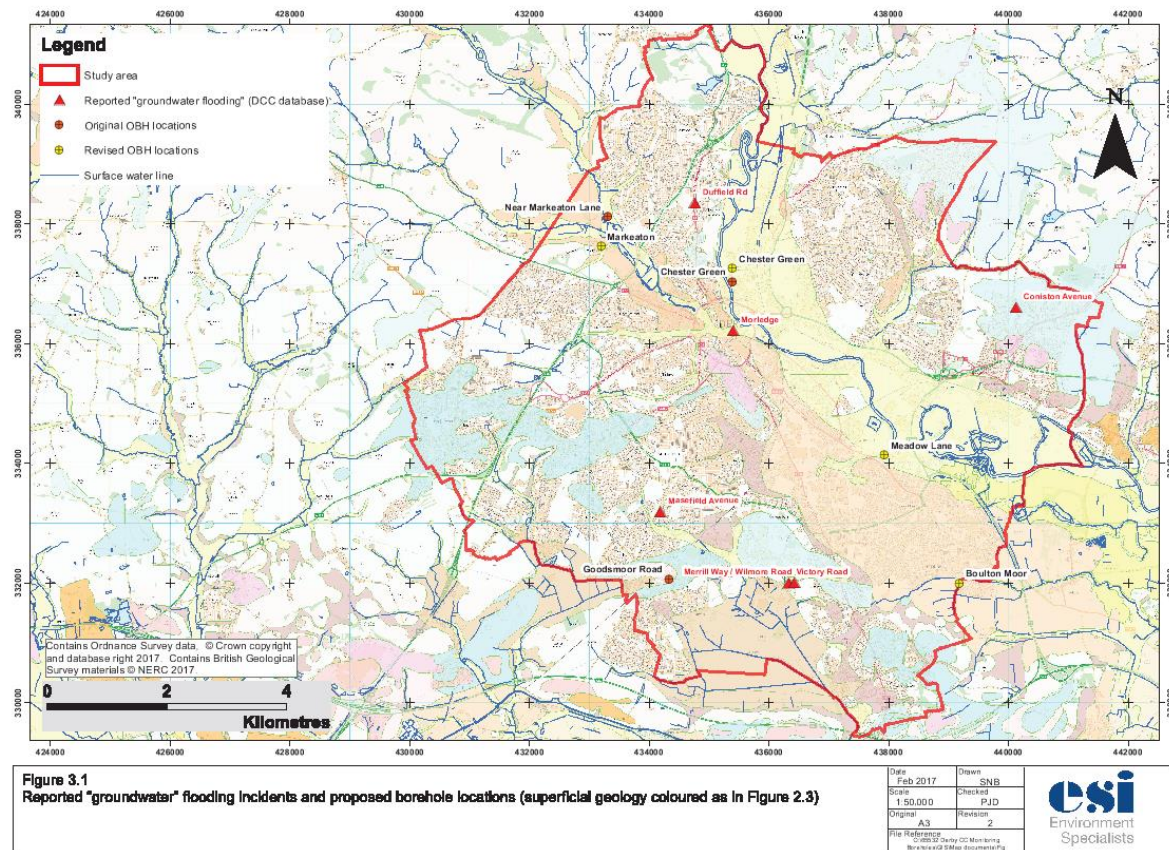


Derby City Integrated Urban Drainage Model

3 dimension of the drainage network in Derby. Under development.



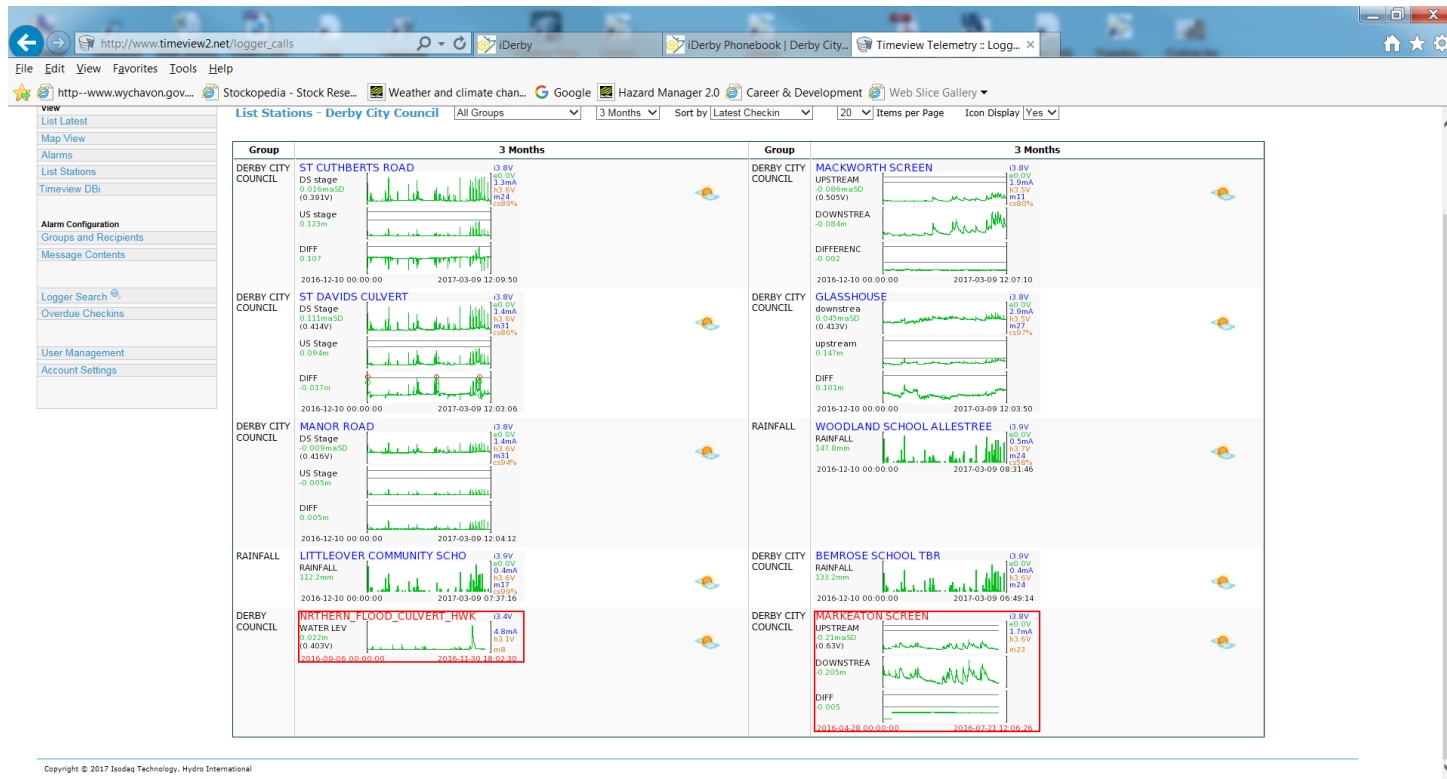
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Groundwater Monitoring Boreholes



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Rain Gauges and Level Gauges in Derby



