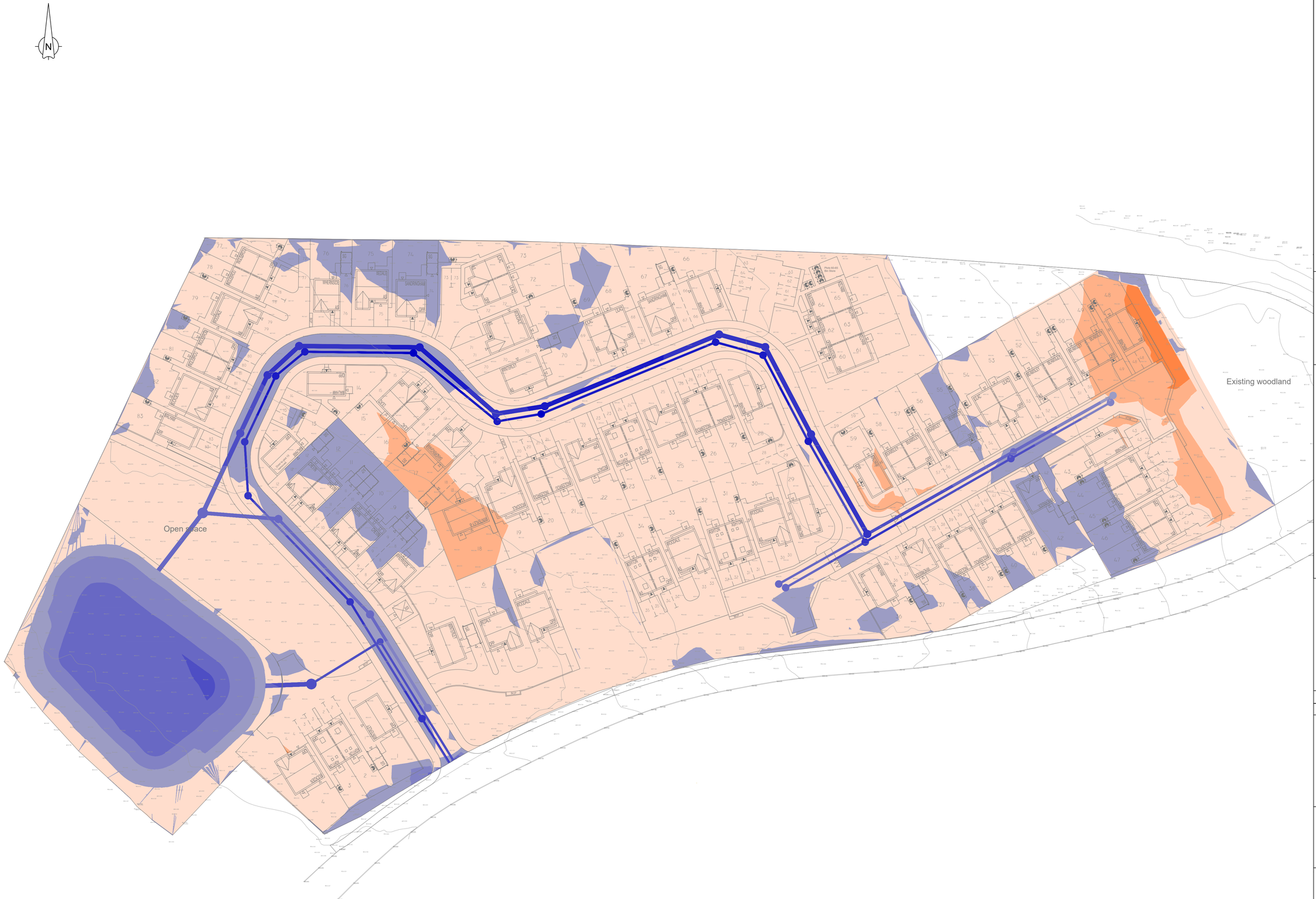


CUT AND FILL ANALYSIS

BASED ON ORIGINAL TOPOGRAPHIC SURVEY -0.300m
VS FORMATION LEVELS

FINISHED LEVELS DROPPED AS PER BELOW:
PLOTS - 450mm
ROADS - 610mm (BASED ON MINIMUM CBR OF 2%)
SHARED SURFACE - 485mm (BASED ON MINIMUM CBR OF 2%)
FOOTPATH - 230mm
DRIVES - 385mm (BASED ON CBR OF 5%)
GARDENS - 300mm

OVERALL CUT AND FILL EQUATES TO:
7134.68m³ CUT
9813.66m³ FILL

APPROXIMATE ARISING'S FROM PLOT FOUNDATIONS
(BASED ON 40m³ PER PLOT):
3200m³ CUT

APPROXIMATE ARISING'S FROM PLOT DRAINAGE
(BASED ON 6m³ PER PLOT):
480m³ CUT

APPROXIMATE ARISINGS FROM SERVICES CONNECTIONS
(BASED ON 4m³ PER PLOT):
320m³ CUT

TOTAL CUT REQUIRED 1321.02m³

APPROXIMATE TOPSOIL STRIP (300mm)
9927.6m³

APPROXIMATE TOPSOIL TO BE RE-USED ON SITE
5959.2m³

TOTAL TOPSOIL CUT 3968.4m³

NOTE: GEOTECHNICAL ENGINEER TO CONFIRM SUITABILITY OF TOPSOIL FOR RE-USE IN GARDENS AND PUBLIC OPEN SPACE AND CONFIRM REQUIRED DEPTH OF TOPSOIL SCRAPE.

HEIGHT BANDS	CUT VOLUME	FILL VOLUME
FILL 2.7m - 3.6m	--	--
FILL 1.8m - 2.7m	--	25.42m³
FILL 0.9m - 1.8m	--	531.66m³
FILL 0m - 0.9m	--	9256.58m³
CUT 0m - 0.9m	3234.02m³	--
CUT 0.9m - 1.8m	2028.57m³	--
CUT 1.8m - 2.7m	1158.22m³	--
CUT 2.7m - 3.6m	389.17m³	--
CUT 3.6m - 4.5m	258.10m³	--
CUT 4.5m - 5.4m	65.04m³	--
CUT 5.4m - 6.3m	1.56m³	--

TOTAL CUT: 7134.68m³
TOTAL FILL: 9813.66m³

NOTES:

EARTHWORKS VOLUMES PRESENTED ON THIS DRAWING HAVE BEEN PREPARED TO ASSIST THE DEVELOPER IN DETERMINING A MATERIALS MANAGEMENT PLAN AND COST ESTIMATES.
IT IS ASSUMED THAT ALL EXCAVATED MATERIAL IS SUITABLE FOR USE AS FILL.
VOLUMES QUOTED ARE BASED ON THE STATED METHODOLOGY AND ASSUMPTIONS.
THE CONTRACTOR QUOTING FOR OR UNDERTAKING EARTHWORKS OPERATIONS SATISFY THEMSELVES TO THE VOLUMES OF MATERIAL TO BE EXCAVATED AND PLACED AS FILL AS WELL AS NETT VOLUME OF MATERIAL TO BE IMPORTED TO SITE OR EXPORTED FROM SITE.

VOLUMES OF CUT AND FILL ARE BASED ON STATED ASSUMPTIONS. ACTUAL VOLUMES GENERATED MAY VARY DUE TO SITE CONDITIONS INCLUDING FACTORS SUCH AS:
- VARIATIONS IN TOPSOIL DEPTHS
- VARIATIONS IN CBR VALUE AT ROAD FORMATION LEVEL
- ADDITIONAL EXCAVATIONS FOR REMOVAL OF SOFT SPOTS
- INSTABILITY IN EXCAVATIONS RESULTING IN EXTRA MATERIAL BEING GENERATED
- LEVEL OF COMPACTION ACHIEVED ON PLACED FILL
- INACCURACIES IN ESTIMATED VOLUMES OF MATERIAL ARRISING FROM FOUNDATION, DRAINAGE AND SERVICES EXCAVATIONS.

Issue	Date	Description	By	Chkd	Appd
P1	24.11.23	Preliminary Issue	GW	PB	PB

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Client
CAMSTEAD HOMES

Job Title
HOYLAND
BARNSLEY

Drawing Title
BULK EARTHWORKS

Scale at A1
1:500

Drawing Status
PRELIMINARY

Job No	Drawing No	Issue
23085	21	P1

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Do not scale