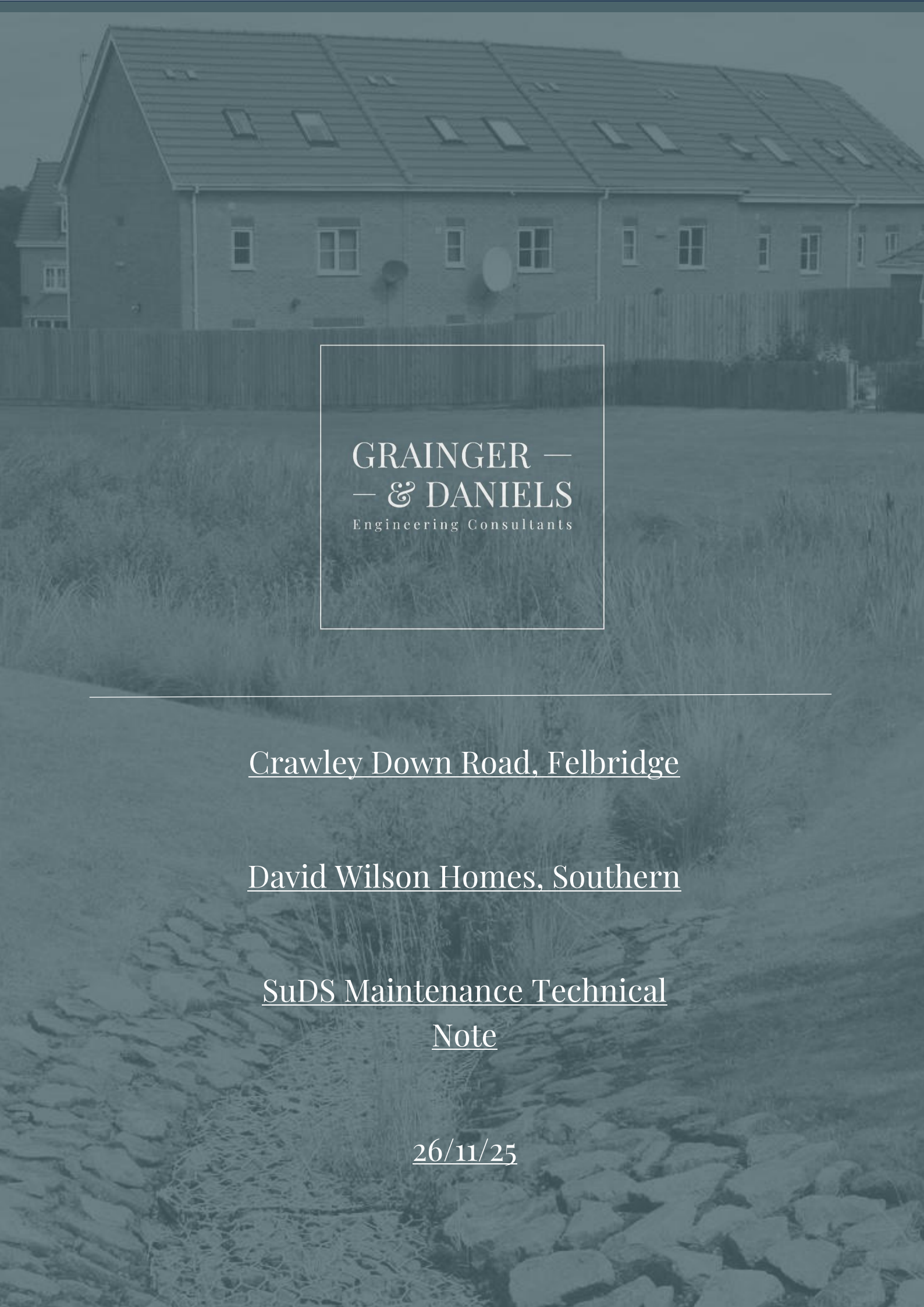




GRAINGER —
— & DANIELS
Engineering Consultants

Crawley Down Road, Felbridge

David Wilson Homes, Southern

SuDS Maintenance Technical
Note

26/11/25

Document Control Sheet

Project	Crawley Down Road, Felbridge
Project Number	25032
Client	David Wilson Homes, Southern
Document Reference	25032-GD-XX-XX-TN-DS-0001
Date	26.11.25

Document Production Record

Prepared by	Aaron Daniels
Checked by	Mathew Grainger

Quality Management

Revision	Description	Date	Prepared By	Checked by
P01	First Issue	16/09/25	AD	MG
P02	Updated to LLFA comments	26/11/25	MG	AD

Grainger & Daniels Limited has prepared this report in accordance with the instructions of the above-named client for their sole specific use. Any third parties who use the information herein do so at their own risk. The report has been compiled using the resources agreed with the client and in accordance with the scope of work agreed with the client. No liability is accepted by Grainger & Daniels Ltd for any use of this report, other than the purpose for which it was prepared. The report does not account for any changes relating to the subject matter of the report, or any legislative or regulatory changes that have occurred since the report was produced and that may affect the report. Grainger & Daniels Ltd accepts no responsibility for any documents or information supplied to Grainger & Daniels Ltd by others and no legal liability arising from the use by others of opinions or data contained in this report. No part of this report may be copied or reproduced, by any means, without the prior written consent of Grainger & Daniels Ltd.

1.0 Technical Note

This Technical Note has been prepared by Grainger and Daniels Ltd on behalf of their client, David Wilson Homes, to identify the relevant SuDS maintenance requirements as per the Grainger and Daniels Drainage Strategy.

1.1 Sustainable urban Drainage Systems (SuDS) Maintenance

To ensure the drainage strategy operates at its optimum performance, all elements shall require maintenance. The maintenance strategy and responsibilities are set out in the below tables. The Technical Note has been compiled in-line within Ciria C753 'The SuDS Manual' guidance and outlines the maintenance requirements of each element of the proposed SuDS design.

All SuDS features and associated drainage shall be constructed and in-use prior to first occupation.

Table 1.01 Attenuation Basin

Maintenance Required	Actions	Frequency
Litter Removal	Litter and debris to be removed. Litter quantity and type dependent upon site. Litter may collect within ponds and wetland features. Litter collection should become part of the general landscape maintenance and carried out at the beginning of the task, particularly prior to grass cutting. All litter shall be removed from site.	Monthly
Grass Cutting	Grass cutting to be carried out to the slopes and base of the basin. Grass cutting may be managed on site through wildlife or compost piles where possible.	Monthly
Scrub Clearance	Overhanging branches and encroaching growth to be managed	Yearly
Silt Removal	Silt to be removed from base of the basin. Silt build-up is slow and as long as silt is managed upstream also, 5 year maintenance intervals should be sufficient.	Every 5 years
Vegetation	Inspect vegetation and remove nuisance plants	Monthly for 3 months, then as required.
Inlets/Outlets	Inspect inlets and outlets for blockages and damage and remediate as required	Monthly
Erosion	Any signs of erosion or other damage to be repaired.	As required
Structures	Inspect structures for evidence of poor operation	Monthly or after large storms
Eutrophication	Inspect water body for signs of eutrophication	Monthly

Table 1.02 Inlet and Outlet Headwalls

Maintenance Required	Actions	Frequency
Litter Removal	Litter and debris to be removed. Litter quantity and type dependent upon site. Litter may collect within ponds and wetland features. Litter collection should become part of the general landscape maintenance and carried out at the beginning of the task, particularly prior to grass cutting. All litter shall be removed from site.	Monthly
Flap valves and grills	Flap valves and grills to be checked and cleared of obstruction	Quarterly
Scrub Clearance	Overhanging branches and encroaching growth to be managed. Inspect vegetation around the headwalls and remove nuisance plants. Tidy all dead growth before growing season.	Monthly, then as required
Sediment	Sediment to be removed from aprons	Annually
Inspect/repair	Inspect and repair headwalls, structures and pipework.	As required

Table 1.03 Hydrobrake Flow Control Manhole

Maintenance Required	Actions	Frequency
Scrub Clearance	Overhanging branches and encroaching growth to be managed. Inspect vegetation around the headwalls and remove nuisance plants. Tidy all dead growth before growing season.	Monthly, then as required
Blockages	Inspect flow control devices, pipework and structures for blockages, poor operation or physical damage	Monthly, after large storm
Sediment	Sediment to be removed from flow control chambers.	Yearly

1.2 Responsible Parties and Management Arrangements

On completion of the development and prior to first occupation, all SuDS features and associated drainage infrastructure will be handed over to the selected SuDS maintenance company.

The SuDS Management Company will be responsible for:

- Inspection and routine maintenance of all SuDS components described in this Technical Note.
- Appointment and supervision of competent contractors to carry out specialist maintenance when required.

- Keeping records of all inspections, maintenance visits and any remedial works.
- Periodic review of the SuDS maintenance plan over the lifetime of the development, and updating procedures where necessary.

1.3 Record Keeping

The SuDS Management Company will maintain a central log of all inspections, routine maintenance and remedial works. Records will include, as a minimum:

- Date of visit;
- Name of person/contractor undertaking the work;
- SuDS feature(s) inspected / maintained;
- Summary of observations and works carried out;
- Any further actions required and target dates.

Records will be stored electronically by the SuDS Management Company and retained for a minimum of **six years**, or longer where required by legal obligations.

1.4 Periodic Review of the SuDS Maintenance Plan

The SuDS Maintenance Plan will be formally reviewed **every five years**, or earlier if:

- There is a significant change to site drainage infrastructure; or
- Persistent operational issues are identified.

The review will consider the effectiveness of current maintenance activities, any changes to national or local SuDS guidance, and feedback from maintenance contractors. Revisions will be recorded and updated versions of this document issued to all relevant parties.

1.5 Replacement of SuDS Features at End of Design Life

Individual components (e.g. flow control devices, pipework, manhole covers, headwalls) will be replaced when they reach the end of their design life or when inspection identifies that performance has degraded below acceptable levels. Replacement components will be of equal or better specification and will be installed to current best practice and manufacturer's recommendations.

1.6 SuDS Features and Drainage Plan

All SuDS features referred to in this Technical Note are shown on Drawing 25032-GD-XX-XX-DR-C-0121 Surface Water Drainage & SuDS Layout, submitted alongside this report.

1.7 Drainage Calculations

Surface water drainage calculations supporting the design and maintenance requirements described in this Technical Note are provided in report 25032_Felbridge_SW Network 1 Calcs, submitted alongside this document.