



EARTHWORKS CONSTRUCTION NOTES:

- A BULKING FACTOR OF 50% HAS BEEN APPLIED SUBJECT TO GEOSCIENTIST ADVISE OWING TO THE INCONSISTENT MADE GROUND AND EXISTING BUILD-UP MATERIALS.
- THE EARTHWORKS GROUNDWORKS MODEL IS BASED ON STATIC COMPUTER ANALYSIS. IT DOES NOT AND CANNOT ACCOUNT FOR OVER-DIGGING, VARIABLE GROUND CONDITIONS, SOFT SPOTS, GROUND FAILURE OWING TO ADVERSE WEATHER OR OVER COMPACTION. ALL THESE FACTORS WILL AND CAN INFLUENCE THE VOLUME OF CUT AND FILL MATERIALS.
- EARTHWORKS VOLUMES WILL NEED TO TRACKED AND MONITORED ON A DAILY BASIS TO ESTABLISH VOLUMES AND TO MEET THE REQUIREMENTS OF THE MATERIALS MANAGEMENT PLAN TO BE PRODUCED BY OTHERS.
- EARTHWORKS MATERIALS CAN SHRINK AND EXPAND OWING TO THEIR WATER CONTENT OR EXPOSURE TO WET CONDITIONS PARTICULARLY IN THE PRESENCE OF LARGE QUANTITIES.

TABLE 1 - ASSUMPTIONS & BUILD-UPS / DEPTHS OF EXCAVATIONS

	MATERIAL	AREA (m ²)	ASSUMED DEPTH OF BUILD-UP / EXCAVATIONS (m)
1.	WETPOUR RUBBER PLAY SURFACE	1,783	0.750*
2.	RESIN BOUND GRAVEL SURFACE	512	0.600*
3.	TARMAC FOOTPATH CONSTRUCTION	236	0.250*
4.	BUILDING FOUNDATION	348	0.450*
5.	LANDSCAPING	8,102	0.200*

TABLE 2 - SUMMARY OF CUT & FILL ANALYSIS

CUT	2,167.3 m ³
FILL	2,345.9 m ³
NETT CUT	158.5 m³
NETT CUT + 50% BULK	237.8 m³

- NOTES**
- ALL DIMENSIONS ARE IN METRES UNLESS STATED OTHERWISE.
 - THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE FOLLOWING DOCUMENTATION:
 - THE EARTHWORKS LEVELS DRAWINGS AND MATERIALS MANAGEMENT PLAN BY OTHERS.
 - THE GEOTECHNICAL INVESTIGATION REPORTS.
 - FOR FINISHED CONTOUR LEVELS REFER TO DRG NO. 171116-CON-X-00-DR-C-7000
 - FOR EARTHWORKS DRAWINGS REFER TO DRG NO. 171116-CON-X-00-DR-C-7000 TO 7003.
 - ALL FOOTWAYS AND ROAD AREAS WHERE BITUMINOUS / CONCRETE SURFACING IS TO BE BROKEN OUT AND EXCAVATED TO FULL DEPTH AND TAKEN OFF-SITE TO AN APPROPRIATE LICENSED WASTE HANDLING FACILITY.
 - IF 'SOFT' MADE GROUND SUBSOIL IS ENCOUNTERED AT FORMATION LEVEL EXCAVATION IS TO CONTINUE UNTIL HARD FORMATION GROUND HAS BEEN TO A MAXIMUM DEPTH OF 300mm. ANY 'SOFT' SPOTS ARE TO BE BACKFILLED WITH GENERAL EXCAVATED FILL MATERIAL. THE MADE GROUND SUBSOIL IS THEN TO BE PROOF ROLLED PRIOR TO PLACING OF PROPOSED CONSTRUCTION BUILD-UPS.
 - IT IS ASSUMED THAT NO PILING IS REQUIRED FOR FOUNDATIONS ON THIS SCHEME.
 - REFER TO DRAWING 171116-CON-X-00-DR-C-7001 FOR EXISTING TOP SOIL STRIP OFF ACROSS SITE

- LEGEND**
- SITE BOUNDARY
 - TP TRIAL PIT
 - HP3 HAND PIT
 - BH1 BORE HOLE



NOT FOR CONSTRUCTION

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