



**Hydrobrake Details**

Control Point	Head (m)	Flow (l/s)
Primary Design	1.500	6.100
Flush Flo	0.446	6.093
Kick Flo	0.919	4.839
Mean Flow		5.333

SHE-0109-6100-1500-6100

**SUDS Detention Basin**  
 Crest Level = 73.100  
 Bed Level = 71.650  
 2 year water level = 71.996  
 30 year water level = 72.264  
 100 = 50% CC water level = 72.912  
 Total volume of storage = 637m<sup>3</sup>

Exceedance flows will follow existing topography towards cycleway and existing culvert system

Basin crest locally lowered by 100mm to form emergency spillway for exceedance events

PCC headwall by Althon (ref: SFA6 B) with safety grille screen and 3-sided kee clamp

250mm deep marshy area in front of outlet headwall planted with reed beds for additional treatment and biodiversity provision

Sediment forebay area planted with reed beds for additional treatment and biodiversity provision

PCC headwall by Althon (ref: SFA10 B) with safety grille and 3-sided kee clamp

1.5m wide by 350-500mm high permeable berm formed with 20/40 clean angular stone wrapped in permeable geotextile finished with 100mm topsoil and grass-seed

2m x 2m x 0.3m deep gabion stone mattress in front of headwall for erosion protection and silt control

1m wide crest for access and maintenance

S16  
 Connection Chamber  
 13500  
 CL 70.300  
 IL 69.700 (3000)  
 IL 69.600 (4000)

- General**
1. This drawing should not be scaled - use figured dimensions only. If in doubt, ask.
  2. All dimensions are in millimetres unless stated otherwise.
  3. This drawing is to be read in conjunction with all relevant Architects drawings as well as all other drawings by RG Parkins (refer to RG Parkins drawing register).
  4. The Contractor is responsible for verifying all dimensions on site prior to commencing works.
  5. Any specified proprietary products are to be installed in strict accordance with manufacturers guidelines. No specified product should be substituted without gaining approval from RG Parkins.
  6. Invert levels shown on all incoming and outgoing pipes for manholes indicate the invert levels at the intersection of the pipes in the centre of the manhole.
  7. Connections into the manholes shall be constructed with the soffits level.

**Drainage Key**  
 Scale 1:200

	Existing Combined Water Public Sewer
	Existing Surface Water Culvert
	Foul Water Adopted Drainage - S104
	Foul Water Private Drainage
	Surface Water Adopted Drainage - S104
	Surface Water Private Drainage
	Surface Water Private Channel Drain
	Adopted Highways Drainage - S38

Rev	Description	Date	Revised by	Checked by	Approved
Issue Purpose: <b>Planning</b>					
Do not scale from this drawing					

**R G PARKINS**  
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Client: <b>Washington Homes</b>	Scale @ A1: 1:200	First Issue: 26/01/24	Office of Origin: Kendal
Project: <b>Scalegill Road, Moor Row</b>	Drawn by: RH	Checked by: OS	Approved: TM
Drawing Title: <b>Foul &amp; Surface Water Drainage Plan Sheet 2 of 2</b>	Project No: <b>K40461</b>	Drawing No: <b>21</b>	Rev:
	BIM No:		