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Job No.	424686	Sheet	1	Date	Apr '26
Job	Sholing FC	By	TB	Checked	DJB

Foul Drainage Calc to BS EN 752 - 4: 1998

Foul Drainage

Proposed Development Treatment Plant sizing Estimation (Peak flow)

				Flow litre per day			
	No	Occupancy	∑ No	Per Head	∑ (l/d)	BOD (g)/day	Amonia (N)
Sports Facilities	1	80	80	180	14400	4800	640
				Total Load(s)	**14400**	**4800**	**640**

Estimation based on British Water Flows and Loads – 4 **(Sizing Criteria, Treatment Capacity for Sewage Treatment Systems)**

Area of drainaeg field test	**TP2**	
TP2	7.36E-05	
Average	**7.36E-05**	m/s

Area drainage field for Treatment Plant		
p	80	No. people British water sizing guide (with 1 factor)
f	1.00E-03	m/s
Vp	**4.53**	Percolation Value s/mm (Vp should be between 12 and 100)
Vp	**12.00**	Rounded up as using STP
Area Req.	**192.00**	m^2 (P x Vp x 0.2 - From Bregs Part E and PPG4 for sewerage treatment plant)
Trench Width	0.90	m
Trench Length	**213.33**	m