

**KTF Cut and Fill Volume Result**

Volumes Required to Achieve the Reduced Plateau Level from the Existing ground (300mm Site Strip)

Volume A: (volume generated by 300mm site strip of entire site);  
300mm Site Strip: 38894m<sup>3</sup> (Cut) (Existing Topo minus 300mm site strip)

Volume B: (volume required to achieve Design Base levels from 300mm site strip);  
Cut volume: 2274m<sup>3</sup>  
Fill volume: 6076m<sup>3</sup>  
Balance: 6339m<sup>3</sup> (Fill) (300mm Site Strip minus Design Base)

The above volume excludes:

- Arisings from foundation excavations.
- Arisings from drainage excavations.
- Additional excavation should CBR% require a capping layer under carriageway.
- No bulking factor has been allowed.

**Assumptions**

Design Base Represents:

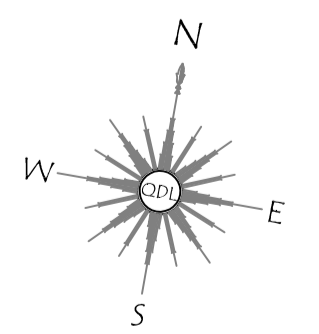
- Building Strips are 300mm below FFL.
- Highway Strips are 500mm below Finished Surface.
- Pond Strips are 300mm below design level.

Key to Colour Bands:

Colour Band	Area	Volume	Percentage
Yellow	-1.00 to 0.50	0.0%	0.0%
Green	0.50 to 1.00	41.1%	14.3%
Cyan	1.00 to 1.50	22.2%	8.0%
Blue	1.50 to 2.00	18.9%	6.8%
Purple	2.00 to 2.50	0.0%	0.0%

**General Notes**

- Models have been produced using information available at the time.
- Post demolition / site strip survey (when available) can be used to re-calculate cut / fill volume.
- Cut and fill volumes advised are for guidance purposes only. The groundworks contractor is expected to undertake his own comparison of material volume from the information provided. Any significant deviation between the quantity of material recommended and that calculated by the contractor, it to be quantified in his tender quotation.



Drawing Status: **PRELIMINARY**

Title: **Barratt Homes & Taylor Wimpey Luke's Lane, Monkton Phase 2 Cut & Fill**

Scale: 1:500@A0 Date: May 2015

Drawn by: MDA Checked by: [Signature]

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**QUEENSBERRY DESIGN**  
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