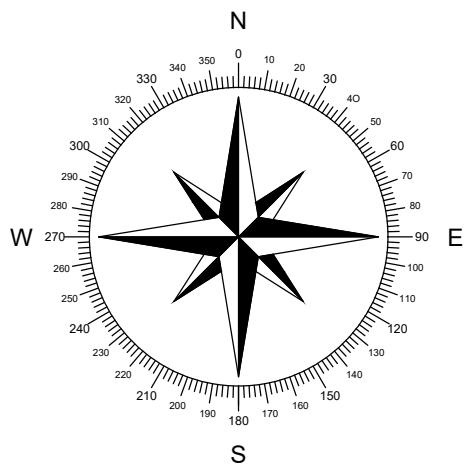


SURFACE LEVEL DATA					
NUMBER	MINIMUM LEVEL	MAXIMUM LEVEL	COLOUR	AREA	VOLUME
1	-5.929	-3.500	█	490.874m2	292.552m³
2	-3.500	-2.000	█	3244.049m2	2494.699m³
3	-2.000	-1.000	█	4372.267m2	5798.994m³
4	-1.000	0.000	█	8362.014m2	11890.373m³
5	0.000	1.000	█	10520.583m2	15433.419m³
6	1.000	2.000	█	7522.042m2	6059.837m³
7	2.000	3.500	█	2664.050m2	1257.781m³
8	3.500	6.819	█	39.922m2	27.501m³



NOTES:

THIS DRAWING IS NOT FOR CONSTRUCTION AND THE INFORMATION PROVIDED IS FOR FEASIBILITY PURPOSES.

- 750mm CONSTRUCTION BUILD UP IS ASSUMED FOR HIGHWAYS.
- 750mm CONSTRUCTION BUILD UP IS ASSUMED FOR FOOTWAYS.
- 450mm CONSTRUCTION BUILD UP IS ASSUMED FOR PRIVATE ROADS, DRIVEWAYS AND SHARED PARKING AREAS.
- 1000mm FOUNDATION DEPTH FROM FFL IS ASSUMED FOR FOUNDATIONS.
- EXISTING GROUND LEVEL IS TAKEN FROM THE TOPOGRAPHIC SURVEY.
- EXISTING GROUND LEVEL HAS BEEN REDUCED BY 300mm TO TAKE INTO ACCOUNT TOPSOIL STRIP

CUT AND FILL REPORT

GENERAL		REVISION NUMBER	0
		NUMBER OF POINTS	174829
		MINIMUM X COORDINATE	368772.094M
		MINIMUM Y COORDINATE	431662.410M
		MAXIMUM X COORDINATE	368975.149M
		MAXIMUM Y COORDINATE	432018.837M
		MINIMUM ELEVATION	-5.929M
		MAXIMUM ELEVATION	6.638M
		MEAN ELEVATION	0.652M
TIN		NUMBER OF TRIANGLES	347044
		MAXIMUM TRIANGLE AREA	31.105Q.M
		MINIMUM TRIANGLE AREA	0.005Q.M
		MINIMUM TRIANGLE LENGTH	0.000M
		MAXIMUM TRIANGLE LENGTH	13.087M
VOLUME		BASE SURFACE	STRIPPED TOPO
		COMPARISON SURFACE	FORMATION LEVELS
		CUT FACTOR	1.000
		FILL FACTOR	1.000
		CUT VOLUME (ADJUSTED)	20476.62 CU. M.
		FILL VOLUME (ADJUSTED)	22778.54 CU. M.
		NET VOLUME (ADJUSTED)	2301.92 CU. M.=FILL>
		CUT VOLUME (UNADJUSTED)	20476.62 CU. M.
		FILL VOLUME (UNADJUSTED)	22778.54 CU. M.
		NET VOLUME (UNADJUSTED)	2301.92 CU. M.=FILL>

ADDITIONAL VOLUME TO BE CONSIDERED WITHIN THE CUT AND FILL EXERCISE:

DRAINAGE ARISING'S
A 400MM ADDITIONAL VOLUME OF CUT HAS BEEN ASSUMED FOR EMBEDMENT AND SURROUND OF ALL MANHOLES.
A 400MM ADDITIONAL VOLUME OF CUT HAS BEEN ASSUMED FOR EMBEDMENT AND SURROUND OF ALL SEWER PIPES.
It has been assumed that pipe trenches above the 400mm mentioned above will be backfilled using as dug material. Therefore the volume of cut for pipes including bed and surround has been calculated as follows:

Pipe size	Total Length	Volume
150mmØ	451.684m	136.634m³
225mmØ	91.866m	35.885m³
300mmØ	399.104m	195.561m³
375mmØ	81.859m	49.167m³
450mmØ	12.495m	9.020m³
		626.267m³
Manhole size	Total Depth	Volume
1200Ø	12.607m	32.272m³
1350Ø	69.140m	211.741m³
1500Ø	9.541m	34.444m³
1800Ø	3.532m	17.095m³
2100Ø	3.316m	20.728m³
		316.279m³

PLOT DRAINAGE ARISING'S
A 5m³ PER PLOT ADDITIONAL VOLUME OF CUT HAS BEEN ASSUMED FOR EMBEDMENT AND SURROUND OF ALL SEWERS AND CHAMBERS.

	Volume
80 Plots	400.00m³

SUM OF CUT AND FILL:

CUT AND FILL MODEL	=	2301.920m³ FILL
PLUS		
DRAINAGE ARISING'S	=	1142.544m³ CUT
TOTAL	=	1159.373m³ FILL

EDGE

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PO5 10.09.25 Updated to new site layout

M.A. R.A.

PO4 26.08.25 Updated to new site layout

M.A. R.A.

PO3 24.08.22 Tree exclusion zones updated

R.A. R.A.

PO2 24.08.22 Tree exclusion zones added

R.A. R.A.

PO1 20.12.21 PRELIMINARY - Issued for information

J.C. R.A.

Rev

Date

Description

By

CHK

Project Name

SALESBURY VIEW
WILPSHIRE

Client

PERSIMMON HOMES

Designed

Drawn

Checked

Scale @ A1

R.A.

J.C.

R.A.

1:500

Drawing Title

SCHEMATIC CUT AND FILL
ANALYSIS

Project No.

210687

Drawing No.

210687-EDGE-XX-XX-DR-C-1097

Revision

P05

PRELIMINARY

NOT FOR CONSTRUCTION

FILENAME

PL0T DATE

0 mm

10

20

30

40

50