

BLACKTHORNE COTTAGE, CHAWRIDGE LANE, WINKFIELD

PLOT 1 VOLUME

Main Bulk of House

40.3m x 11.3m	=	455.38 m ³
41.6m x 1.4m	=	58.24 m ³
<u>21.2m x 2.6m</u>	=	27.56 m ³
2		
28.4m x 1.4m	=	39.76 m ³
<u>15.1m x 2.8m</u>	=	21.14 m ³
2		
15.1m x 6.5m	=	98.15 m ³

To be removed – Under front door = 2.3m x (2.1+0.7) = 6.44 m³

TOTAL = 693.79 m³

Dormers

<u>4.3m x 2.3m</u>	=	4.95 m ³
2		
<u>3.7m x 1.9m</u>	=	3.51 m ³
2		
TOTAL	=	<u>8.46 m³</u>

Garage

29.9m x 6.3m	=	188.37 m ³
TOTAL	=	<u>188.37 m³</u>

Chimney

0.78m x 0.78m x 2.0m	=	1.22 m ³
1.30m x 0.30m x 4.9m	=	6.50 m ³
TOTAL	=	<u>7.77 m³</u>

TOTAL = 898.39 m³

Existing Volumes

Blackthorne Cottage	=	464 m ³
Storage	=	382 m ³

Total Volume Allowed = Cottage + 50% of Storage + 40%
= 464 = (382 / 2) + 262 = 917 m³

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PLOT 2 VOLUME

Main Bulk of House

$$\begin{aligned} 39.9\text{m} \times 9.1\text{m} &= 363.09 \text{ m}^3 \\ 10.3\text{m} \times 0.95\text{m} &= 9.78 \text{ m}^3 \\ \frac{2.3\text{m} \times 1.95\text{m}}{2} &= 2.24 \text{ m}^3 \end{aligned}$$

$$\text{TOTAL} = \underline{375.11 \text{ m}^3}$$

Dormers

$$\begin{aligned} \frac{4.4\text{m} \times 2.5\text{m}}{2} &= 5.50 \text{ m}^3 \\ \frac{4.4\text{m} \times 2.5\text{m}}{2} &= 5.50 \text{ m}^3 \\ \frac{4.4\text{m} \times 2.5\text{m}}{2} &= 5.50 \text{ m}^3 \end{aligned}$$

$$\text{TOTAL} = \underline{16.50 \text{ m}^3}$$

Chimney

$$\begin{aligned} 0.78\text{m} \times 0.78\text{m} \times 2.0\text{m} &= 1.22 \text{ m}^3 \\ 1.30\text{m} \times 0.30\text{m} \times 4.9\text{m} &= 6.50 \text{ m}^3 \end{aligned}$$

$$\text{TOTAL} = \underline{7.77 \text{ m}^3}$$

$$\underline{\text{TOTAL}} = \underline{399.38 \text{ m}^3}$$

Existing Volumes

$$\begin{aligned} \text{Blackthorne Annex} &= 103 \text{ m}^3 \\ \text{Storage} &= 382 \text{ m}^3 \end{aligned}$$

$$\begin{aligned} \text{Total Volume Allowed} &= \text{Annex} + 50\% \text{ of Storage} + 40\% \\ &= 103 + (382 / 2) + 117.6 = 411.6 \text{ m}^3 \end{aligned}$$