



NOTES:

## TOPSOIL

**TOPSOIL**  
Average topsoil depth taken from Window Samples = 0.3m

Topsoil to be stripped from site for screening =  $96,754\text{m}^2 \times 0.3\text{m} = 29,026\text{m}^3$

Topsoil to be re-used at 0.3m depth on gardens / landscaped areas =  $51,924\text{m}^2 \times 0.3\text{m} = 15,577\text{m}^3$

Topsoil to be spread over hatched open space area at a depth of 0.3m =  $29,120\text{m}^2 \times 0.3\text{m} = 8,736\text{m}^3$

## FORMATION MODEL

**FORMATION MODEL**  
The site survey model has been lowered by 300mm to account for the average topsoil strip for the entire site. The proposed formation model has been created using the following construction depths below designed levels :-

## CUT / FILL EXERCISE

Gross volume:	Cut	Fill
	14,372m <sup>3</sup>	24,916m <sup>3</sup>
10% Bulk	15,809m <sup>3</sup>	
Nett volume:	-9,107m <sup>3</sup> (required)	

## ESTIMATED ARISINGs

**ESTIMATED ARISINGS**  
 Trad. foundation arisings (50m<sup>2</sup> p/plot) = 214 x 50m<sup>2</sup> + 10% = 11,770m<sup>2</sup>  
 Apartment trad. foundation arisings (50m<sup>2</sup> p/footprint) = 4 x 50m<sup>2</sup> + 10% = 220m<sup>2</sup>  
 Main drainage arisings + 10% = 5,062m<sup>2</sup> approx  
 Masonry retaining wall arisings + 10% = 650m<sup>2</sup> (estimated)  
 Service trench arisings + 10% = 1,155m<sup>2</sup>  
 Total arisings = 18,857m<sup>2</sup>

**TOTAL = 9,750m³ (SURPLUS)**

ALL SURPLUS SUBSOIL TO BE EVENLY SPREAD ACROSS THE NORTHERN AREAS MARKED FOR LEVEL RAISING AT A DEPTH OF 0.35m. THESE AREAS ARE TO BE FINISHED OFF WITH 0.3m OF SURPLUS TOPSOIL. TO BE READ IN CONJUNCTION WITH DRAWING MI127-EN-130.

KEY:

### CUT Depth Bands

CO<sub>2</sub> Depth Bands

Band 1	-0.00 - -0.50
Band 2	-0.50 - -1.00
Band 3	-1.00 - -1.50
Band 4	-1.50 - -2.00
Band 5	-2.00 - -2.50
Band 6	-2.50 - -3.00

### FILL Depth Bands

Band 1	0.00 - 0.50
Band 2	0.50 - 1.00
Band 3	1.00 - 1.50
Band 4	1.50 - 2.00

Revision.			
A	Updated to latest site layout	09.04.19	NE
B	Updated to include building factor and service trench and retaining wall arisings	21.11.19	NE
C	Drawing updated to show contours to Northern 'regrade' areas.	26.05.21	MK
D	Contours to Northern regrade areas revised slightly to allow the positioning of play equipment	22.06.21	MK

## Proposed Development at Bunny Lane Keyworth

**Misc Engineering**  
**Cut & Fill Sheet 2**

DATE:   
 SCALE: 22.11.18   
 1:500 @ A0

DRAWN: N  
CHECKED:

**BLOOR HOMES®**

Drawing No. MI127-EN-132D