

SuDS Phosphate Mitigation																																					
1000-02 - SITE 5																																					
Land Use Calculator - Proposed Development																																					
Catchment	Area	Area as % of total	Phosphate ProRata	Phosphates SuDS Mitigation																																	
	(Ha)		(kg/annum)	Type	Red Eff.	Forward (kg/annum)	Type	Red Eff.	Forward (kg/annum)	Type	Red Eff.	Forward (kg/annum)	Type	Red Eff.	Forward (kg/annum)	Type	Red Eff.	Forward (kg/annum)	Type	Red Eff.	Forward (kg/annum)	Type	Red Eff.	Forward (kg/annum)	Type	Red Eff.	Forward (kg/annum)	Type	Red Eff.	Forward (kg/annum)	Final (kg/annum)						
total	2.342																																				
Area 1	1.665	71.1%	2.71	Swale	28.00%	1.95	Pond	38.00%	1.21	Filter	22.00%	0.94	Filter	22.00%	0.74	Filter	22.00%	0.57	Pond	38.00%	0.36	Rain Garder	44.00%	0.20	Rain Garder	44.00%	0.11	Rain Garder	44.00%	0.06	Rain Garder	44.00%	0.04	0.02			
Area 2	0.167	7.1%	0.27	Filter	22.00%	0.21	Pond	38.00%	0.13	Rain Garder	44.00%	0.07	Rain Garder	44.00%	0.04	Rain Garder	44.00%	0.02	Rain Garder	44.00%	0.01	Rain Garder	44.00%	0.01	select	0.00%	0.01	select	0.00%	0.01	select	0.00%	0.01	0.01			
Area 3	0.51	21.8%	0.83	Porous Pav	38.00%	0.52	Pond	38.00%	0.32	Rain Garder	44.00%	0.18	Rain Garder	44.00%	0.10	Rain Garder	44.00%	0.06	Rain Garder	44.00%	0.03	Rain Garder	44.00%	0.02	select	0.00%	0.02	select	0.00%	0.02	select	0.00%	0.02	0.02			
3.82																																				Total Reduction %Red	0.04 3.77 98.8%

Building Use Calculator - Proposed Development				
Development Area (m2)	Jobs created (1/80m2)	% from outside SAC	New Jobs	Phosphate Impact (kg/annum)*
12000	150	10.00%	15	2.19
0	0	0.00%	0	0

* - based on 0.04225 kg/annum/ person (5.07kg/annum for 120 people, as per Josh's spreadsheet)

Input Data - Existing / Proposed Land Use

Total Phosphates from Land Use - Refer To Josh's Spreadsheet

Description	Existing	Proposed	Existing Land Use Phosphates (kg/annum)	Proposed Land Use Phosphates (kg/annum)	Proposed Land Use Phosphates (+20%)
	(Ha)	(Ha)			
Site Area (red line)	3.01	3.01			
Arable	0	0	0.06	3.18	3.82
Brownfield	0	2.38			
Green Space	3.01	0.63			

kg/annum	
Total Phosphates - Land + Building Use	2.23
Existing Land + Building Use	0.06
Net Increase	2.17