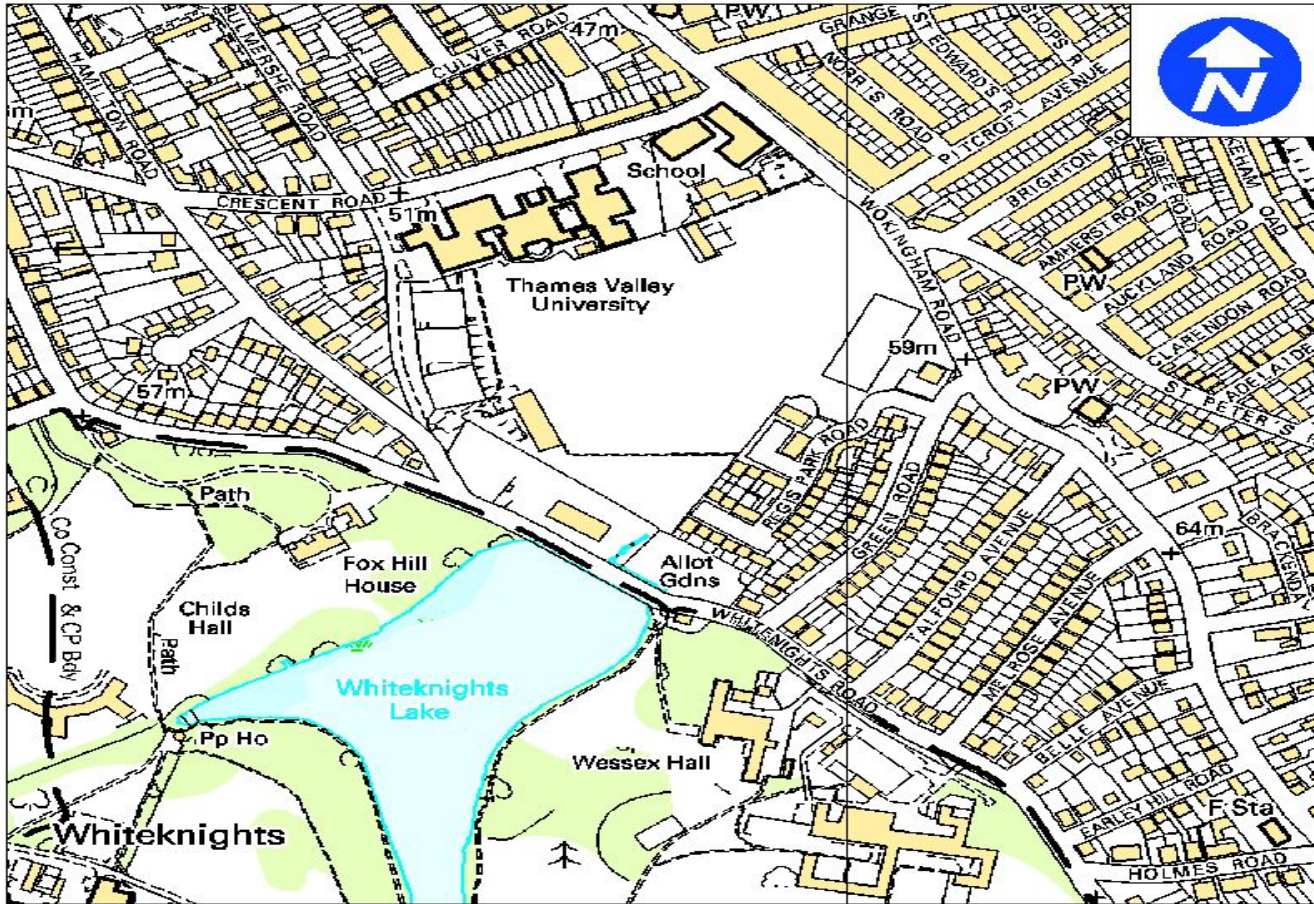


Whiteknights Reservoir

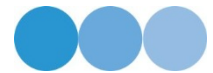
Works in the Interest of Safety



Location Plan (NTS)



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Whiteknights Reservoir - Background

- 70,000m³ capacity reservoir located within University of Reading (UoR) land
- UoR are the owners of the reservoir
- Built in the middle of the 18th Century;
- The reservoir is retained by an earthfill embankment (max height 5m);
- Four organisations acting as “undertaker” as defined by the Reservoirs Act 1975; UoR, B & M Care Home and Reading Borough Council as landowner of the allotment site and highway authority of Whiteknights Road.



Whiteknights Road



B & M Care Home Site



Allotment Site Embankment



Reservoirs Act 1975 Section 10

Inspection

- Section 10 report required every 10 years (UoR) (Sept 2011)
- UoR appointed Qualified Civil Engineer to carry out the Section 10 report and certify all improvement works
- Recommendations as to measures to be taken in the interests of safety under Section 10(6) of the Act:
- Recommendation (v) requires the allotment side of the embankment crest and downstream slope are modified to ensure that it can withstand the probable maximum flood (PMF) without damage
- B & M Care Home installed a spillway and boundary wall to control run off past their site safely



Current Spillway at B & M Care Home Site:



Reservoirs Act 1975 Section 12 Annual Inspections

- The UoR also commission the annual Section 12 inspections
- Appoint a Supervising Engineer who provides an annual statement to the Environment Agency (EA) and confirms that recommendations of Section 10 report complied with.
- The EA are the enforcement Authority.



Progress to Date:

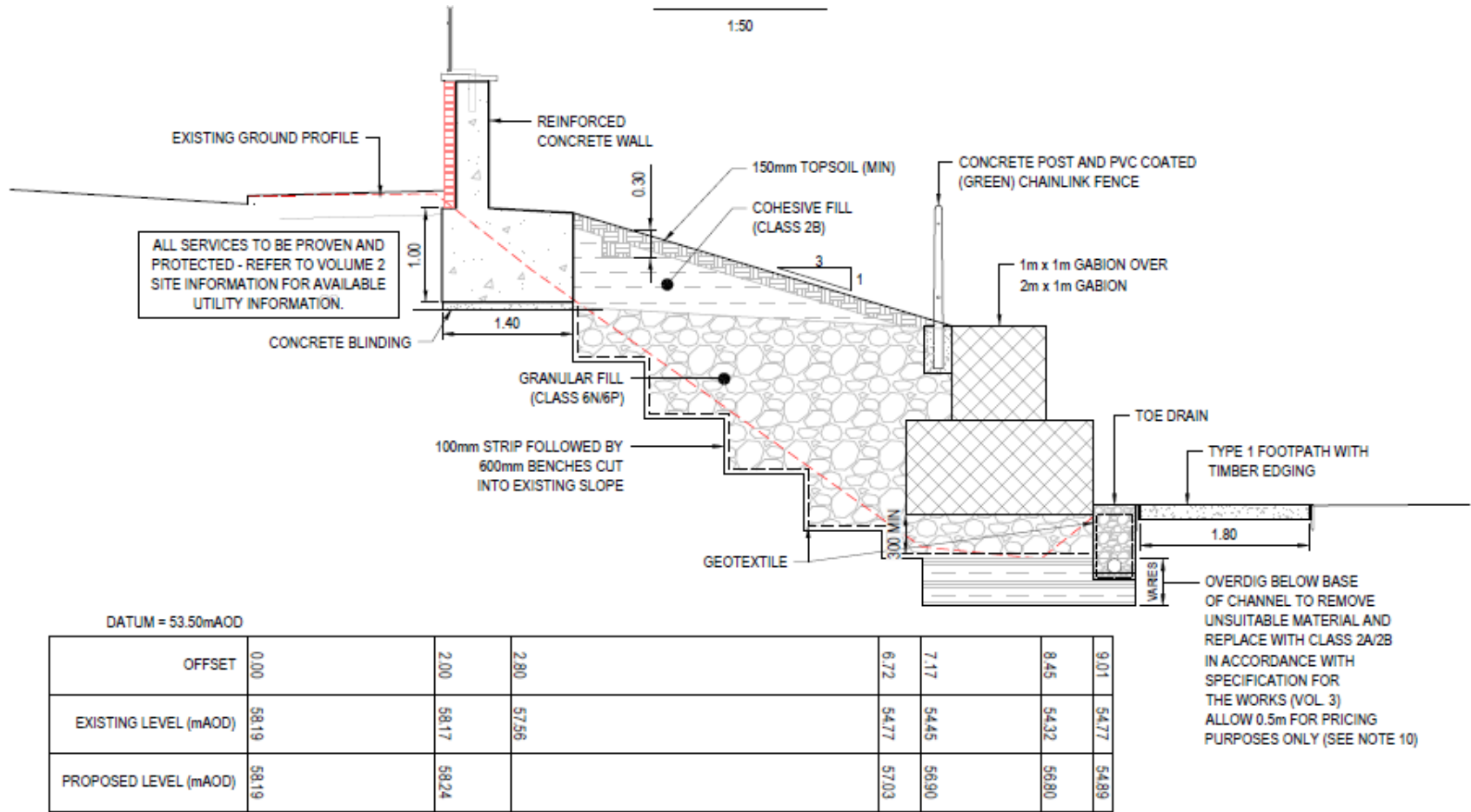
- Planning Consent for a sheet pile engineering solution gained Planning Consent on 15th February 2016.
- The solution would have meant that Whiteknights Road would need to be closed to all traffic of up to 4 months with vehicle and pedestrians being diverted.
- Revised Planning Application submitted and going before Planning Committee on 29th June 2016 with a gabion basket retaining structure solution which will reduce the impact on Whiteknights Road and no longer require lengthy road closures.



Gabion Option – Plan (nts)



Section B- B (nts)



SECTION B-B

1:50



VISUAL DRAWING OF PROPOSED WALL (Before & After)



Indicative Programme

- Revised Planning Application 29th June 2016
- Tender Return Opening 11th July 2016
- Award of Tender last week in July 2016
- Start of works on site Mid-August 2016
- Completion of works Mid -December 2016

