



CONSULTING CIVIL & STRUCTURAL ENGINEERS

DESIGN INFORMATION SHEET

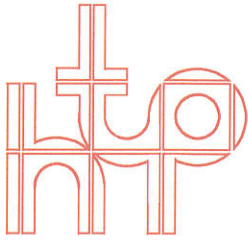
Project:

BLUMMERDEN NORTH LODGE

Project
No.

24141

General Description	EXTENSION + ALTERATION WORKS
Client	MR G. LEVI
Architect	HUB ARCHITECTS
Quantity Surveyor	BLB
Services Consultant	
Checking Authority	
Relevant Building Regulations	'A'
Fire resistance Requirements	1/2 HOUR
General Loading Conditions (Superimposed)	DOMESTIC
Wind Loading Conditions	
Special Conditions	
Relevant Design Codes	
Type of Superstructure	
Material Stresses	
Sub-soil Conditions + Report by	
Type of Foundations	
Computer Programs	



**CONSULTING CIVIL &
STRUCTURAL ENGINEERS**

The Barn, Keens Lodge, Worth Lane, Little Horsted, East Sussex, TN22 5TT
Tel: (01825) 750440

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Date.

12/24

Made by.

SA

Page
No.

05

SOIL DRAINAGE.

4 bedroom bungalow $\Rightarrow$ 6 persons.

VBE KINGSPAN "BIOAIR 2 IPS"
SEWAGE TREATMENT PLANT
OR EQUIVALENT WITH
PUMPED OUTLET.

Outlet to discharge into drainage field.

From porosity testing, average $V_p = 10.9$

Min area of drainage field
 $= 10.9 \times 6 \times 0.2$
 $= 13.1 \text{ m}^2$

If trenches 600mm wide, min length
of pipes = $13.1 / 0.6$
 $= 22 \text{ m.}$

PROVIDE MIN 22m of 110 ϕ uPVC
SLOTTED PIPE IN 600mm
WIDE TRENCH
DRAINAGE FIELD TO BE MIN.
15m FROM ANY BUILDING
PIPE TO BE MIN. 500mm DEPTH
LAID ON 300mm OF 20mm
STONE.
COVER PIPE WITH 50mm STONE
AND THEN GEOTEXTILE MEMBRANE.
PIPE LAID IN LOOP AT MAX
1:200 GRADIENT.
MAINTAIN 2m OF SOIL BETWEEN
TRENCHES.