

Appendix 3.4 - Estimation of Active Area Percentages for Key Construction Activities
(Annual)

PME	Total works area (m2)	Area in terms of Time of Usage (m2)	Daily and Hourly Maximum Percentage of Usage Area to Works Area	Duration (Month)	Percentage of Yearly Usage
Within Development Area					
Excavation					
Zone 1 Excavation	33,659	2,552	7.6%	8	5.1%
Zone 2 Excavation	56,773	4,749	8.4%	14	9.8%
Zone 3 Excavation	54,855	4,869	8.9%	12	8.9%
Zone 4 Excavation	45,820	2,703	5.9%	8	3.9%
Filling Works					
Zone 1 Filling Works	33,659	1,695	5.0%	11	4.6%
Zone 2 Filling Works	56,773	1,728	3.0%	11	2.8%
Zone 3 Filling Works	54,855	1,695	3.1%	8	2.1%
Zone 4 Filling Works	45,820	1,695	3.7%	14	4.3%
Retaining Structure (including Underpass)					
Zone 1 Retaining Structure	33,659	1,223	3.6%	8	2.4%
Zone 2 Retaining Structure	56,773	1,029	1.8%	10	1.5%
Zone 3 Retaining Structure	54,855	1,048	1.9%	8	1.3%
Zone 4 Retaining Structure	45,820	1,135	2.5%	10	2.1%
Landscaping / Tree Felling					
Zone 1 Landscaping / Tree Felling	33,659	518	1.5%	5	0.6%
Zone 2 Landscaping / Tree Felling	56,773	518	0.9%	5	0.4%
Zone 3 Landscaping / Tree Felling	54,855	518	0.9%	4	0.3%
Zone 4 Landscaping / Tree Felling	45,820	518	1.1%	4	0.4%
Road Works	54,505	815	1.5%	10	1.2%
Utilities / Drainage Works	54,505	1,844	3.4%	12	3.4%
Sewage Works	54,505	2,065	3.8%	12	3.8%
Building Works (by Others)					
Zone 1 Building Works (by Others)	33,659	1,900	5.6%	29	13.6%
Zone 2 Building Works (by Others)	56,773	1,900	3.3%	31	8.6%
Zone 3&4 Building Works (by Others)	100,675	1,861	1.8%	20	3.1%
Along KNP Road					
Excavation					
Zone 1 Excavation	11,623	366	3.2%	5	1.3%
Zone 2 Excavation	13,342	366	2.7%	5	1.1%
Zone 3 Excavation	6,710	366	5.5%	5	2.3%
Zone 4 Excavation	11,154	366	3.3%	5	1.4%
Filling Works					
Zone 1 Filling Works	11,623	214	1.8%	9	1.4%
Zone 2 Filling Works	13,342	214	1.6%	9	1.2%
Zone 3 Filling Works	6,710	214	3.2%	9	2.4%
Zone 4 Filling Works	11,154	214	1.9%	9	1.4%
Retaining Structure					
Zone 1 Retaining Structure	11,623	504	4.3%	8	2.9%
Zone 2 Retaining Structure	13,342	504	3.8%	8	2.5%
Zone 3 Retaining Structure	6,710	504	7.5%	8	5.0%
Zone 4 Retaining Structure	11,154	504	4.5%	8	3.0%
Landscaping / Tree Felling	42,829	408	1.0%	8	0.6%
Road Works	50,108	310	0.6%	9	0.5%
Utilities, Drainage Works / Sewage Works	50,108	524	1.0%	36	3.1%
Bridge	7,209	1,120	15.5%	10	12.9%
Maximum Percentage:					(Annual)
Within Development Area					13.6%
Along KNP Road					13%