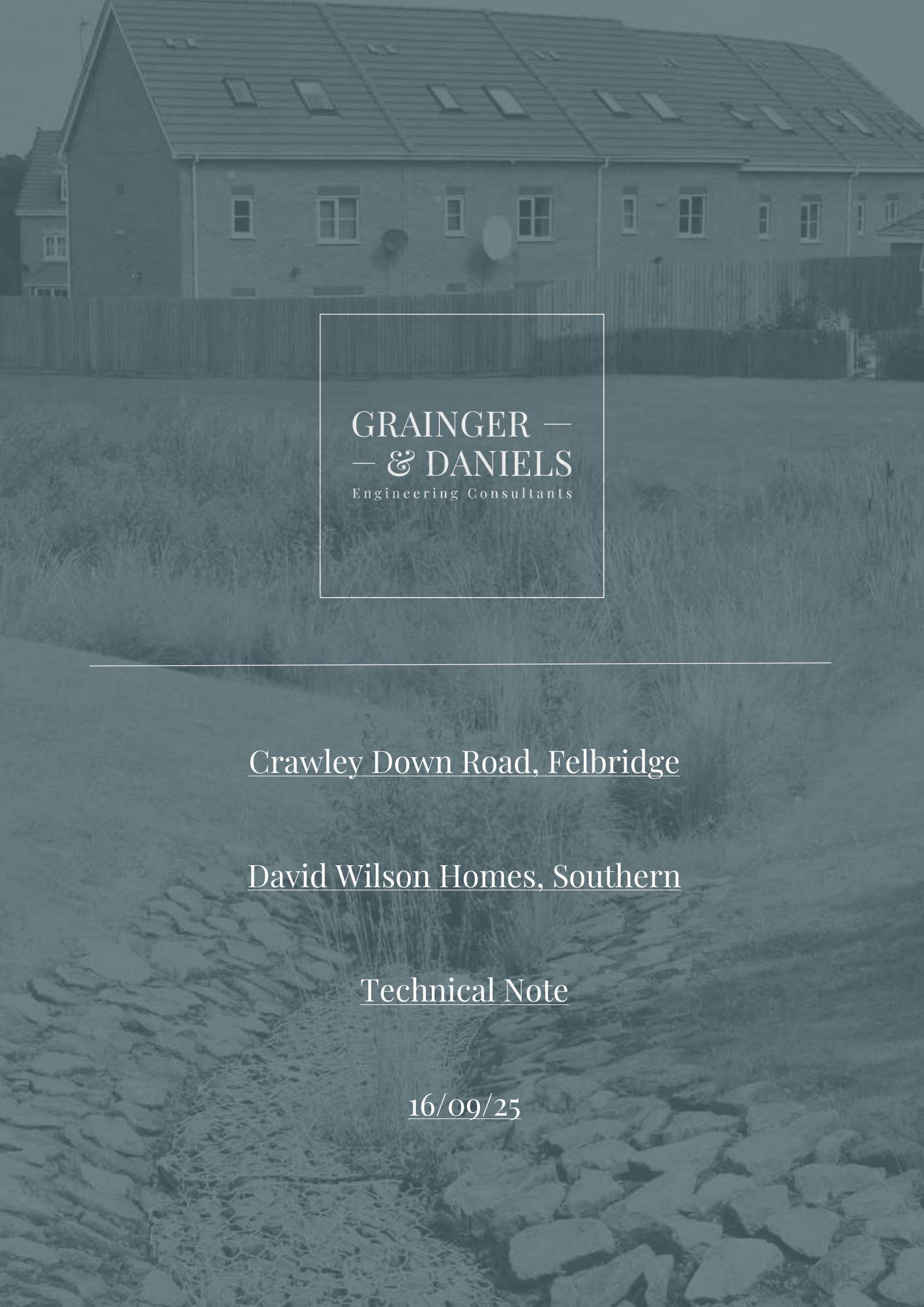




GRAINGER —
— & DANIELS
Engineering Consultants

Crawley Down Road, Felbridge

David Wilson Homes, Southern

Technical Note

16/09/25

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Prepared by	Aaron Daniels
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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 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 dependant 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