

Drainage and Wastewater Management Plan (DWMP)

DWMP Investment Needs

1. The options listed in the DWMP Investment Needs below are the preferred options in our DWMP. They will need further refinement as we implement the DWMP to confirm the exact location and scope of action needed, and the cost.
2. The costs are indicative costs for planning purposes only. The basis for the cost estimates, including assumptions and uncertainties, are explained in our DWMP Investment Plans.
3. The table of Investment Need provides an indicative cost so we know what level of funding is needed to reduce the risks. It is not a commitment to fund or deliver any option.
4. The Indicative Timescale is when the investment is needed. Some options may take several investment periods to achieve the desired outcomes.
5. Potential Partners have been identified in the table of Investment Needs. This is to indicate where there may be opportunities for us to work with these partners when developing and delivering these options. It is not a commitment by any of the partners to work with us.
6. These options will inform our future business plans as part of the Ofwat periodic review process to secure the finance to implement these options.
7. The options listed are prioritised by the method stated in the [Programme Appraisal Technical Summary](#).

Date : May 2023

Version : 1.0

| Reference | River Basin (L2) | Wastewater System (L3) | Location | Option | Indicative Cost | Indicative Timescales | Potential Partners | Applicable Planning Objectives |
|------------------------|------------------|------------------------|---|--|-----------------|-----------------------|---|--------------------------------|
| Test and Itchen | | | | | | | | |
| Barton Stacey | | | | | | | | |
| BAST.SC03.1 | Test and Itchen | Barton Stacey | Gangbridge Lane | Customer Education Programme: Targeted campaign to reduce the amount of FOG (fats, oils and grease) and unflushables discharged into the sewer network | £115K | AMP8 onwards | Hampshire County Council Test Valley Borough Council | PO1 |
| BAST.PW01.4 | Test and Itchen | Barton Stacey | System Wide | Sewer Rehabilitation: Targeted CCTV or electroscan surveys to check the integrity of sewers and relines or renew them to reduce the risk of groundwater pollution | £975K | AMP9 | - | PO12 |
| BAST.PW01.5 | Test and Itchen | Barton Stacey | Gangbridge Lane | Enhanced Sewer Maintenance: Increase targeted sewer jetting to reduce the number of blockages in the network | £25K | AMP8 onwards | - | PO1 |
| BAST.PW01.6 | Test and Itchen | Barton Stacey | St Mary Bourne WPS | Improve the operational resilience of wastewater pumping station (WPS) to reduce pollution incidents | £235K | AMP8 onwards | - | PO2 |
| BAST.PW01.7 | Test and Itchen | Barton Stacey | St Mary Bourne WPS | Improve the operational resilience of wastewater pumping station (WPS) to reduce flooding incidents | £235K | AMP8 onwards | - | PO1 |
| BAST.PW01.8 | Test and Itchen | Barton Stacey | Hurstbourne Park Estate (On Bourne Rivulet) | Sewer Rehabilitation: Targeted CCTV or electroscan surveys and sewer rehabilitation to reduce the risk of sewer bursts and collapses | £65K | AMP8 onwards | - | PO2 |
| BAST.PW02.2 | Test and Itchen | Barton Stacey | Barton Stacey WTW | Increase treatment capacity to allow for planned new development | £730K | AMP9 | - | PO6 |
| BAST.PW02.3 | Test and Itchen | Barton Stacey | Barton Stacey WTW | Increase capacity to allow for planned new development | £720K | AMP9 | Environment Agency | PO8 |
| BAST.OT01.5 | Test and Itchen | Barton Stacey | System Wide | Improve the Hydraulic Model: Surveys and verification of model to improve confidence and accuracy | £225K | AMP8 | - | PO4 PO5 PO7 |
| BAST.OT01.6 | Test and Itchen | Barton Stacey | System Wide | Study and Investigation: Investigation to identify the root cause of internal flooding and measures to reduce the number of incidents | £TBC | AMP10 | Hampshire County Council Test Valley Borough Council | PO4 PO5 PO7 PO12 |
| BAST.OT01.7 | Test and Itchen | Barton Stacey | System Wide | Study and Investigation: Investigate the risk of groundwater pollution from trade effluent conveyed within the sewer system | £TBC | AMP10 | Hampshire County Council Test Valley Borough Council Environment Agency | PO2 PO12 |
| BAST.WINEP.PO2.1 | Test and Itchen | Barton Stacey | Barton Stacey WTW | Conversion to denitrification and provision of additional tertiary treatment capacity to achieve 10mg/l Total Nitrogen permit (WINEP action 08SO104002) | £8,789K | AMP8 | - | PO11 |
| BAST.WINEP.PO2.2 | Test and Itchen | Barton Stacey | Barton Stacey WTW | Expansion of the existing Ferric Dosing system and provision of alkalinity dosing - conventional treatment (ferric dosing, potentially including alkalinity dosing and/or deep bed sandfilters) (WINEP OAR 08SO102634) | £2,664K | AMP8 | - | PO9 |