



## **B.3 DA03 Gravesham Rural**

Thameside Stage 1 SWMP : Summary and Actions Drainage Area 03				
Area overview				
Area (km <sup>2</sup> ) 76				
Drainage assets/systems	Туре	Known Issues/problems	Responsibility	
Sewer Network	Sewers (combined, foul and surface water)	Known problems of surcharging and overloaded sewers at numerous locations across the drainage area	Southern Water and Thameswater	
Shorne and Higham Marshes	Main river and ordinary watercourse	There are no known issues.	Environment Agency/Landowner/KCC	
Unnamed Drains - collection of drains	Oridinary watercourse	There are no known issues.	Landowner/KCC	
Flood risk				
Receptor	Source	Pathway	Historic Evidence	
A: Lower Higham	Heavy rainfalll resulting in surface water run off and overloaded sewers	Southern Water Sewers Surface water flows along Church Street and Chequers Street	There is historic evidence of run off affecting highways and overloaded sewers. FMfSW 1 in 200 yr (deep)	
B: Higham	Heavy rainfall resulting in surface water run off leading to overloaded sewers	Southern Water Sewers Surface water flows along Hermitage Road and School Lane Localised ponding occurs in low spots of Higham.	Incidents of flooding within the curtilage of properties and flooding along the carriageway FMfSW 1 in 200 yr (deep)	
C: Istead Rise	Heavy rainfall resulting in flooding from overloaded sewers	Southern Water Sewers Overland surface water flows along Downs Road, Brookes Road, A227, and Bracondale Avenue and Lewis Road	Incidents of flooding caused by overloaded sewers recorded by Southern Water	
D: Hook Green & Meopham Station	Heavy rainfall resulting in run off and overloaded drains and gullies	Surface water flows along Wrotham Road	Records from Kent County Council show flooding of the carriageway caused by surface water.	
E: Meopham	Heavy rainfall resulting in surface water run off, overloaded sewers and gullies	Southern Water Sewers A227 is a known route for surface water run off. Localised ponding on Cricketers Drive, Pitfield Drive, Whitehill Road and Meopham School	There are records of hydraulic overload from sewers and gullies. There are also records of surface water run off affecting highways.	
F: Vigo Village	Heavy rainfall resulting in overloaded gullies and run off. A burst water main has also been described as a source of flooding.	Water main. Gullies and drains A227 is a known route for surface water run off. Localised ponding across Vigo Village along Waterlow Road, Timber Bank and Fern Down.	There are historic records of flooding from various sources.	
Summary of Location-specific Actio	ns			
Area of benefit	Location of action	Action Action owner	Priority	

Instead Rise (B) Hook Green (D),	Wrotham Road	Monitor the performance of the newly installed soakaways.	ксс	Long term
Istead Rise (B),	School Lane	Investigate the method of surface water drainage on this road, i.e. check records to assess where the surface water is draining to.	KCC, SW	Short Term



## Legend

- Combined Sewer
- Surface Water Sewer
- Foul Sewer
- Main River (EA) open channel
- Main River (EA) culverted
- Ordinary Watercourse open channel
- Ordinary Watercourse culverted

## Receptors

- A Lower Highham
- **B** Higham
- C Istead Rise
- Hook Green & Meopham Station
- Meopham
- Vigo Village









Consultant:







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Scale 1:	50,000
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## Thameside Stage 1 SWMP

Watercourses and Drainage Systems DA03



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TYOP	→ Main River (EA) -		
19	Ordinary Watercou		
1	Ordinary Watercou	urse - culverted	
肥	Lower Highham		
AL CONTRACT	<b>B</b> Higham		
100	C Istead Rise		
- To-	Hook Green & Me	opham Station	
- Ale	Meopham		
21	Vigo Village		
e ne	Historic flooding (other RMAs)*		
Sec.	Other/Unknown		
atte	Fluvial	* 10/6	
	Groundwater	* Where an entire road has been highlighted in the historic layer; this does not mean that all the road has	
4	Combined	flooded in the past but rather no specific location was identified in the records	
	Surface Water	received.	
	Sewer		
).	- Tidal		
	-	idents (Thames Water)**	
1	Number of flood oc	curences per postcode area	
la's	4 - 6	** Polygons only represent the postcode area and not the flood	
Park Contraction	7 - 8< Sewer Flooding Inc	extent idents (Southern Water)**	
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