



LIST OF DRAWINGS

Drawing No 1546/D/001



Appendix B Sensitivity and Magnitude Table



**SOUTH WEST BICESTER DEVELOPMENT
SENSITIVITY AND MAGNITUDE TABLES FOR HYDROLOGY & WATER QUALITY**

SPECIFIC ISSUE	CAUSE OF CHANGE IN CONDITION	PATH-WAY	RECEPTOR	PRELIMINARY PREDICTION OF SIGNIFICANCE		
				IMPORTANCE/ SENSITIVITY OF RECEPTOR	MAGNITUDE OF SCALE OF CHANGE	SIGNIFICANCE
Surface water quality at baseline condition	Potential for contamination from existing road gullies in Middleton Stoney Road	Inflow into watercourse	Pingle Brook	Medium	Small	Moderate
	Pollution due to spills from construction activities	Inflow into watercourse	Pingle Brook	Medium	Small	Moderate
Surface water quality as affected by development	Potential for contamination due to increased run-off from development	Inflow into watercourse	Pingle Brook	Medium	Small	Moderate
	Pollution due to spills from construction activities	Inflow into watercourse	Gagle Brook	Medium	None (off site)	None
	Potential for contamination due to increased run-off from development	Inflow into watercourse	Gagle Brook	Medium	Negligible (off site)	None
	Pollution due to spills from construction activities	Inflow into watercourse	Whitelands Farm Brook	Medium	Small	Moderate
	Potential for contamination due to increased run-off from development	Inflow into watercourse	Whitelands Farm Brook	Medium	Small	Moderate
Ground water quality at baseline condition	Potential for contamination from Whitelands Farm complex	Seepage	Local aquifers	High-Medium	Small	Moderate
	Pollution due to spills from construction activities	Seepage	Local aquifers	Medium	Small	Moderate
Ground water quality as affected by development	Potential for contamination due to increased run-off from development	Seepage	Local aquifers	Medium	Small	Moderate
	Change to run-off quantity with associated flood risk due to development	Storm run-off to watercourse	On-site brooks & areas downstream	High	High-Medium	Very Substantial
Hydrology	Incorporation of SUDS in proposed development	Surface run-off to ground water	Local aquifers	High-Medium	Medium	Substantial