

Candover Drought Scheme

Itchen Valley Parish Council

20 June 2019



from
**Southern
Water** 

Summary

- Introductions
- Background to the Candover Drought Scheme
- Overview of the Candover Drought Scheme
- The Draft Pipeline Proposals
- Approach to Planning and Environmental Assessments
- Next Steps
- Questions?

Background to the Candover Drought Scheme

- Southern Water's existing abstraction licences relating to the River Test and River Itchen have been changed thereby reducing water that can be abstracted by Southern Water for supply purposes in low flows
- As a result, significant investment is planned in new infrastructure, demand management and other solutions in Hampshire and Isle of Wight
- These long-term solutions are proposed to be in place by 2027, but in the interim there is a risk to customer supplies in a drought event
- Interim solutions agreed with Environment Agency is for Southern Water to be able to rely on Drought Permits and Orders for the River Test, River Itchen and the Candover Drought Scheme
- Alongside this, Southern Water is making £multi-million investments in environmental monitoring, mitigation and compensation packages



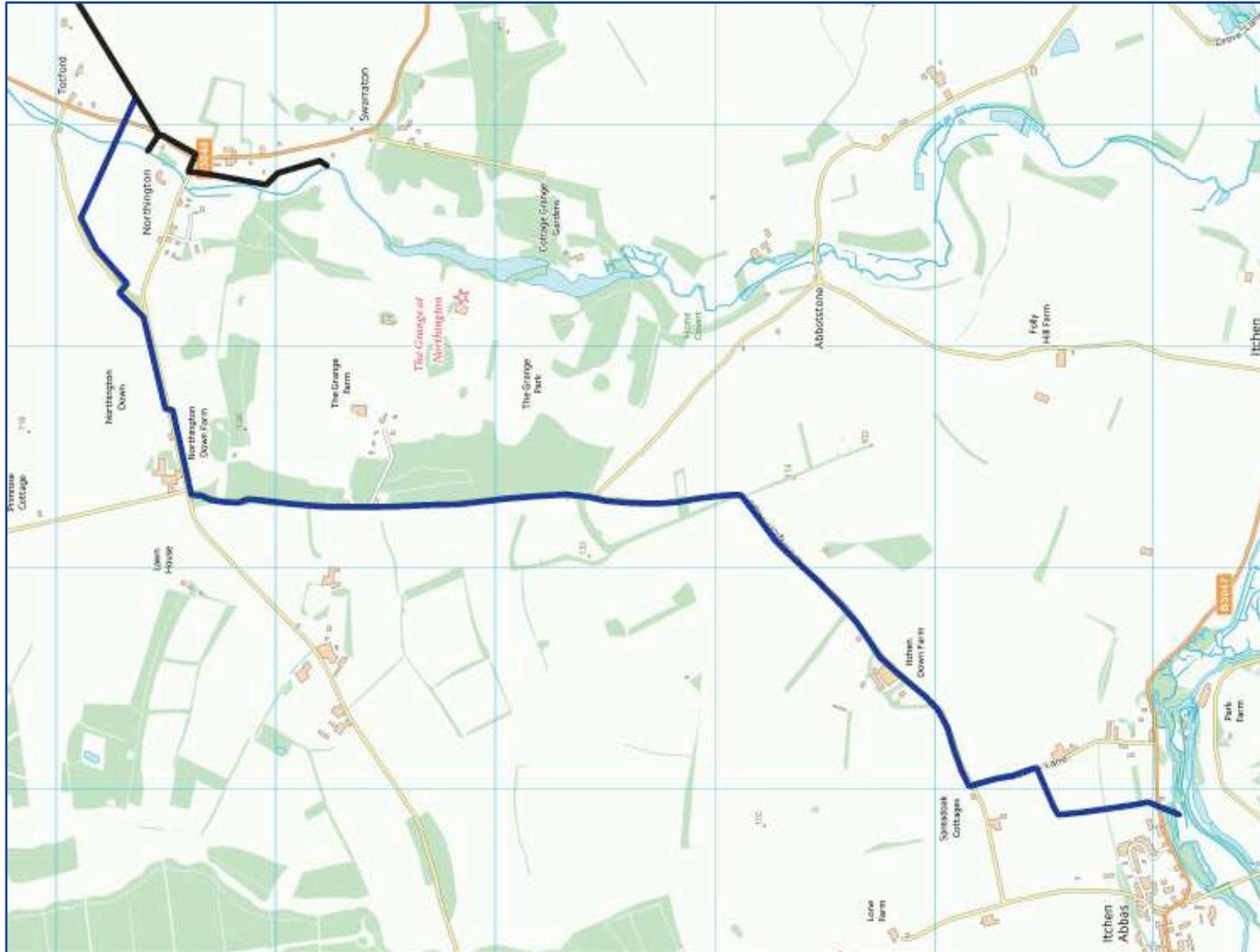
Overview of the Candover Drought Scheme

- Existing Environment Agency scheme:
 - Comprises boreholes located within the Candover Valley, with below ground pipeline discharging to Candover Stream at Northington
 - Installed for 1976 drought, not frequently operated since, but has been used for test pumping
- Proposed Candover Drought Scheme:
 - Abstraction from existing Candover boreholes of up to 27MI/d
 - Discharge via new pipeline to the River Itchen at Itchen Abbas (with ability to discharge some flow to Candover Stream for environmental gain)
 - Package of environmental mitigation and compensation
 - Will only operate under a Drought Order issued by Secretary of State
 - Will be decommissioned at end of this interim solution (when permanent alternative resources provided)



The Draft Pipeline Proposals

- Approximately 6km of 500mm diameter pipeline
- Up to 20 small sections would be buried underneath roads, track crossings, PRow's and sensitive features
- Majority would be temporary above ground pipeline (black in colour)
- Discharge proposed into the existing fish farm intake structure at Itchen Abbas
- Temporary booster pumps and telemetry equipment near Northington, during a drought
- Temporary construction compounds along route for installation
- Anticipated installation programme to install the above ground pipe estimated at four months
- Above ground pipe would be removed after drought, and stored, ready for next drought



PIPELINE ROUTE IS DRAFT AND SUBJECT TO CHANGE



from
**Southern
Water**

Approach to Planning and Environmental Assessments

- Pre-application advice sought from Winchester City Council and South Downs National Park Authority
- Pre-application discussions taking place with Environment Agency, Natural England and the Hampshire and IoW Wildlife Trust
- Environmental surveys are ongoing including ecology and landscape and visual
- EIA (Environmental Impact Assessment) Screening opinion to be sought from planning authorities
- Will confirm approach and timing of securing planning and other consents
- Intention is to secure consents and implement below ground works so Scheme is ready in case of a drought



Next Steps

- Continue pre-application discussions:
 - Including details of river crossings and discharge with Natural England
 - Further discussions with planning authorities on consents required
 - Submit EIA Screening request
- Continue engagement with landowners potentially affected
- Further engagement with Parish Councils and local community before any applications for consents
- Southern Water is continuing its preparations for a potential drought

Questions ?



from
**Southern
Water** 