THE WAVE, LONDON

EARTHWORKS VOLUMES SUMMARY

TO BE READ IN CONJUNCTION WITH WHE SKETCH - WAVE-WHE-XX-XX-SK-S-0006

Issued 03/02/25

Site Area	Plan area (m2)	Top soil strip volume (m3)	Volume of material to be stabilised (m3)	Cut volume (m3)	Contaminated material rate	Contaminated off site material volume (m3)	Crush material for reuse in piling mats etc (m3)	Fill volume from site won material (m3)	Surplus / Shortfall (m3)	Notes
Camping	n/a	300	0	300	1%	3		0	297	Allowance predominately for arisings - New foundations, new service runs local to camping area
The Park	n/a	1,000	0	500	1%	5		300	195	Generally minor relevelling to create activity area - Some arisings from new foundations / service runs local to Park area
Main car park	5,500	1,375	5,500	500	2%	120		500	-120	
Attenuation Pond A	750	188	0	1,750	2%	35	263	0	1,453	
Screening Bund A	1,500	375	0	0	0%	0		1,900	-1,900	
Screening Bund B	1,500	375	0	0	0%	0		1,900	-1,900	
Main building area	12,000	3,000	0	500	1%	5		12,000	-11,505	minor revelling allowed for before main filling operation
Link Road	2,600	650	2,600	500	2%	62		500	-62	
Service car park	1,200	300	1,200	200	2%	28		200	-28	
Lake Area		4,800	0	20,000	2%	400	3,000	8,000	8,600	
Attenuation Pond B	750	188	0	1,750	2%	35	263	0	1,453	
Screening Bund C	3,000	750	0	0	0%	0		4,500	-4,500	
Screening Bund D	3,900	975	0	0	0%	0		1,000	-1,000	
Sports Park	16,500	4,125	0	1,000	1%	10		1,000	-10	
Arisings - CMC's		0	0	5,157	2%	103		0	5,054	CMC's typically don't produce spoil but note in Hydrock report and C&F that in this instance (following discussion with VM) that they need to. Assume they do as a worst case. Prorata rate Hydrock - 26,000m2 gives 4325m3 of spoil. We have 31,000m2 of ground improvement
Arisings - Service corridor		0	0	1,275	2%	26		0	1,250	From Hydrock C&F analysis
Arisings - SW drainage pipework / MH's		0	0	1,749	2%	35		0	1,714	From Hydrock C&F analysis
Arisings - FW drainage pipework / MH's		0	0	450	2%	9		0	441	From Hydrock C&F analysis
		18,400	9,300	35,631		876	3,525	31,800	-570	

Assumptions

Top soil strip taken as 250mm average (200mm typical and 1m in areas of tree / hedge line). To be stored and redistributed across the site

Contaminated material rate (% of total cut going off site as contaminated) - Shallow cut areas at 1%, deeper cut areas at 2%

All boulders / cobbles from cut material screened, crushed and reused in piling matts etc - Assumed at 15% recovery on deeper excavations

Two car parks and link road assumed to be stabilised - 1m depth of stabilisation

The volumes are based on WHE lake level option 2 (See WHE drawing WAVE-WHE-ZZ-XX-DR-S-0003_P01) and based on a main building level of c. 16.5

Refer to WHE sketch WAVE-WHE-XX-XX-SK-S-0001 for assumptions on build ups / temporary works etc..