

Figure Ref	Wetspot
8.3	Bin Brook
8.4	Vicar's Brook / Hobson's Conduit
8.5	Cherry Hinton
8.6	Cherry Hinton Village
8.7	Coldham's Common
8.8	Milton Village
8.9	North Chesterton
8.10	South Chesterton
8.11	Castle School
8.12	King's Hedges and Arbury
8.13	Cambridge City Centre

Table 8.1 Stage 2 Wetspots for Cambridge and Milton and their associated figure numbers

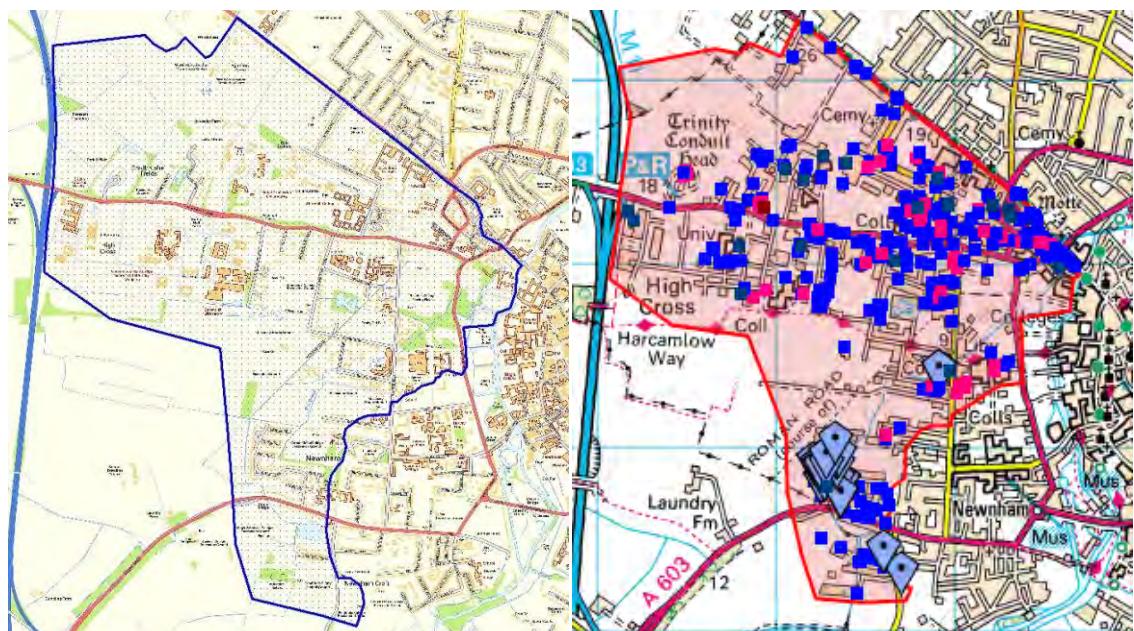
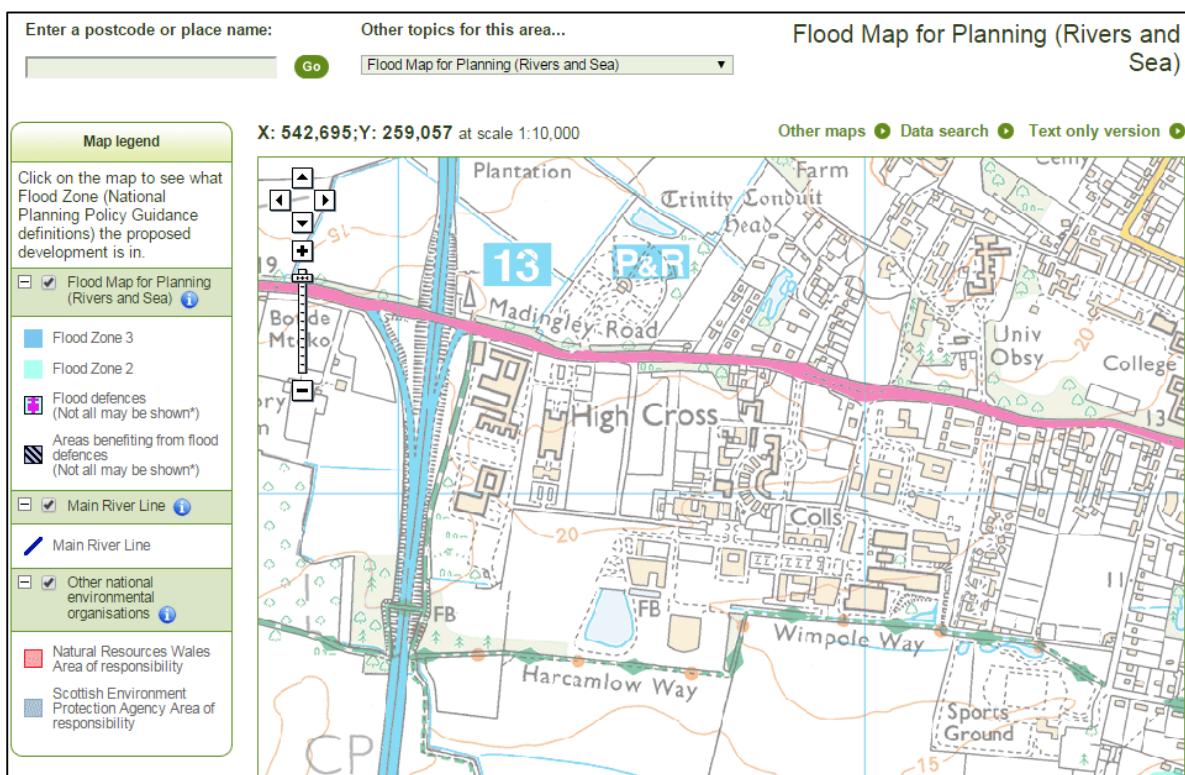
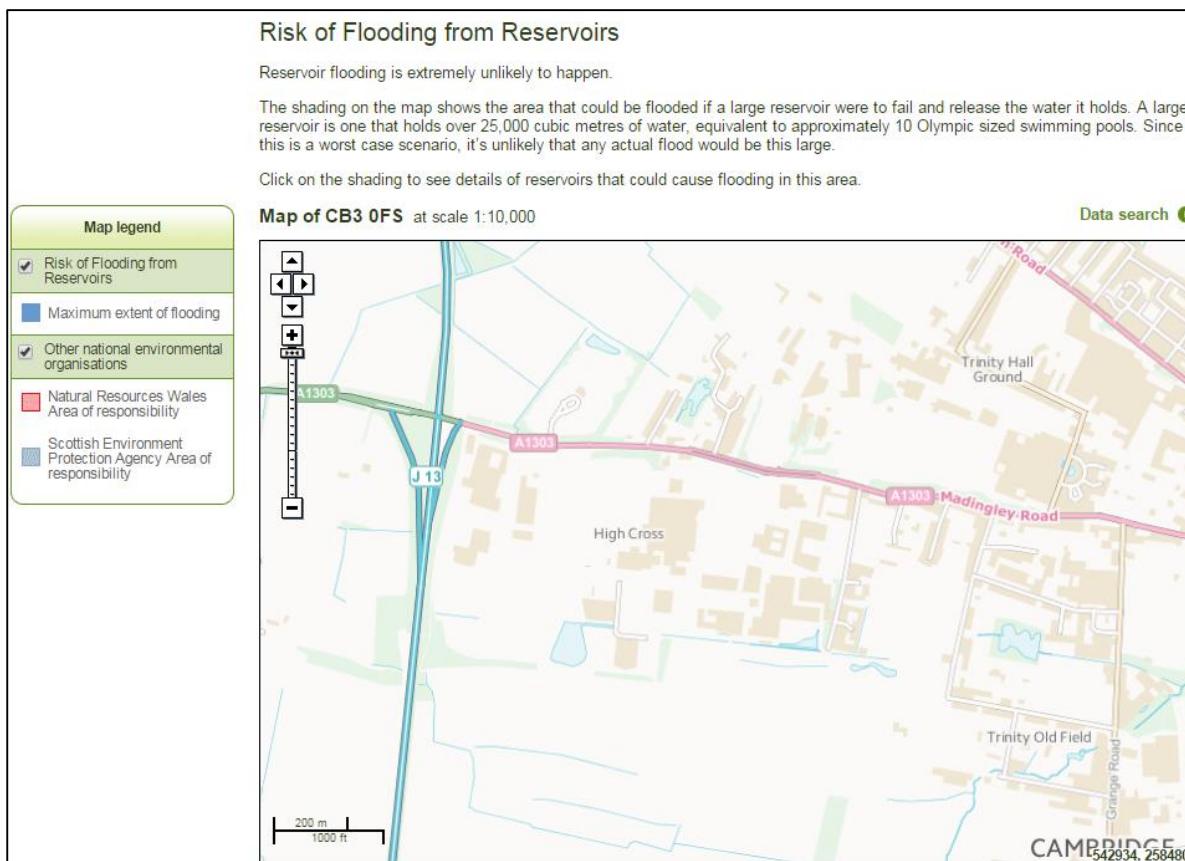


Figure 8-3 Location of Bin Brook wetspot

Appendix N Environment Agency Data

Environment Agency maps – Accessed on 14/04/2016

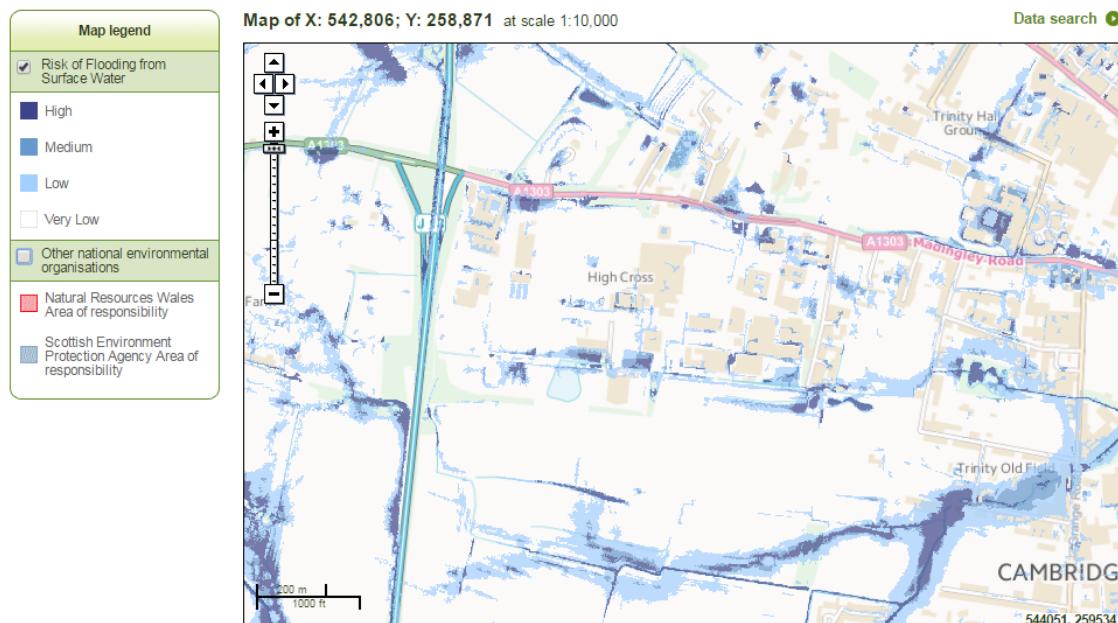


Risk of Flooding from Surface Water

Surface water flooding happens when rainwater does not drain away through the normal drainage systems or soak into the ground, but lies on or flows over the ground instead.

The shading on the map shows the risk of flooding from surface water in this particular area.

Click on the map for a more detailed explanation.

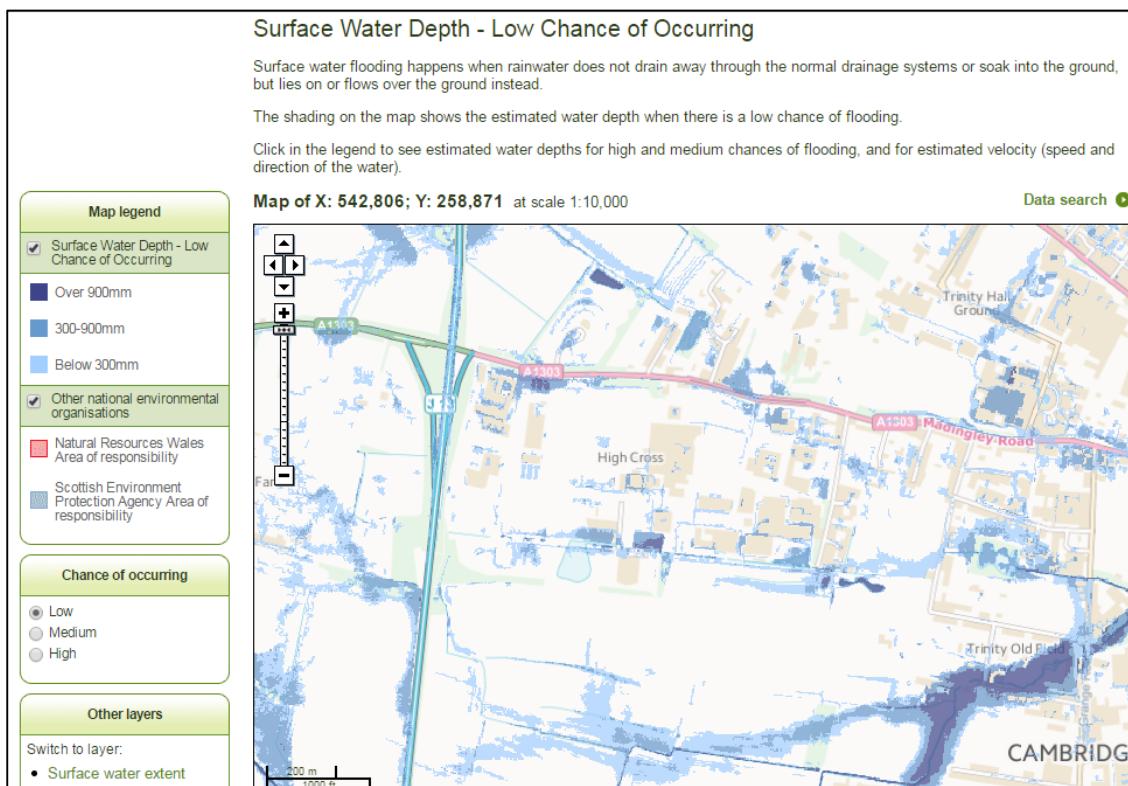


Surface Water Depth - Low Chance of Occurring

Surface water flooding happens when rainwater does not drain away through the normal drainage systems or soak into the ground, but lies on or flows over the ground instead.

The shading on the map shows the estimated water depth when there is a low chance of flooding.

Click in the legend to see estimated water depths for high and medium chances of flooding, and for estimated velocity (speed and direction of the water).

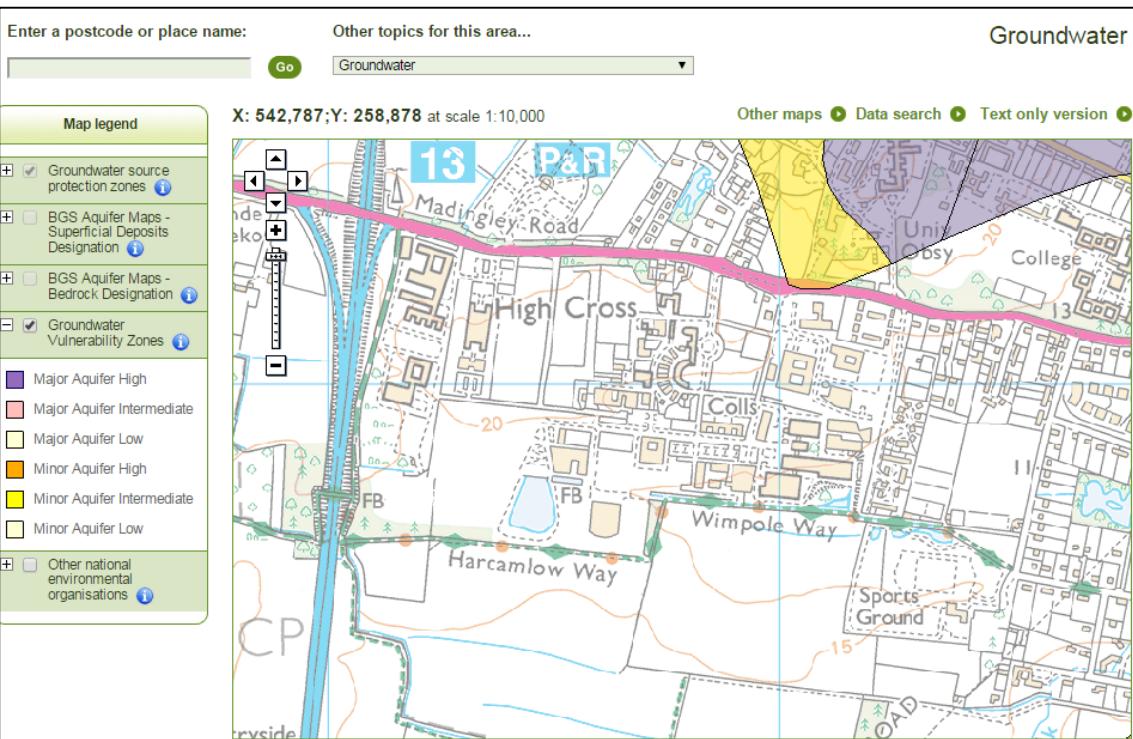
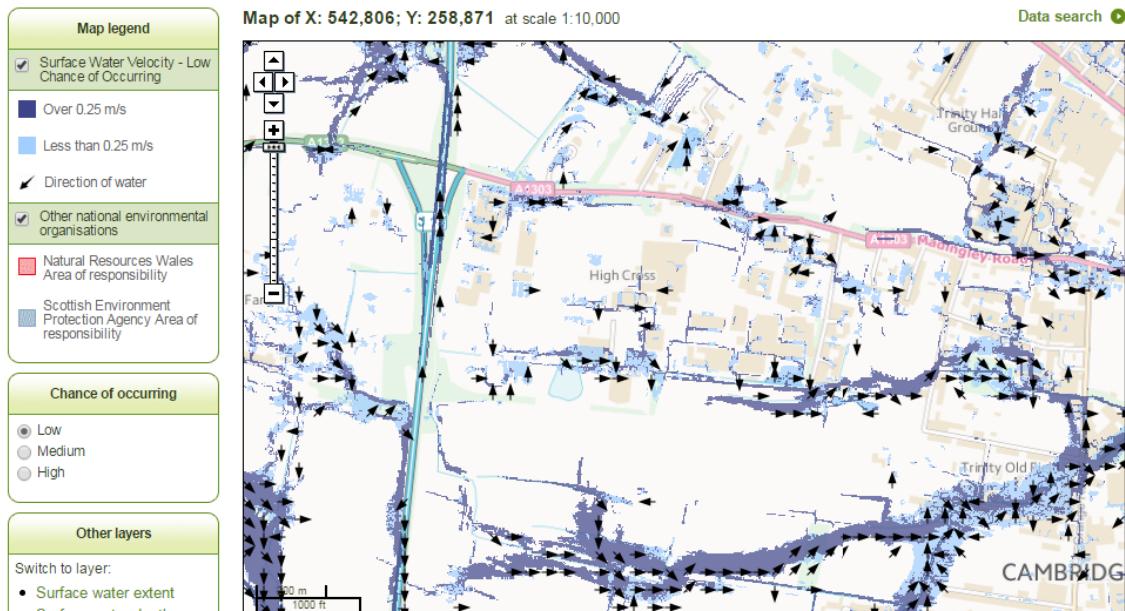


Surface Water Velocity - Low Chance of Occurring

Surface water flooding happens when rainwater does not drain away through the normal drainage systems or soak into the ground, but lies on or flows over the ground instead.

The shading on the map shows the estimated water speed when there is a low chance of flooding. The estimated direction of the water is shown when you zoom in.

Click in the legend to see estimated water velocities for high and medium chances of flooding, and for estimated water depth.



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Go

Risk of Flooding from Reservoirs

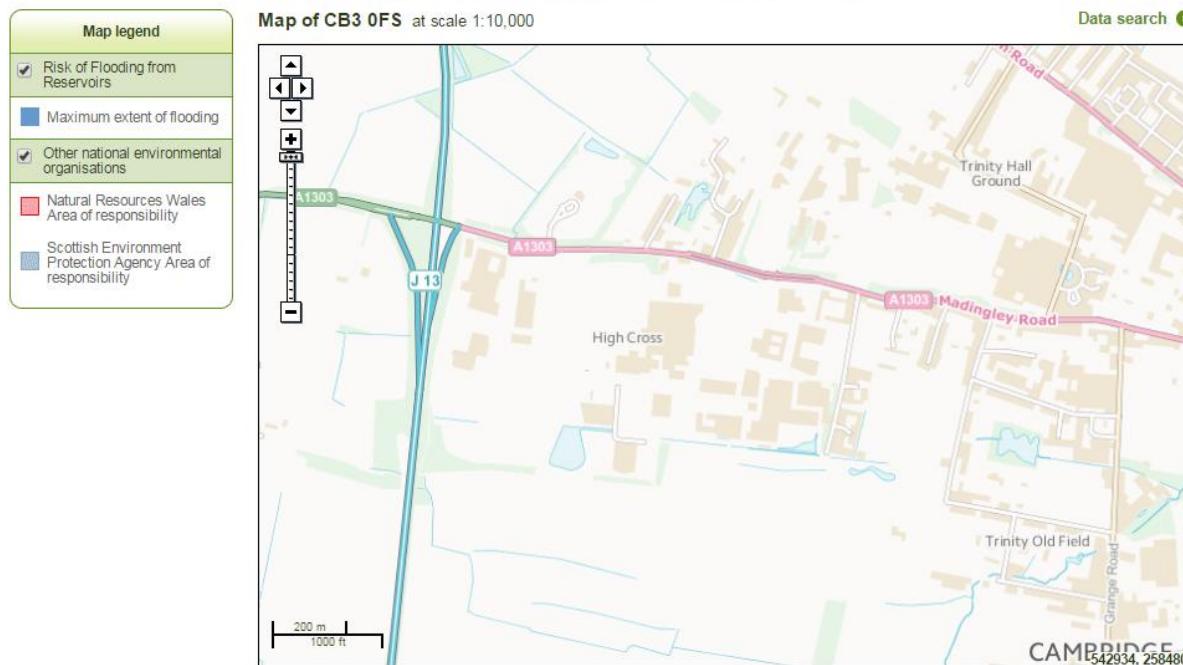
View other Interactive Maps

Risk of Flooding from Reservoirs

Reservoir flooding is extremely unlikely to happen.

The shading on the map shows the area that could be flooded if a large reservoir were to fail and release the water it holds. A large reservoir is one that holds over 25,000 cubic metres of water, equivalent to approximately 10 Olympic sized swimming pools. Since this is a worst case scenario, it's unlikely that any actual flood would be this large.

Click on the shading to see details of reservoirs that could cause flooding in this area.



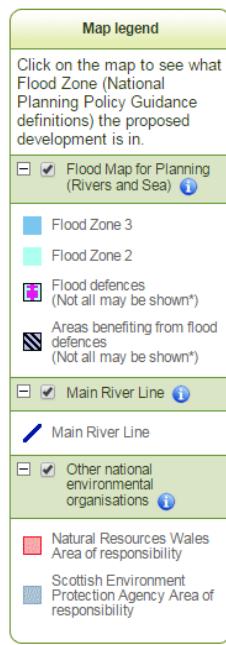
Enter a postcode or place name:

Other topics for this area...

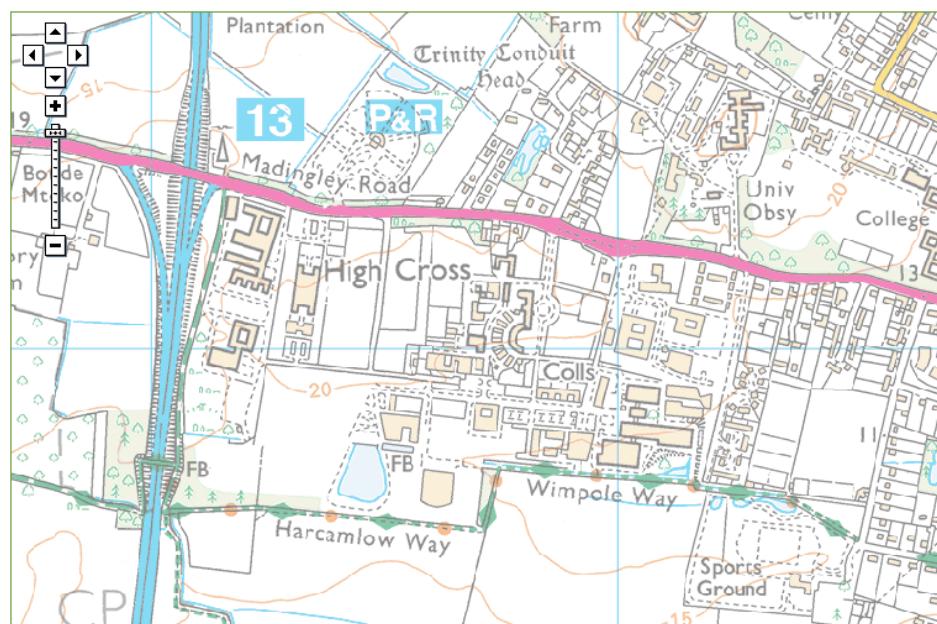
Go

Flood Map for Planning (Rivers and Sea)

Flood Map for Planning (Rivers and Sea)



X: 542,695;Y: 259,057 at scale 1:10,000



Enter a postcode or place name:

Other topics for this area...

Go

Risk of Flooding from Surface Water

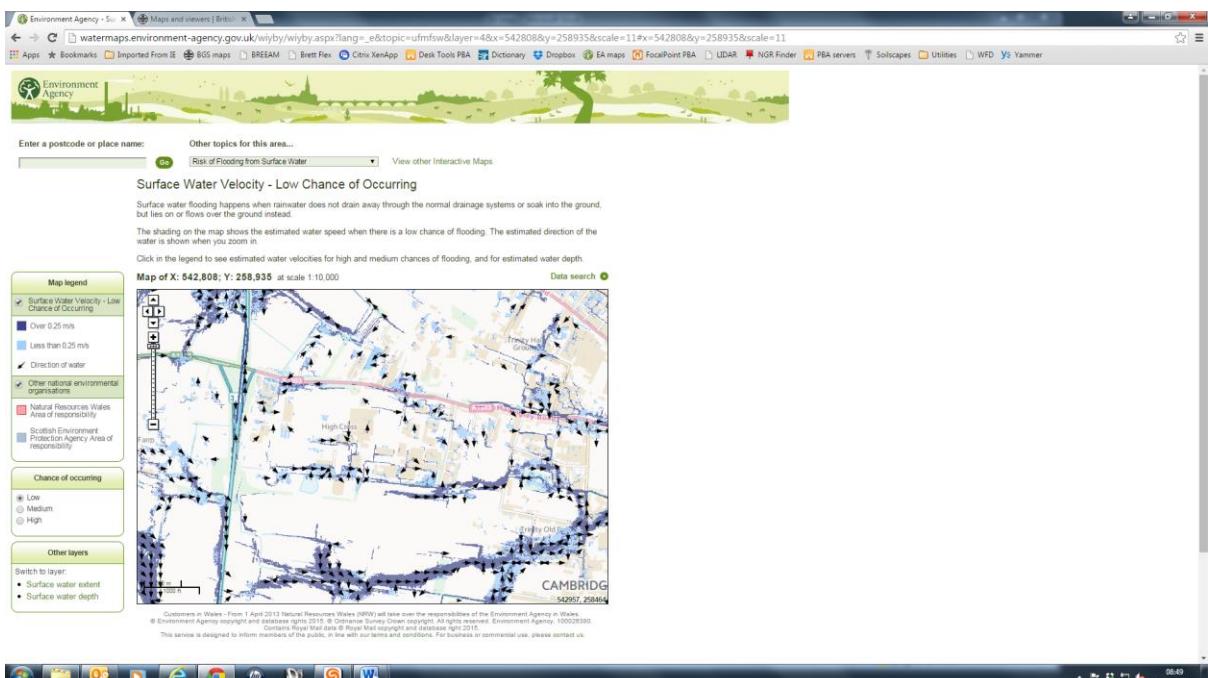
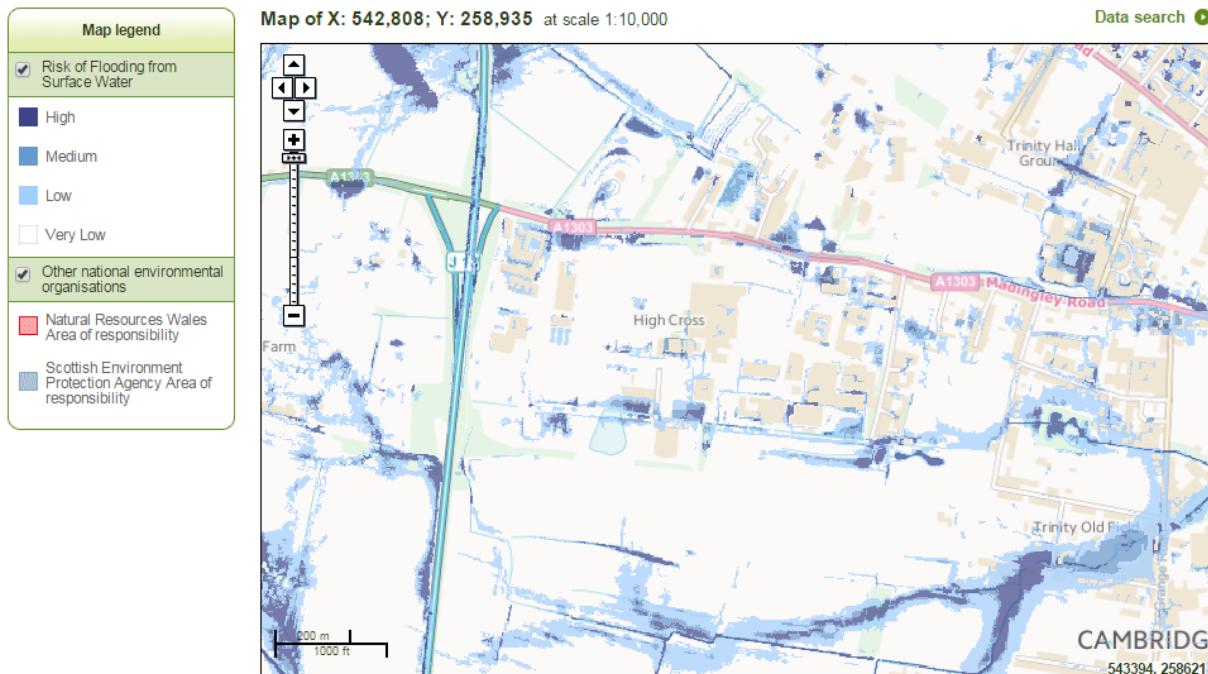
View other Interactive Maps

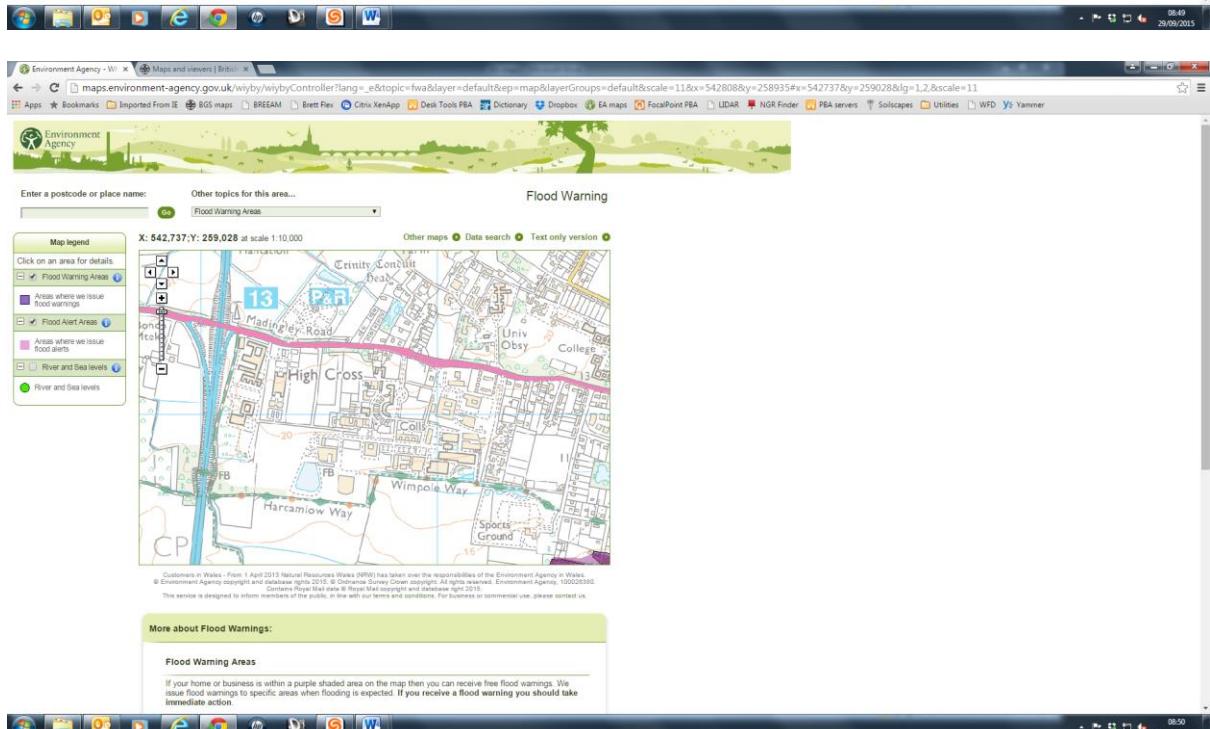
Risk of Flooding from Surface Water

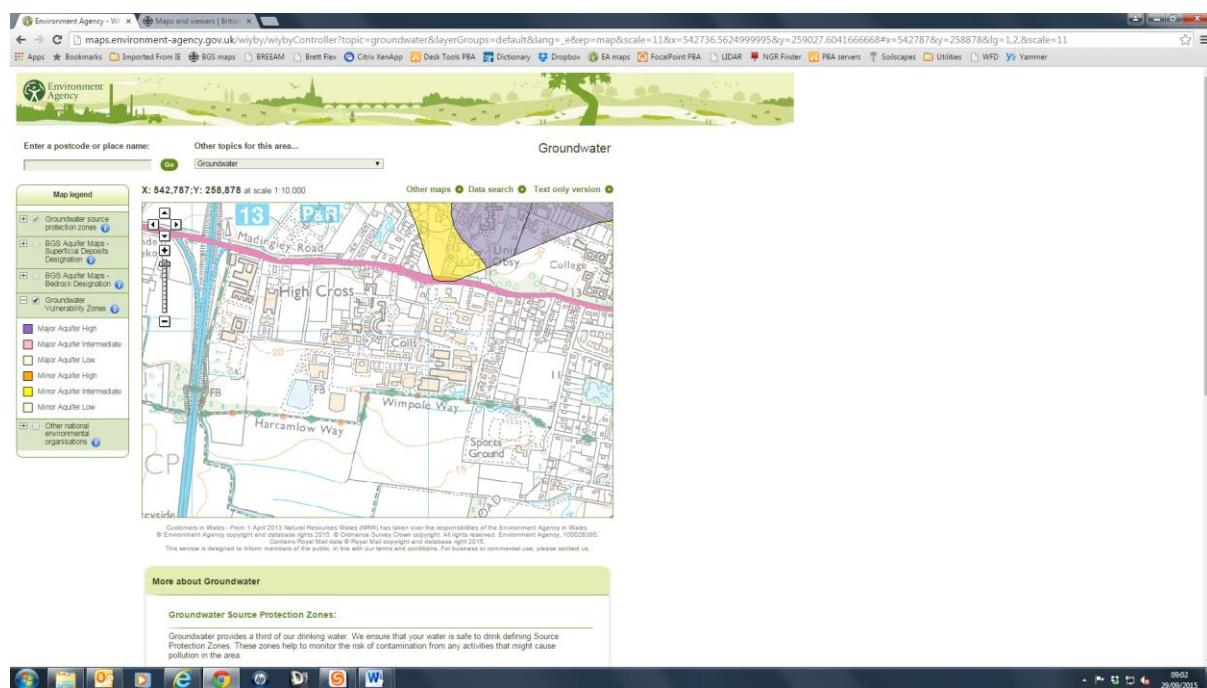
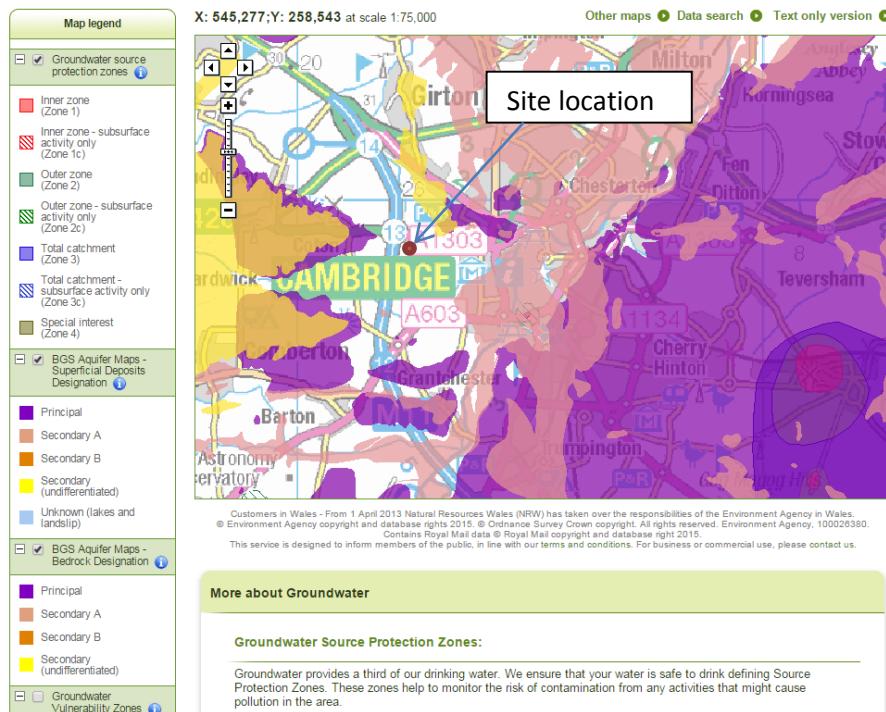
Surface water flooding happens when rainwater does not drain away through the normal drainage systems or soak into the ground, but lies on or flows over the ground instead.

The shading on the map shows the risk of flooding from surface water in this particular area.


Click on the map for a more detailed explanation.







Appendix O Illustrative Construction Phasing Plans



NOTES

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

2. ALL LEVELS ARE IN METRES RELATIVE TO ORDNANCE SURVEY NATIONAL GRID.

3. ALL COORDINATES ARE IN METRES RELATIVE TO ORDNANCE SURVEY NATIONAL GRID.

4. THE CONTRACTOR IS TO VERIFY ALL DIMENSIONS ON SITE BEFORE COMMENCING WORK OR PREPARING SHOP DRAWINGS.

5. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL ENGINEERS AND ARCHITECTS DRAWINGS AND SPECIFICATIONS.

6. FOR FURTHER INFORMATION ON SITE WIDE PROPOSED STORAGE PROVISIONS AND ARRANGEMENTS PLEASE REFER TO PBA DRAWING 31500-2005-116, 117 & 118

7. ALL EXISTING PLOT LEVELS SHOWN ON THIS PLAN HAVE BEEN BASED OFF THE FOLLOWING; GREENFIELD TOPGRAPHIC SURVEY.

8. THE COVER LEVELS SHOWN ON THIS PLAN REPRESENT EXISTING GROUND LEVEL. THESE LEVELS WILL BE SUBJECT TO CHANGE AS PROPOSED WORKS AND DEVELOPMENT LEVELS ARE SET. THESE SHOULD THEREFORE BE SEEN AS HIGHLY INDICATIVE AT THIS STAGE.

9. ON PLOT STORAGE ESTIMATES SHOWN ON THIS PLAN ARE BASED OFF THE 1:100 YEAR +40% GROWTH EVENT AND ARE ASSUMING EACH PLOT UTILISES A SINGLE CONTROL, RELEASEING WATER AT THE 1:100 GREENFIELD RUNOFF RATE (MIN FLOW RATE OF 1%). SEE NOTE 14.

10. THE PIPES SHOWN ON THIS PLAN HAVE BEEN TESTED FOR FLOODING FOR THE 1:50 YEAR RETURN PERIOD STORM ONLY. IT WILL ALSO NEED TO BE DEMONSTRATED THAT FLOODING TO BUILDING AREAS DOES NOT OCCUR DURING THE 1:100 YEAR STORM EVENT. +40% CLIMATE CHANGE EVENT. UNTIL APPROPRIATE LEVELS HAVE BEEN DETERMINED AT THIS STAGE AND THEREFORE THE PIPE SIZES SHOWN ON THIS PLAN ARE SUBJECT TO REVIEWING WHEN PLOT LEVELS BECOME AVAILABLE.

11. ALL STORAGE VOLUMES SHOWN ON THIS PLAN HAVE INCLUDED FOR AN ADDITIONAL 40% ALLOWANCE FOR CLIMATE CHANGE. THIS REPRESENTS THE 'UPPER LIMIT' OF GOVERNMENT GUIDANCE.

12. THE COVER LEVELS SHOWN ON THIS PLAN REPRESENT EXISTING GROUND LEVEL. THESE LEVELS WILL BE SUBJECT TO CHANGE AS PROPOSED WORKS AND DEVELOPMENT LEVELS ARE SET. THESE SHOULD THEREFORE BE SEEN AS HIGHLY INDICATIVE AT THIS STAGE.

13. AREAS SHOWN HATCHED GREEN ON THIS PLAN INDICATE AREAS WHERE ONSITE PLOT STORAGE (DETERMINED TO NOTE 9) IS REQUIRED. INDIVIDUAL SITE DEVELOPERS ARE FREE TO DELIVER ON PLOT-SPECIFIC REQUIREMENTS AS DETERMINED BY THE CONTRACTOR. INVESTIGATION OF THE CHARACTERISTICS OF THEIR DEVELOPMENT, IT IS EN视觉理解

14. IT IS ASSUMED THE MINIMUM SW DISCHARGE RATE FROM INDIVIDUAL PLOTS WILL BE CAPTURED AT 1L/S. IN ORDER TO REDUCE BLOCKAGE RISK ASSOCIATED WITH FLOW CONTROLS, MONTHLY INSPECTIONS OF ALL FLOW CONTROLS IN ACCORDANCE WITH THE CAMBRIDGESHIRE SUDS ADVICE GUIDE WILL BE CARRIED OUT AND OVERFLOW WEIRS INSTALLED.

15. PEAK FLOW FLUXES SHOWN ON THIS PLAN HAVE BEEN DETERMINED BY MULTIPLYING TOTAL PLOT DEVELOPABLE FLOOR AREAS (TAKEN FROM ECON DEVELOPMENT SCHEDULE VERSION 5, DATED 02.2016) BY 2.5%. THIS CAPACITY HAS BEEN AGREED WITH ANGLIAN WATER.

16. ALL FINISHED FLOOR LEVELS WILL BE ESTABLISHED TAKING IN FULL ACCOUNT DRAINAGE CONNECTIONS.

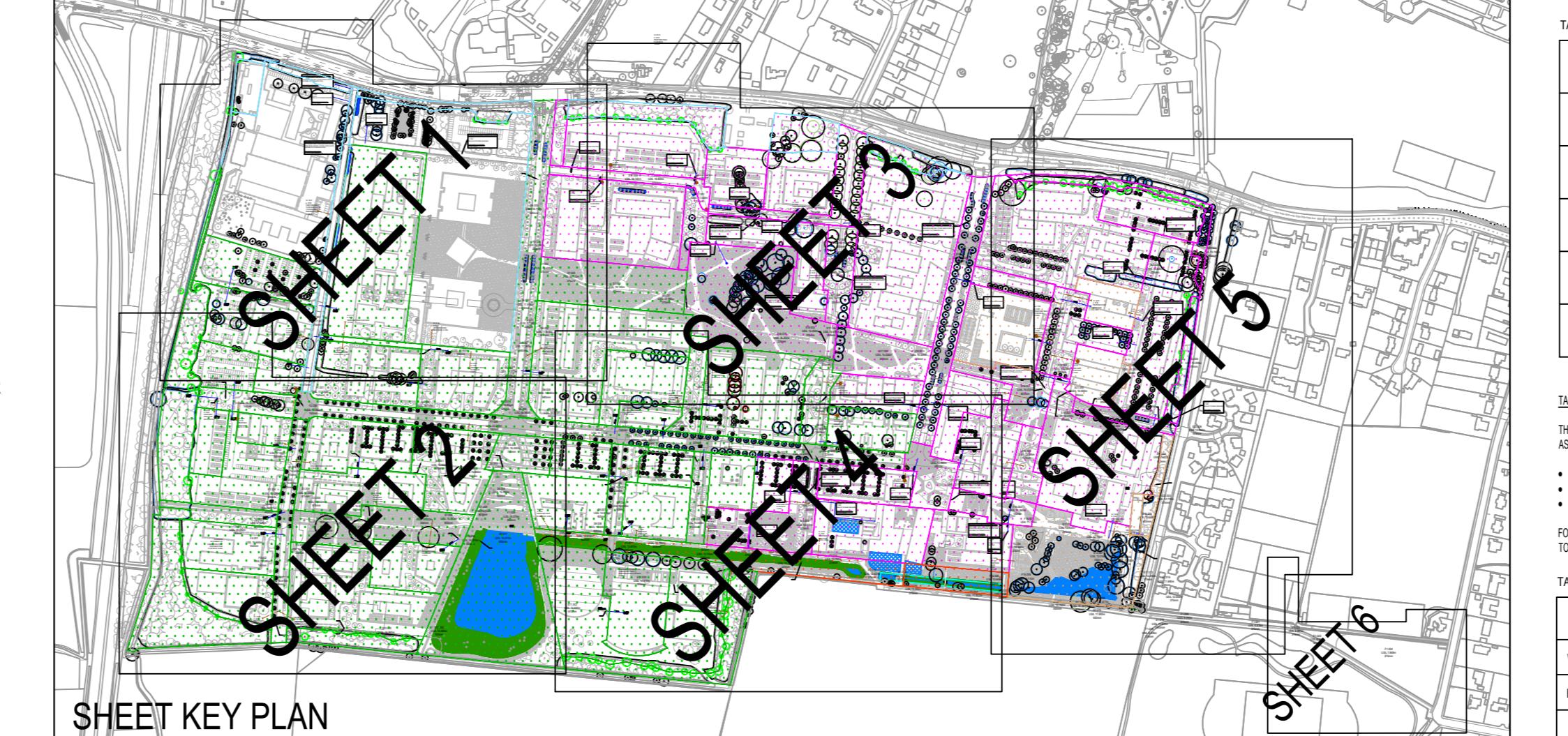
17. WHILST AREAS SHOWN HATCHED GREEN ON THIS PLAN HAVE A FREE FLOW DISCHARGE TO THE EXISTING WESTERN LAKE, INDIVIDUAL PARCEL OWNERS WILL BE REQUIRED TO IMPLEMENT MEASURES ONSITE TO PROVIDE TREATMENT OF FLOWS LEAVING PLOTS.

18. ALL DEVELOPMENT PARCELS IMPLEMENTING SERVICE YARDS WILL BE REQUIRED TO ENSURE ALL RUNOFF LEAVING THESE AREAS IS PASSED THROUGH A CLASS 1 BYPASS SEPARATOR PRIOR TO RUNOFF ENTERING THE WIDER SURFACE WATER NETWORK.

19. SUDS FEATURES SHOWN ON THIS PLAN ARE INDICATIVE. ALL LOCATIONS SHOWN ARE SUBJECT TO VERIFICATION AND CO-ORDINATION WITH EXISTING AND PROPOSED UNDERGROUND UTILITY INFRASTRUCTURE. ALL FEATURES TO BE IN ACCORDANCE WITH CAMBRIDGESHIRE SUDS DESIGN AND ADOPTION GUIDE.

20. THESE INSET PLOT PLANS ARE TO BE READ IN CONJUNCTION WITH THE INFRASTRUCTURE DRAWINGS, 38814/2001/104-18

21. IT WILL BE THE RESPONSIBILITY OF PLOT DEVELOPERS TO ENSURE THEIR INDIVIDUAL PLOT DRAINAGE ARRANGEMENTS ARE ROUTED TO THE SPUR CONNECTION DISCHARGE POINTS SHOWN ON THIS DRAWING. THIS INCLUDES EXISTING BUILDINGS WHICH WILL REQUIRE THEIR EXISTING DRAINAGE TO BE AMENDED TO ALIGN WITH THE PROPOSED STRATEGY SHOWN ON THIS DRAWING.



	COMBINED TOTAL CATCHMENT AREA (ha)	COMBINED TOTAL ASSIMILATED IMPERMEABLE AREA (ha)	PROPOSED SURFACE WATER RELEASE RATE (mm/h)
GATEWAY AREA DRAINING DIRECTLY TO SOUTH WEST LAKE	31.00ha	30.00ha	1 IN 100 GREENFIELD RUNOFF RATE FOR ALL STORM EVENTS
GATEWAY AREA DRAINING DIRECTLY TO CANAL	14.00ha	13.00ha	1 IN 100 GREENFIELD RUNOFF RATE FOR ALL STORM EVENTS
GATEWAY AREA DRAINING DIRECTLY TO STREET 3	22.00ha	15.00ha	1 IN 100 GREENFIELD RUNOFF RATE FOR ALL STORM EVENTS (CATCHMENT AREA 1:100)
GATEWAY AREA DRAINING DIRECTLY TO ONWALL ROAD	8.00ha	6.00ha	1 IN 100 GREENFIELD RUNOFF RATE FOR ALL STORM EVENTS (CATCHMENT AREA 1:100)
GATEWAY AREA DRAINING DIRECTLY TO PAVED POND	3.00ha	1.00ha	1 IN 100 GREENFIELD RUNOFF RATE FOR ALL STORM EVENTS
TOTAL	46.00ha	44.00ha	

	TOTAL CATCHMENT AREA (ha)	TOTAL ASSIMILATED IMPERMEABLE AREA (ha)
WAGHORN BROOK CATCHMENT	8.00ha	6.00ha
BIN BROOK CATCHMENT	58.10ha	38.80ha
TOTAL	66.10ha	44.80ha

