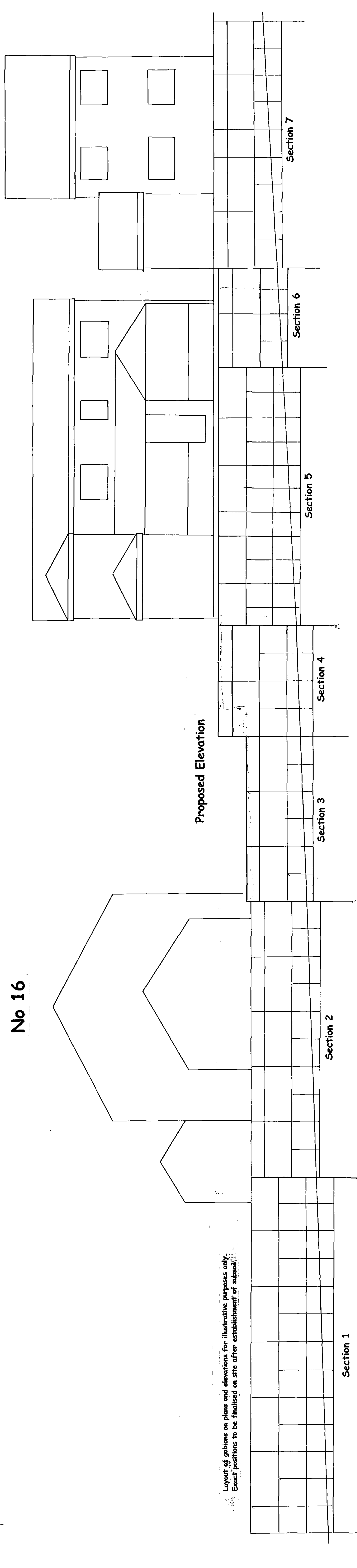


Existing Elevation



Proposed Elevation

Layout of gabions on plans and elevations for illustrative purposes only.  
Exact positions to be finalised on site after establishment of subsoil.

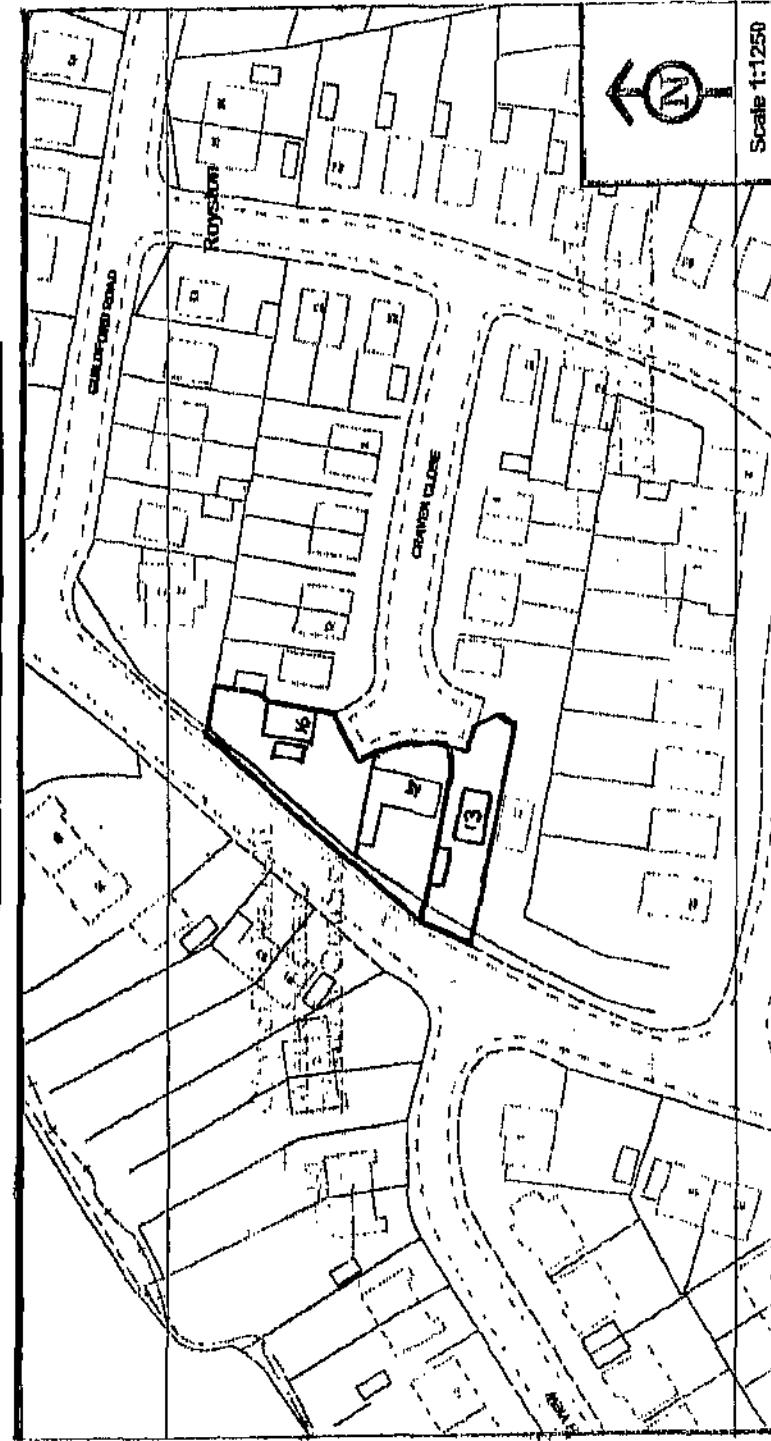
Gabions to be installed on well compacted MOT Type 1 granular material to a depth of 200mm - 300mm depending on sub soil. At an incline of 6 degrees.

Notes.

- All Gabions and fittings to be supplied by Maccaferri Ltd.
- Gabions to be MACCAFERRI PVC GALMAC HEXAGONAL WOVEN WIRE MESH P68/2.7, 80mm NOMINAL MESH SIZE, 2.7mm DIA. MESH WIRE ZINC 5% ALUMINIUM ALLOY COATED TO BS443 WITH BONDED GREY PVC COATING OF MEAN WALL THICKNESS OF 0.5mm
- Gabions to be laced together with Stainless Steel lacing wire supplied by Maccaferri with each gabion. Lacing specification to be as per manufacturer's instructions on Certificate No 95/3141 Detail Sheet 2 & Technical Data Sheet UK/TDS/68 Rev:04, April 07
- Gabions greater than 1m x 1m x 1m to have internal diaphragms fitted prior to filling.
- Gabions are to be filled to 1/3 height and braced front to rear, filled to 2/3 height and again braced. Filling to then be completed. Minimum four braces per m<sup>3</sup> of face as per manufacturer's instructions on Certificate No 95/3141 Detail Sheet 2 & Technical Data Sheet UK/TDS/68 Rev:04, April 07.
- Gabions to be filled with suitable stone (6F5) to a level approximately 50mm to 75mm overfill to allow for settlement of the infill due to self-weight.
- The mesh lid is to be folded down, stretched into position and secured to the front, sides and diaphragms as per manufacturer's instructions on Certificate No 95/3141 Detail Sheet 2 & Technical Data Sheet UK/TDS/68 Rev:04, April 07
- Gabions to be installed on well compacted MOT Type 1 granular material to a depth of 200mm - 300mm depending on sub soil. At an incline of 6 degrees.
- Each Gabion to be properly secured to adjacent gabions above, below and each side using supplied lacing wire as per manufacturer's instructions on Certificate No 95/3141 Detail Sheet 2 & Technical Data Sheet UK/TDS/68 Rev:04, April 07
- Mattresses to be constructed installed and filled in same way as Gabions.

- All works to be made available to be inspected and approved at each stage by Highways Structural Engineer.
- No passive resistance has been used in the calculations.
- Calculations have assumed an allowable bearing pressure of the ground/footings under the gabions to be 100kN/m<sup>2</sup>
- A surcharge loading to the finished level of the garden of 10kN/m<sup>2</sup> has been used in the calculations.
- The weight of fill material to be used has been assumed to be 1600kG/m<sup>3</sup>, the lower weight of the different available Gabion stone materials.
- The factor of safety for overturning has been calculated to be 2.28
- The factor of safety for sliding has been calculated to be 1.96
- The calculations have been carried out on the worst case scenario of a wall of 3m in height even though most of the wall is at 2.5m or below.
- The above calculations have been achieved on a structure that has been checked in the upright position and the final position will be one of a rearward inclination of 6° as per the manufacturer's recommendations.
- It is proposed to fill the Gabions with a recycled material (6F5) to aid in the landscaping of the finished wall.
- The finished wall will be planted at regular intervals with evergreen trailing plants such as VINCA Major-Variegata, VINCA Minor Variegata, COTONEASTER Dammeri.
- The top of the wall will be planted with Hawthorn whips to re-establish the hedge line and to obscure the garden wall.
- Both of these plantings will be in good quality soil packed into clay pipes placed into the wall at the time of filling of the Gabion baskets.

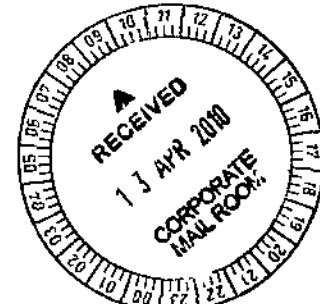
Location Plan:- 1:1250



Proposed Erection of Gabion  
Retaining Wall to the rear of No's  
13, 15 & 16 Craven Close

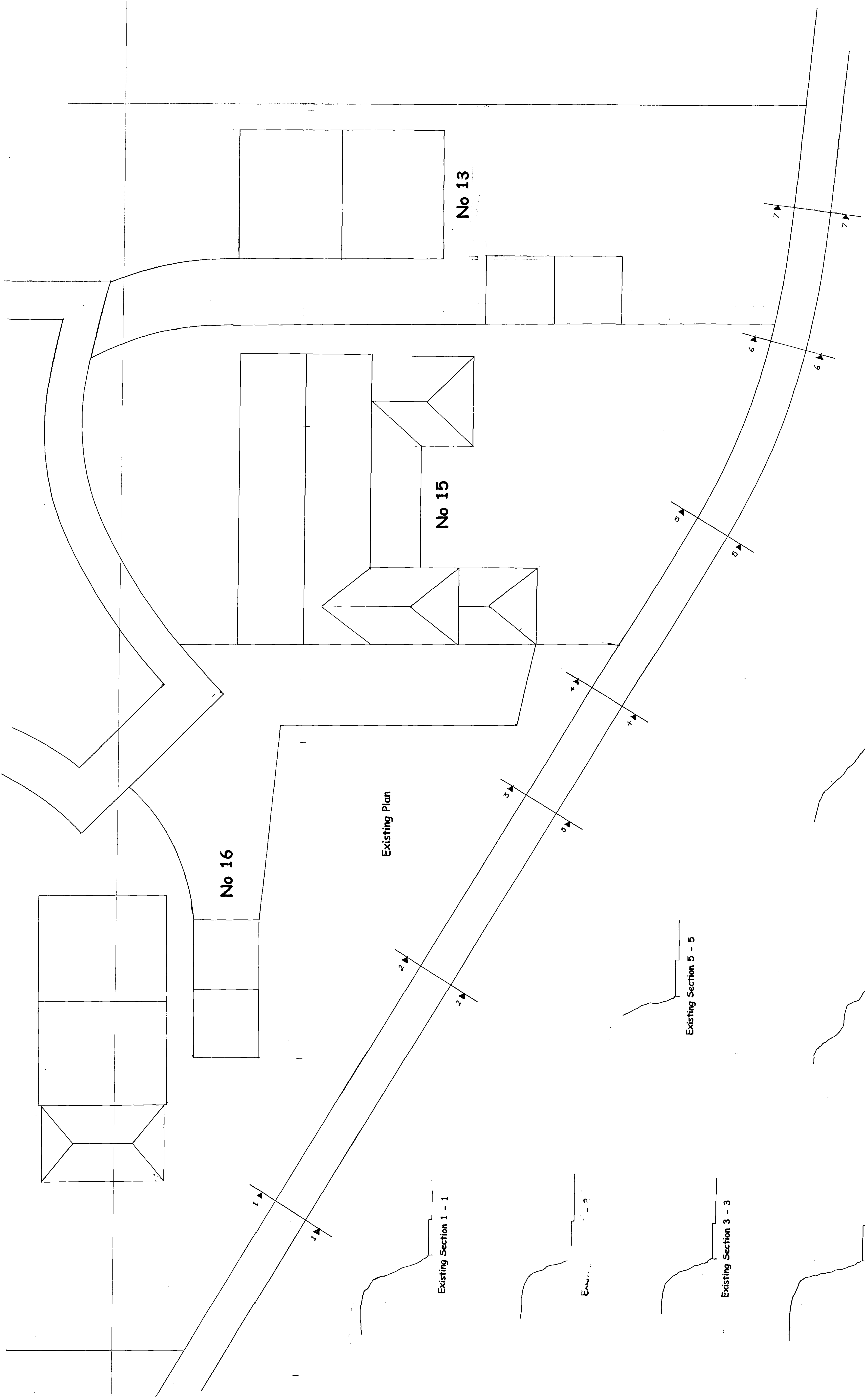
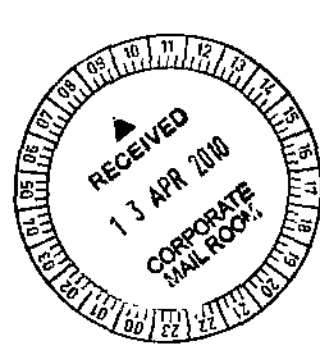
Elevations & Plans  
Scale 1:50

Mr D Skelt, S Woodland & Mr V  
Crawshaw  
13, 15 & 16 Craven Close  
Royston  
BARNESLEY  
South Yorkshire  
S71 4BL



Name: Simon Woodland  
Signature:  
Date:





Existing Section 1 - 1

Existing Section 2 - 2

Existing Section 3 - 3

Existing Section 4 - 4

Existing Section 5 - 5

Existing Section 6 - 6

Existing Section 7 - 7

Existing Plan

No 16

No 15

No 13