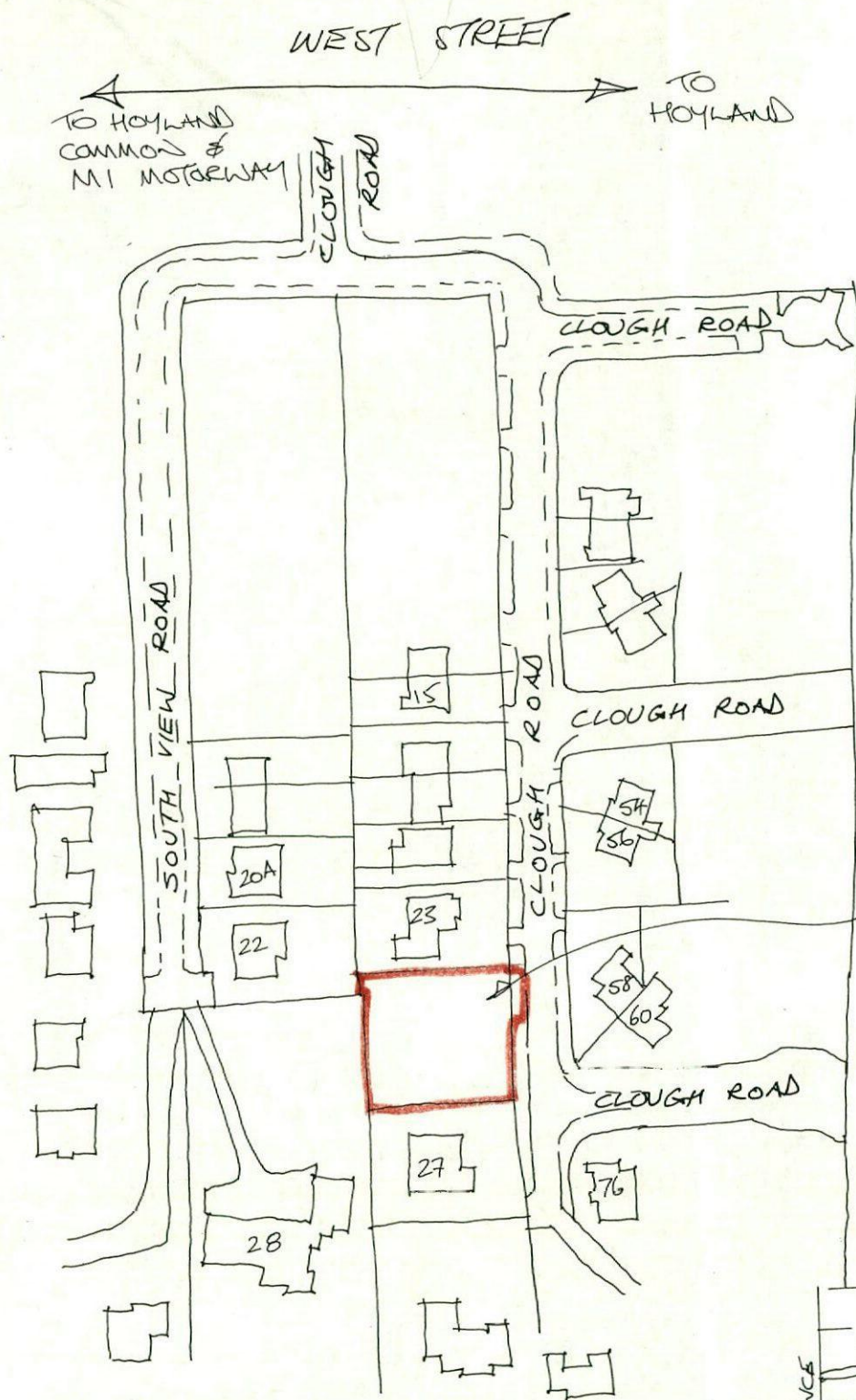
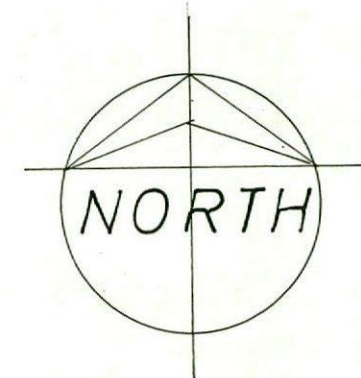
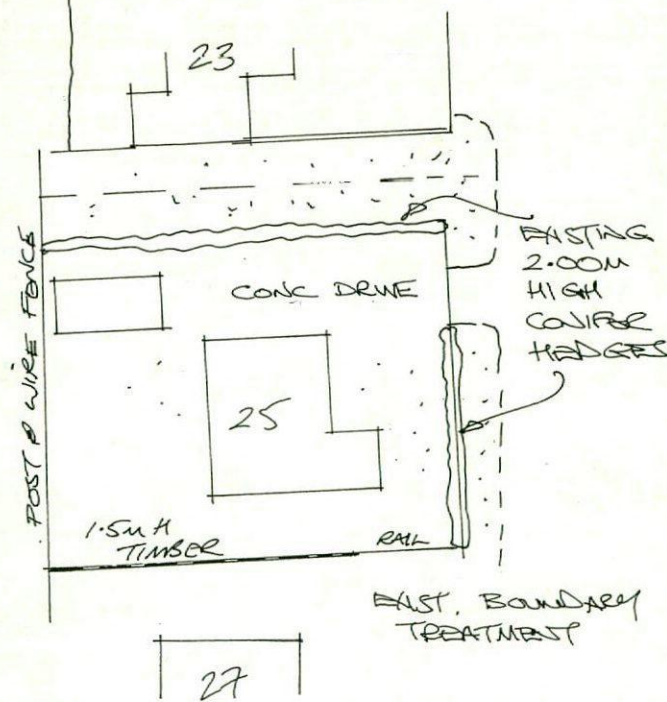




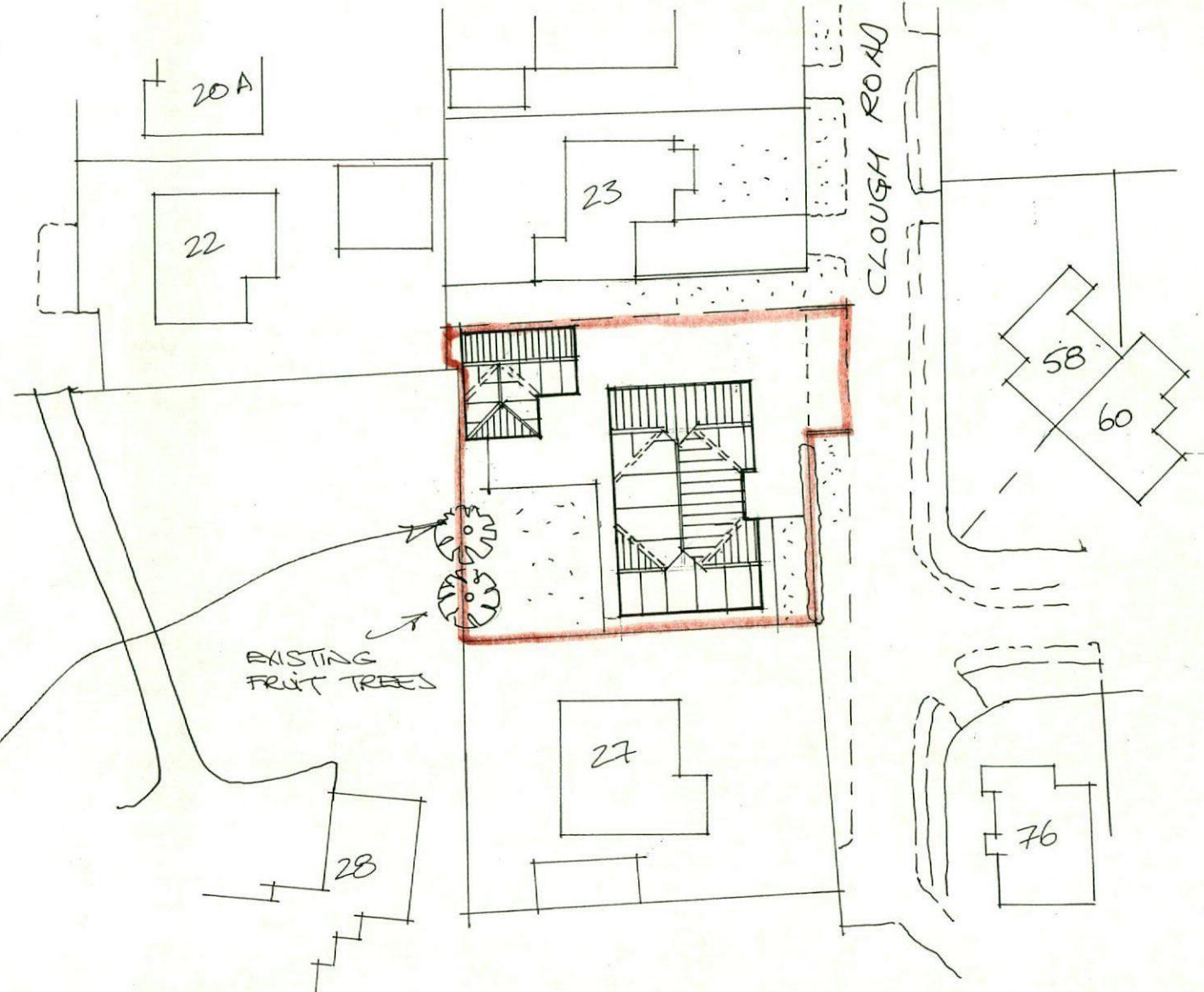
Location Plan 1:1250



PROPERTY REF. TO :-



Plot as Existing



Site Layout 1:500

Planning:

B/Regs:

Garry Greetham Associates Residential Design Consultant Westwood House 18 Carr Lane Tankersley Barnsley S75 3BE Tel(01226) 746573	
PROJECT	Detached Bungalow
CLIENT	Mr. & Mrs. A. Slater
TITLE	Site & Location Layouts
ADDRESS	25 Clough Road, Hoyland, Barnsley. S74 9EA
DRAWN BY	999
SCALE	as shown
DATE	June 19
DRAWING NO	911-01
REV	
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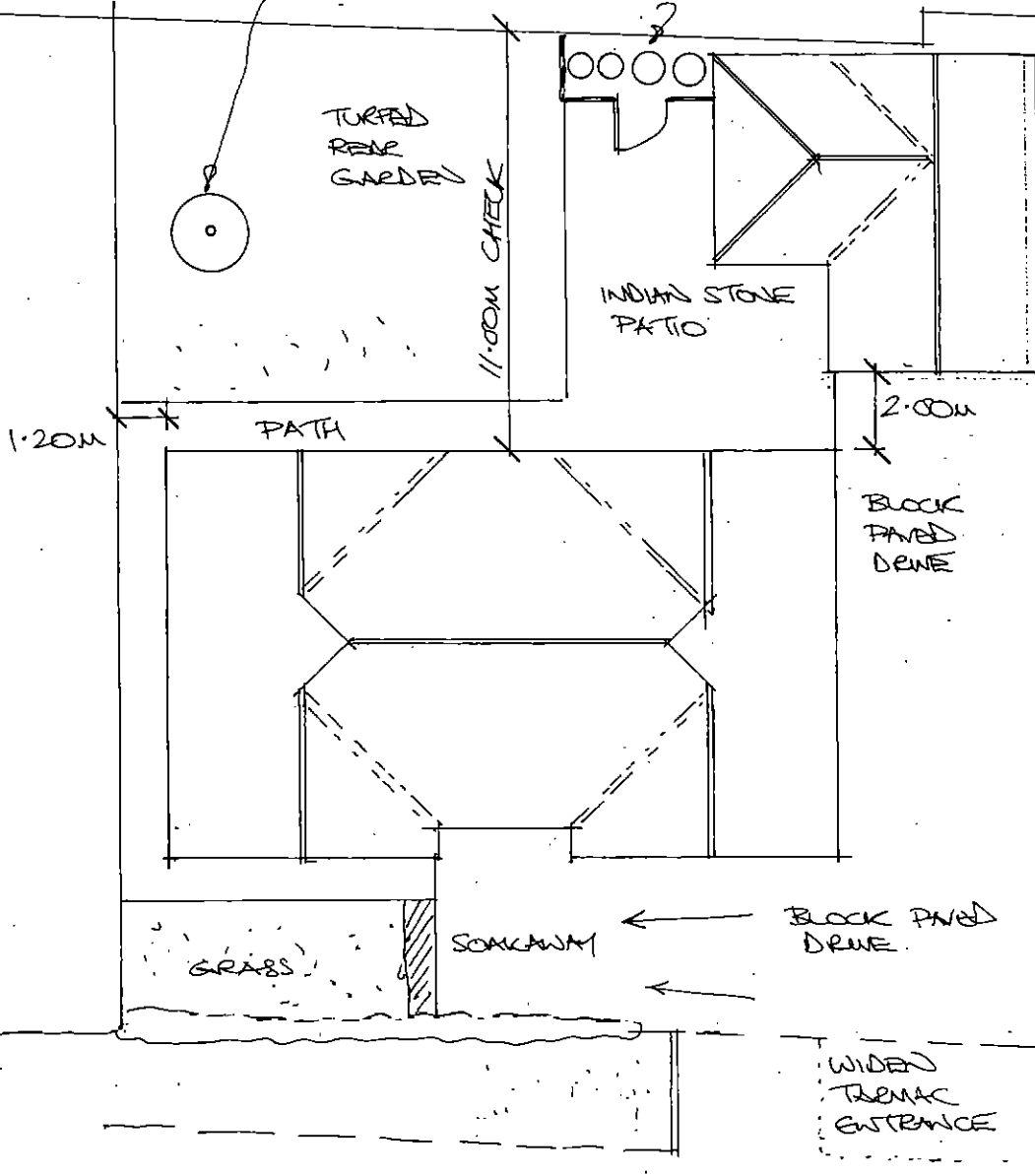
Rev	Notes	Date

27

23

Denotes location
for rotary dryer

Denotes refuse
& re-cycling
bin storage



Garry Greeham Associates Residential Design Consultant Westwood House 18 Carr Lane Tannersley Barnsley S75 3BE Tel(01226)746573	
PROJECT	Detached Bungalow
CLIENT	Mr. & Mrs. A. Slater
TITLE	External Works Layout
ADDRESS	25 Clough Road, Hoyland, Barnsley. S74 9EA
DRAWN BY	999
SCALE	1:200 DATE June 19
DRAWING No	911-02 REV
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Rev	Notes	Date

27

23

Table 11 Minimum dimensions for access fittings and inspection chambers

Type	Depth to invert from cover level (m)	Internal sizes		Cover sizes	
		Length x width (mm x mm)	Circular (mm)	Length x width (mm x mm)	Circular (mm)
Rodding eye		As drain but min 100		Same size as pipework ¹	
Access fitting					
small 150 diam	0.6 or less, except where situated in a chamber	150 x 100	150	150 x 100 ¹	Same size as access fitting
large 225 x 100					
Inspection chamber					
shallow	0.6 or less	225 x 100	190		190
	1.2 or less	450 x 450	450	Min 430 x 430	430
deep	> 1.2	450 x 450	450	max 300 x 300 ²	Access restricted to max 350 ³

Notes:

¹ The clear opening may be reduced by 20 mm in order to provide proper support for the cover and frame.² Drains up to 150mm.³ A larger clear opening cover may be used in conjunction with a restricted access. The size is restricted for health and safety reasons to deter entry.

Table 12 Minimum dimensions for manholes

Type	Size of largest pipe (DN)	Min internal dimensions ¹		Min clear opening size ¹	
		Rectangular length and width	Circular diameter	Rectangular length and width	Circular diameter
Manhole	< 1.5m deep to soffit	≤ 150	750 x 675 ¹	1000 ¹	na ¹
		225	1200 x 675	1200	1200 x 675 ¹
	> 1.5m deep to soffit	300	1200 x 750	1200	
		> 300	1800 x (DN+450)	The larger of 1800 or (DN+450)	
		≤ 225	1200 x 1000	1200	600 x 600
		300	1200 x 1075	1200	600
Manhole shaft*	> 3.0m deep to soffit of pipe	375-450	1350 x 1225	1200	
		> 450	1800 x (DN+775)	The larger of 1800 or (DN+775)	
		Steps ¹	1050 x 800	1050	600 x 600
		Ladder ²	1200 x 800	1200	600
		Winch ³	900 x 800	900	600 x 600

Notes:

¹ Larger sizes may be required for manholes on bends or where there are junctions.² May be reduced to 600 by 600 where required by highway loading considerations, subject to a safe system of work being specified.³ Not applicable due to working space needed.⁴ Minimum height of chamber in shafted manhole 2m from benching to underside of reducing slab.⁵ Min clear space between ladder or steps and the opposite face of the shaft should be approximately 900mm.⁶ Winch only - no steps or ladders, permanent or removable.⁷ The minimum size of any manhole serving a sewer (i.e. any drain serving more than one property) should be 1200 mm x 675 mm rectangular or 1200 mm diameter.

- Foul outlet and drain.
- Surface water outlet and drain.
- F.W. Inspection chamber.
- S.W. Rodding access
- S.W. Inspection chamber

Rev Notes Date

Garry Greetham Associates
Residential Design Consultant

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18 Carr Lane
Tankersley
Barnsley S75 3BE
Tel(01226)746573

PROJECT Detached Bungalow

CLIENT Mr. & Mrs. A. Slater

TITLE Drainage Layout

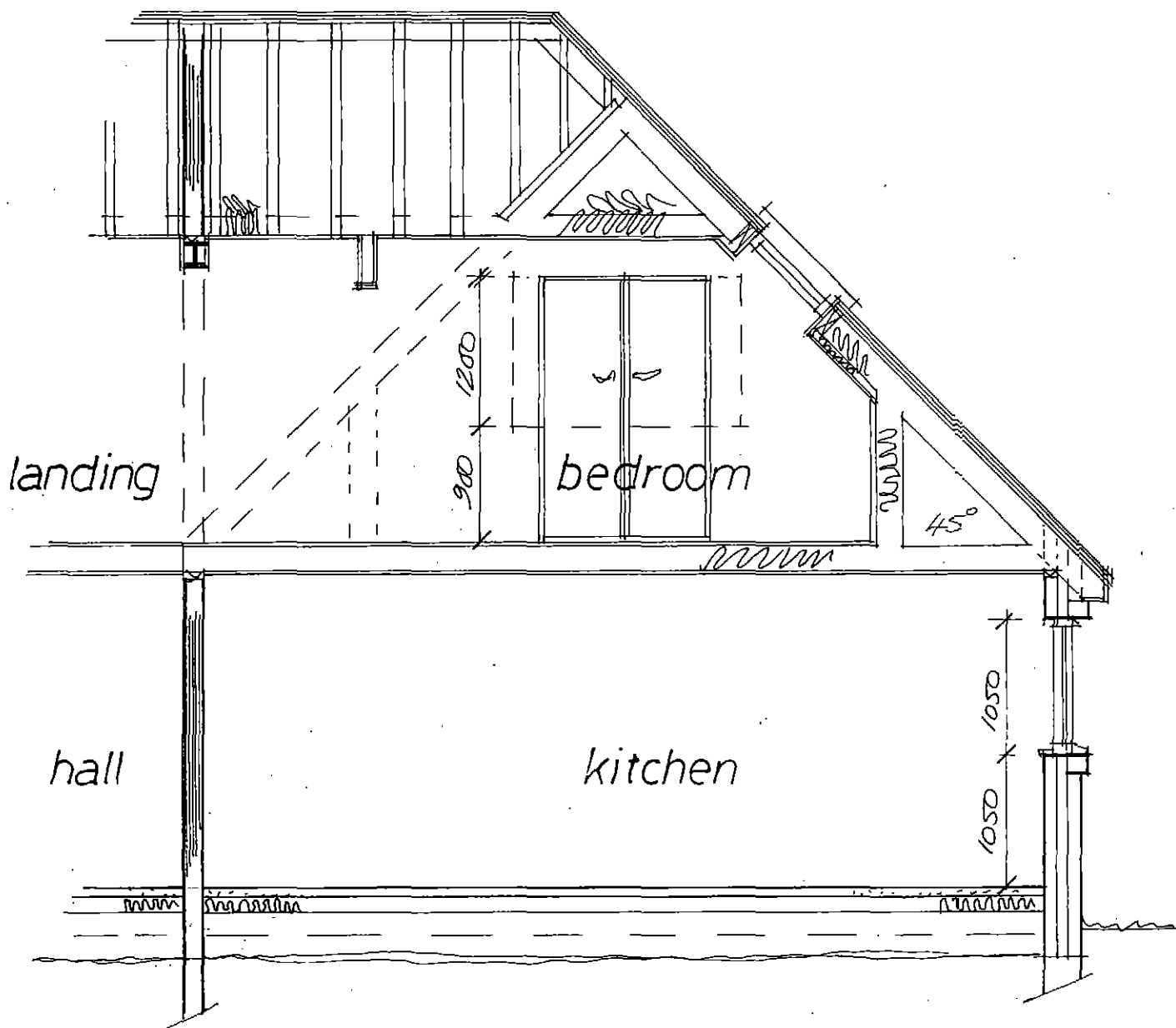
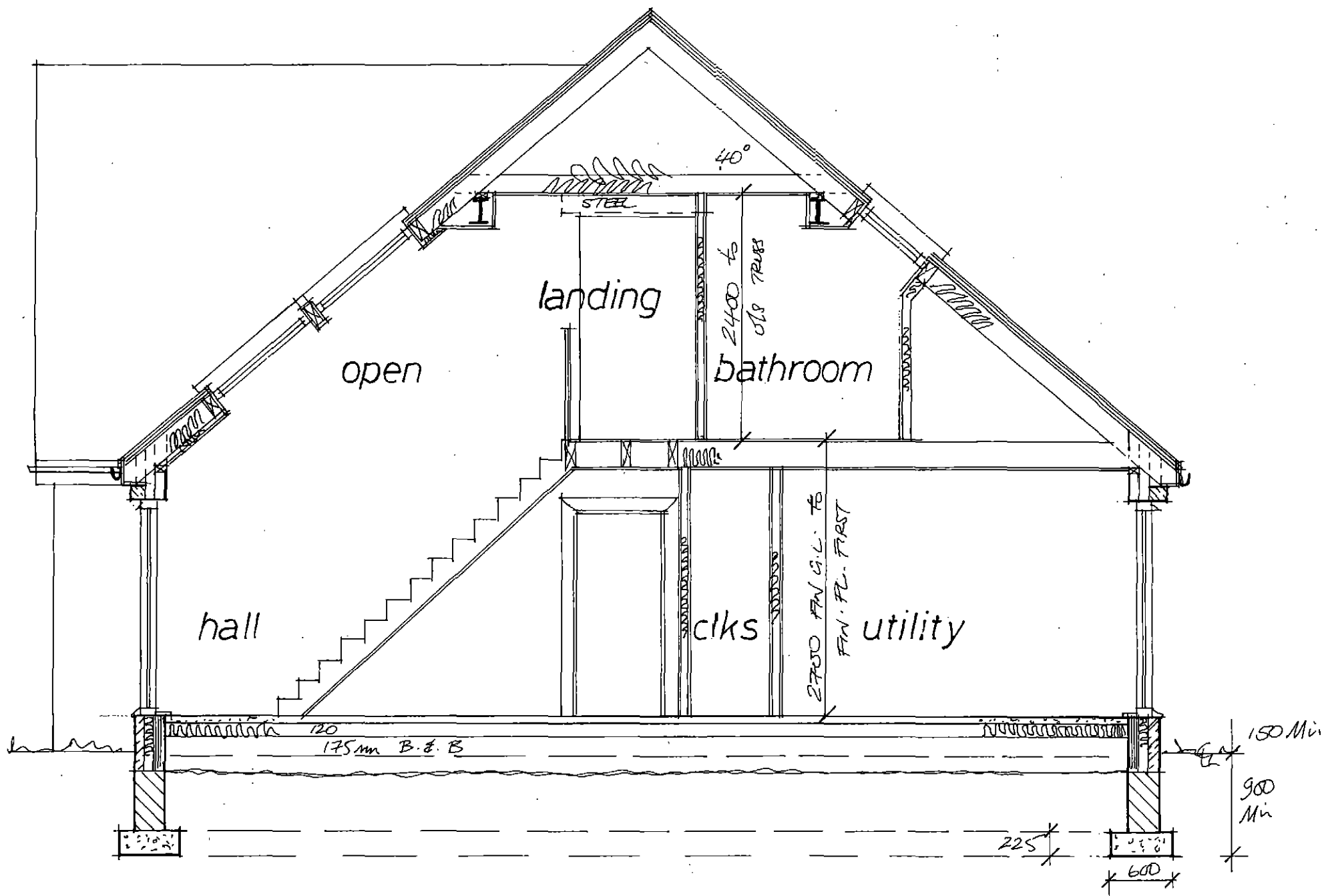
ADDRESS
25 Clough Road, Hoyland,
Barnsley, S74 9EA

DRAWN BY ggg

SCALE 1:200 DATE June 19

DRAWING No 911-03 REV

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Rev	Notes	Date

Garry Greetham Associates Residential Design Consultant Westwood House 18 Carr Lane Tankersley Barnsley S75 3BE Tel(01226)746573	
PROJECT	Detached Bungalow
CLIENT	Mr. & Mrs. A. Slater
TITLE	Typical Sections
ADDRESS	25 Clough Road, Hoyland, Barnsley. S74 9EA
DRAWN BY	ggg
SCALE	1:50
DATE	July 19
DRAWING No	911-06
REV	
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