



EXISTING SITE TOPSOIL STRIP AREAS 1:2000
15,200m² - Existing Hardstanding
20,600m² - Existing Vegetated areas for Topsoil Strip

PRELIMINARY SCHEME

For comment and review only.
Design is based upon information available at the time.
Design is subject to full review as additional information becomes available.
Design is subject to full review upon receipt of comments from

- Development Control
- LA Planning Authority
- Environment Agency
- LA Highways Department
- Sewerage Undertaker

E3P Site Investigation report is not conclusive to this site area and additional testing should be undertaken. Additional specific GI is recommended to validate existing 'topsoil' and it's potential for as structural fill.

Contamination on the site will require clean cover to soft landscape areas.
It is assumed given the depth of excavation from the bowl, that 'clean cover' is not required below proposed hardstanding and that subsoil from the bowl will be suitable below hardstanding areas.

CUT AND FILL CALCULATIONS

Many factors may effect the end result, calculations are an approximation only and are based upon the following:

- No bulking factor is considered.
- No soil compaction ration is considered.
- No foundation / drainage arisings are accounted for.
- No arisings from attenuation tanks / rainwater harvesting tanks accounted for.
- Requirements for clean capping have not been considered and are to be assessed as part of the detailed earthworks strategy.

- Site strip of 300mm for removal of toptoil / vegetation.
- Existing hardstanding areas have been included within the 300mm toptoil strip quantity.
- Formation depth of 600mm from Final Surface.

The accuracy of the calculation is subject to the combination of multiple 3D surveys. Existing site features may not accurately be represented.

Calculation results are:
(Proposed model compared to survey model)

	Cut	Fill
Total Gross		
Basin:	7,500m ³	1,700m ³
Development Site:	20,500m ³	30,800m ³
Nett:		4,500m ³ Fill

Total site Fill is thus calculated at 4,500 m³

Cut and Fill Table			
Band	Depth From	Depth To	Colour
1	-4.20	-2.50	
2	-2.50	-1.50	
3	-1.50	-0.50	
4	-0.50	-0.10	
5	0.10	0.50	
6	0.50	1.50	
7	1.50	2.50	
8	2.50	4.00	