



NOTES:

TOPSOIL
Average topsoil depth taken from Window Samples = 0.3m
Topsoil to be stripped from site for screening = 96,754m² x 0.3m = 29,026m³
Topsoil to be re-used at 0.3m depth on gardens / landscaped areas = 51,924m² x 0.3m = 15,577m³
Topsoil to be spread over hatched open space area at a depth of 0.3m = 29,120m² x 0.3m = 8,736m³
Surplus topsoil post development = 4,713m³

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 :-

Plot floor slabs - 450mm
detached garage slabs - 300mm
drives/gardens/POS - 300mm
roads - 750mm (est. cbr 3%)
footways - 250mm

CUT / FILL EXERCISE

Gross volume:	Cut	Fill
10% Bulk	14,372m³	15,809m³
Nett volume:	-9,107m³ (required)	

ESTIMATED ARISING
Trad. foundation arising (50m³ p/plot) = 214 x 50m³ + 10% = 11,770m³
Apartment trad. foundation arising (50m³ p/floorprint) = 4 x 50m³ + 10% = 220m³
Main drainage arising + 10% = 5,062m³ approx
Masonry retaining wall arising + 10% = 650m³ (estimated)
Service trench arising + 10% = 1,155m³
Total arising = 18,857m³

TOTAL = 9,750m³ (SURPLUS)

ALL SURPLUS SUBSOIL TO BE SPREAD OVER HATCHED AREAS IN ADJOINING FIELDS WITHIN BLOOR'S OWNERSHIP AT A DEPTH OF 0.35M. SURPLUS TOPSOIL TO BE SPREAD OVER THE TOP AT A DEPTH OF 0.3M. SEE DRAWING M1127-EN-132

KEY:

CUT 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

SURPLUS MATERIAL AT A DEPTH OF 0.35M. SURPLUS TOPSOIL TO BE SPREAD OVER THE TOP AT A DEPTH OF 0.3M

Revision			
A	Updated to suit latest layout	09.04.19	NE
B	Updated to include building factor and service trench and retaining wall arising	21.11.19	NE

Proposed Development at
Bunny Lane
Keyworth

Misc Engineering
Cut & Fill Sheet 1
DATE: 09.04.19
SCALE: 1:500 @ A0
DRAWN: NE
CHECKED:

BLOOR HOMES

Drawing No. M1127-EN-130B