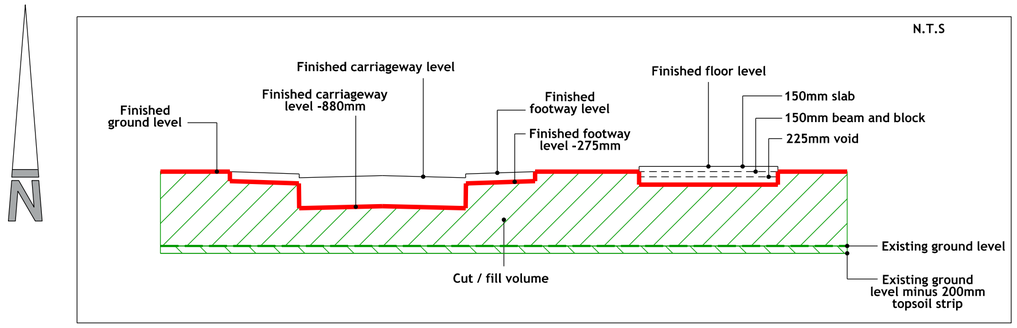


NOTES

1. Contractors must check all dimensions on site. Only figured dimensions are to be worked from. Discrepancies must be reported to the Architect or Engineer before proceeding. © This drawing is copyright.

2. Until technical approval has been obtained from the relevant authorities, all drawings are issued as preliminary and not for construction. Should the Contractor commence site work prior to approval being given it is entirely at his own risk.

CALCULATIONS

The indicative isopachyte contours are based on the comparison between the existing topographical survey following a 200mm topsoil strip and formation model as described below.

These calculations are for guidance only.

The formation model assumes:

- Road box depth based upon CBR value under 1.5% and Lincolnshire County Council carriageway construction chart 1.
- Proposed finished carriageway level -880mm
- Proposed finished footway level -275mm
- Proposed finished floor levels -525mm

Allowances:

- Plot arisings - 40m³ per plot

Cut / Fill:
Bulk earthworks modelling results

Volume of Cut	Volume of Fill
5346.6	3159.2

Total: 2187.4

Plot arisings - 1360m³

Estimated surplus material = 3547.4m³

Topsoil analysis

Total area of development parcel = 20719.3m³

An average 200mm topsoil thickness (refer to Ground Investigation report Section 4.2.1), based on area of within the blue boundary), therefore topsoil strip volume = 4143.8m³

Volume of topsoil to be reused in landscaped areas / gardens, based on 225mm thickness across 75% of total site area (15539m²) = 3496.3m³

Approximate topsoil surplus = 647.5m³

Public open space area within yellow boundary = 7645.6m²

An additional topsoil placement of 85mm (total depth 310mm) over the POS area would balance the topsoil.

CUT Depth Bands			FILL Depth Bands		
Band 1	-0.00 -	-0.10	Band 1	0.00 -	0.10
Band 2	-0.10 -	-0.20	Band 2	0.10 -	0.20
Band 3	-0.20 -	-0.30	Band 3	0.20 -	0.30
Band 4	-0.30 -	-0.40	Band 4	0.30 -	0.40
Band 5	-0.40 -	-0.50	Band 5	0.40 -	0.50
Band 6	-0.50 -	-1.00	Band 6	0.50 -	1.00
Band 7	-1.00 -	-2.00	Band 7	1.00 -	2.00
Band 8	-2.00 -	-5.00	Band 8	2.00 -	5.00
Band 9	-5.00 -	-10.00	Band 9	5.00 -	10.00
Band 10	-10.00 -		Band 10	10.00 -	

REV	DESCRIPTION	DRN	CHD	DATE
A	VOLUMES UPDATED TO SUIT REVISED PITCH LEVELS	GLG	JGF	22.05.19

☑ PRELIMINARY ☐ INFORMATION ☐ TENDER
☐ CONSTRUCTION ☐ AS BUILT

SCALE	1:500 @ A2	DATE	MARCH 2019
DRAWN	GLG	CHK	JGF
DRAWING NO.	18277-5-500	REV	A
TITLE	WYGATE POS, PHASE 7 SPALDING		
DETAILS	ISOPACHYTE CONTOURS & CUT / FILL VOLUMES		

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PLEASE CONSIDER THE ENVIRONMENT BEFORE PRINTING THIS DRAWING