

Pevensey Road

Foul Drainage

	Kdu
Dwelling, guesthouse, office	0.5
Hospital, school, restaurant, hotel	0.7
Toilets / shower open to public	1
Laboratory Buidlings	1.2

Kdu 0.5

Appliance

1 Washbasin, shower	0.6
2 Urinal	0.8
3 Bath, kitchen sink	1.3
4 Dishwasher	0.8
5 Household washing machine	0.8
6 Commercial washing machine	1.5
7 WCs	2.5
8 Floor drains	2

Total Foul Draniage Discharges

Plot 1	1.88	L/s
Plot 2	1.88	L/s
Plot 3	1.88	L/s
	0.00	L/s
	0.00	L/s
Total	5.63	L/s

From Architects proposal drawing:

Unit Plot 1

Appliance	DU	No. props
1 Washbasin, shower	0.6	1
2 Urinal	0.8	1
3 Bath, kitchen sink	1.3	1
4 Dishwasher	0.8	1
5 Household washing machine	0.8	1
6 Commercial washing machine	1.5	1
7 WCs	2.5	1
8 Floor drains	2	1

No. DU Sum DU

4	2.4
	0
2	2.6
1	0.8
1	0.8
	0
3	7.5
	0

Total 14.1

Q 1.877 L/s

Unit Plot 2

Appliance	DU	No. props
1 Washbasin, shower	0.6	1
2 Urinal	0.8	1
3 Bath, kitchen sink	1.3	1
4 Dishwasher	0.8	1
5 Household washing machine	0.8	1
6 Commercial washing machine	1.5	1
7 WCs	2.5	1
8 Floor drains	2	1

No. DU Sum DU

4	2.4
	0
2	2.6
1	0.8
1	0.8
	0
3	7.5
	0

Total 14.1

Q 1.877 L/s

Unit Plot 3

Appliance	DU	No. props
1 Washbasin, shower	0.6	1
2 Urinal	0.8	1
3 Bath, kitchen sink	1.3	1
4 Dishwasher	0.8	1
5 Household washing machine	0.8	1
6 Commercial washing machine	1.5	1
7 WCs	2.5	1
8 Floor drains	2	1

No. DU Sum DU

4	2.4
	0
2	2.6
1	0.8
1	0.8
	0
3	7.5
	0

Total 14.1

Q 1.877 L/s

Unit

Appliance	DU	No. props
1 Washbasin, shower	0.6	1
2 Urinal	0.8	1
3 Bath, kitchen sink	1.3	1
4 Dishwasher	0.8	1
5 Household washing machine	0.8	1
6 Commercial washing machine	1.5	1
7 WCs	2.5	1
8 Floor drains	2	1

No. DU Sum DU

	0
	0
	0
	0
	0
	0
	0
	0

Total 0

Q 0.000 L/s

Check existing and enw drainage pipe flows / sizes

Start	End	Foul (L/s)	Storm (L/s)	Total (L/s)	Size (Dia.)	Fall (from survey)	Ks (Comb)	Peak Flow (Q)
		3.755	0.00	3.75	0.1	80	1.5	3.755
		5.632	0.00	5.63	0.1	80	1.5	5.632
		0.000	0.00	0.00	0.1	80	1.5	0.000
All		5.632	0.00	5.63	0.1	80	1.5	5.632
Storm worst case (plot 2 & 3)		2.664	0.00	2.66	0.1	150	0.6	2.664

Max discharge pipe capacity (Pipes flowing full)					
Max velocity Pipe V (m/s)	Max flow cap. pipe Q (L/s)	Usage in Peak Flow	Approx. Vel Peak Flow (m/s)	Req. V 1/3 Design flow (m/s)	
0.7433	5.838	0.643	0.478	0.75	
0.7433	5.838	0.965	0.717	0.75	
0.7433	5.838	0.000	0.000	0.75	
0.7433	5.838	0.965	0.717	0.75	
0.6240	4.901	0.544	0.339	0.75	