



EXISTING SITE TOPSOIL STRIP AREAS 1:2000

15,200m<sup>2</sup> - Existing Hardstanding

18,550m<sup>2</sup> - 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 topsoil 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 <sup>3</sup>	1,700m <sup>3</sup>
Development Site:	20,000m <sup>3</sup>	31,500m <sup>3</sup>
Nett:		5,700m <sup>3</sup> Fill

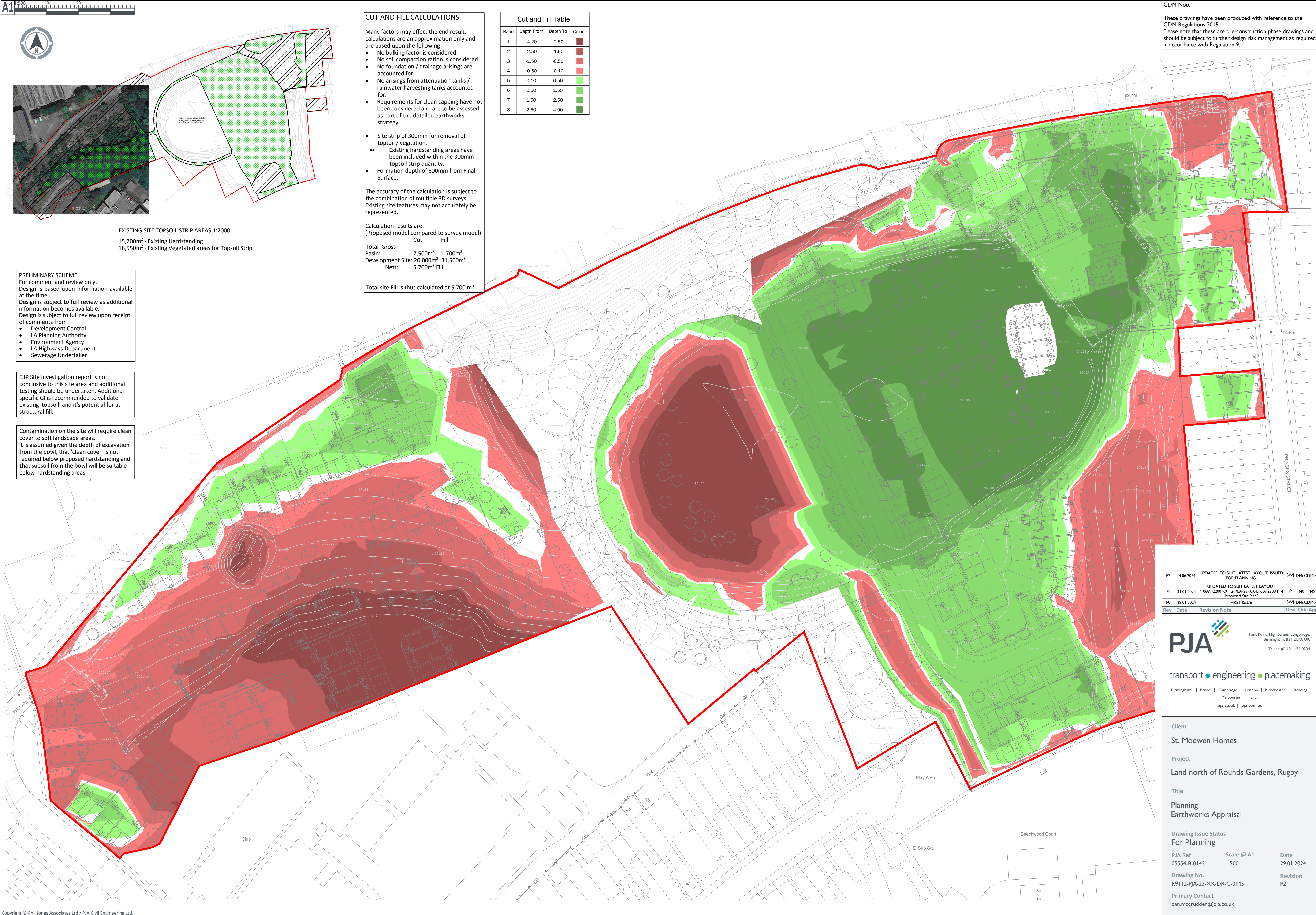
Total site Fill is thus calculated at 5,700 m<sup>3</sup>

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	

CDM Note

These drawings have been produced with reference to the CDM Regulations 2015.  
Please note that these are pre-construction phase drawings and should be subject to further design risk management as required in accordance with Regulation 9.



P2	14.06.2024	UPDATED TO SUIT LATEST LAYOUT. ISSUED FOR PLANNING.	SWJ	DM:CDM:CC	
P1	31.01.2024	UPDATED TO SUIT LATEST LAYOUT "10689-2200 R9112-RLA-23-XX-DR-A-2200 P14 Proposed Site Plan"	JP	MS	MS
P0	28.01.2024	FIRST ISSUE	SWJ	DM:CDM:CC	
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Park Point, High Street, Longbridge,  
Birmingham, B31 2UQ, UK  
T: +44 (0) 121 475 0234

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Client

St. Modwen Homes

Project

Land north of Rounds Gardens, Rugby

Title

Planning  
Earthworks Appraisal

Drawing Issue Status

For Planning

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05554-B-0145

Drawing No.

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Primary Contact

dan.mccradden@pja.co.uk

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1:500

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29.01.2024

Revision

P2