

Havant Thicket Winter Storage Reservoir

3 - Technical Requirements of Reservoir

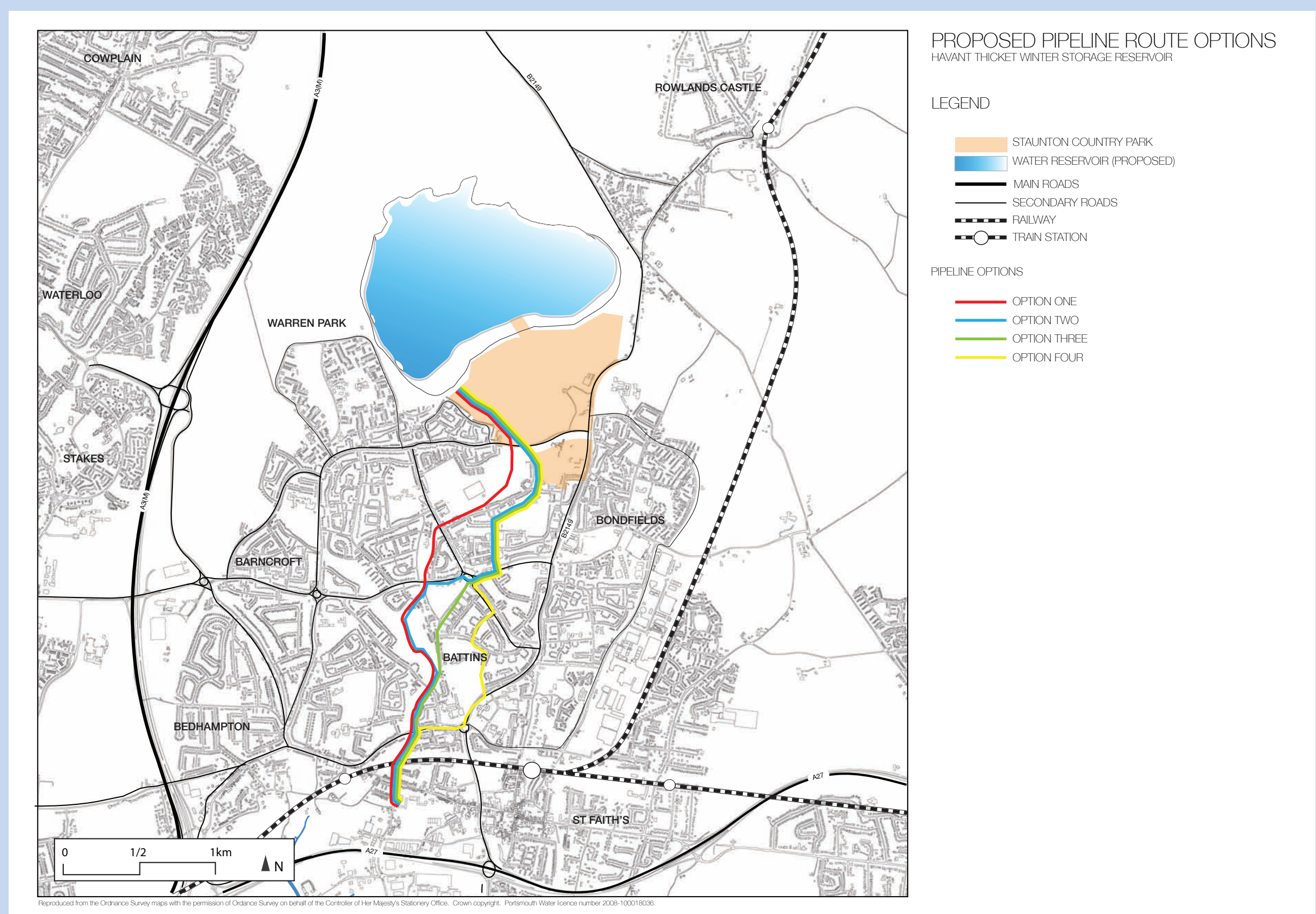
Inlet and Outlet Pipelines

In order to fill the reservoir, a pipeline route will be needed between Havant & Bedhampton and the Havant Thicket site. The pipelines will be buried with the top of the pipes at least 900mm below ground.

Four possible pipeline routes are shown below:

- **Red Route** - laid in the embankments of the Hermitage Stream from Bedhampton to Corhampton Crescent and then laid alongside the Riders Lane Stream from Corhampton Crescent through Great Copse and crossing Middle Park Way between Bitterne Close and High Lawn Way.
- **Blue Route** - as for the red route, laid alongside the Hermitage and Riders Lane Streams from Bedhampton Crescent to Purbrook Way and then laid in Purbrook Way, Stockheath Road, Somborne Drive and High Lawn Way.
- **Green Route** - laid in/alongside Stockheath Lane, Stockheath Road, Somborne Drive and High Lawn Way.
- **Yellow Route** - laid in New Road, Petersfield Road, Havant College grounds, Holybourne Road, Blendworth Crescent, Kingsworthy Road, Colemore Square, Bedhampton Way, Stockheath Road, Somborne Drive and High Lawn Way.

Those routes, following the routes of the streams, will cause less disturbance to road traffic and residents, while those laid in the roads will avoid any impact upon the watercourses.



Overflow and Emergency Emptying

When the reservoir is full it is unlikely, but possible, that heavy rainfall could cause it to overflow. An overflow structure has to be provided for this to happen in a controlled way. This is proposed to discharge into the Park Lane Stream (a tributary of the Hermitage Stream) through an open channel.

In emergency it will be possible to use the inlet pipeline, as well as the outlet pipeline to ensure the draw down is completed in the minimum time.

