

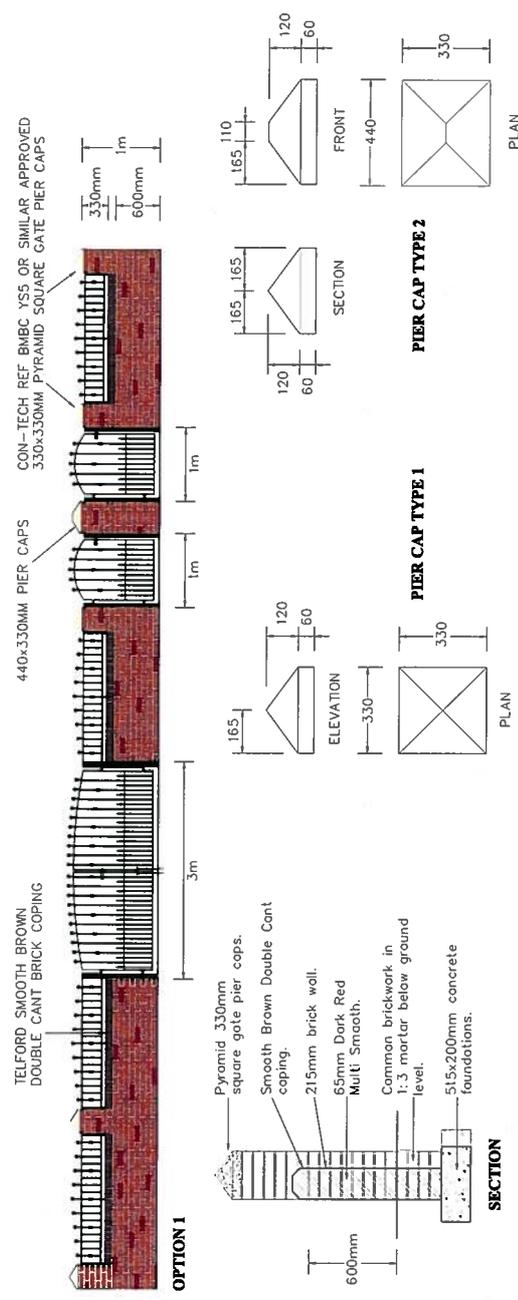
NATIONAL HOME ENERGY RATING SCHEME REGISTERED NUMBER



2009-2004  
Beacon Council  
Rethinking Construction



## GREEN CORRIDOR, ROYSTON BOUNDARY WALL DESIGN TYPE 1 (1m HIGH)



1. Carefully take down existing boundary wall including the removal of any foundations and cart away
2. Excavate ground to a depth of 450mm.
3. Lay concrete foundation 1:2.6 cement:sand; aggregate, 200mm thick and 300mm wider than the proposed wall (equal width either side of centre line of wall).
4. Construct new boundary wall using Hanson's 65mm Dark Red Multi Smooth bricks with Telford Smooth Brown Double Cant coping header course (all readily available from Taylor Woxwell, Wakefield). Insert expansion joints using fibre board for spacing and fill with polysulphide mastic (colour red) at spacings of no more than 6m. Coloured mortars from the Ticon range or similar approved are to be used. Dark Red Multi Smooths = Ticon Y165, Baggerridge Telford Smooth Browns = Ticon Y73. Apply approved water repellent to all surfaces of all sides all in accordance with manufacturer's instructions.
5. Walls to be 225mm solid brick in English garden wall bond, 5 stretcher courses to one header course.
6. Brick and half pillars with Pyramid 330mm square gate pier caps (Con-Tech Services Ltd, Barnsley Tel: 01226 244051 Ref. BMBC YS 5 or similar approved) to be constructed at the boundary of each property, to all gateway openings and equally spaced along the length of the wall.
7. Fabrication of gates and railings are to incorporate a framework of 40mm x 10mm flat bar with 16mm round infill bars. Installation of the gates to include 50mm x 50mm steel posts for pedestrian gates (75mm x 75mm steel posts for double/bi-fold/driveway gates) anchored onto the pillars and bedded into concrete to a depth suitable to carry their weight. All ironworks to be galvanised and block powder coated. Hinges/bolts to be sprayed black on completion.
8. Railings are to be secured to the pillars using anti-vandal fixings, fastened through 30x30mm steel posts.
9. Care must be taken that, on completion, the gates open and close freely, are free of burrs and burrs and are secured to hinges and all weld joints are sealed, leaving no pockets for water to collect.
10. Double/bi-fold/driveway gates to have retaining bars, with lugs inset into the ground (for both open and closed positions). Retaining bars to incorporate anti-removal lug.
11. Drive gates to incorporate lugs to enable gates to be padlocked. Lugs to have a 14mm diameter hole.

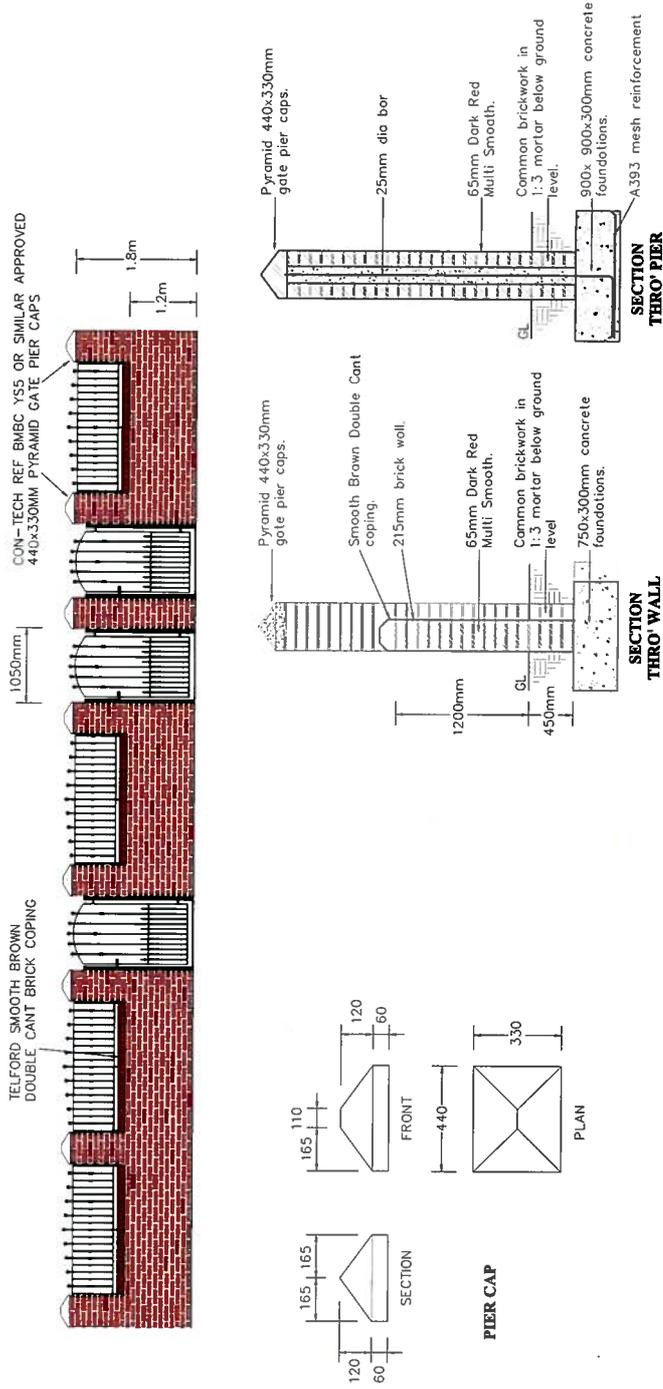
**BARNESLEY**  
Metropolitan Borough Council

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<b>PROJECT</b> ROYSTON AREA EXTERNAL IMPROVEMENT WORKS PHASE 6	
<b>DRAWING</b> BOUNDARY WALL DESIGN TYPE 1 (1M HIGH)	
Drawn ab	Revision
Scale 1:50 @ A2	Date June 2010
Project Code HSG 4185	Drawing No. 06

# GREEN CORRIDOR, ROYSTON BOUNDARY WALL DESIGN TYPE 1 (1.8m HIGH)



- Carefully take down existing boundary wall including the removal of any foundations and cart away
- Excavate ground to a depth of 750mm.
- Lay concrete foundation 1:2:6 cement:sand:aggregate, 300mm thick and 535mm wider than the proposed wall (equal width either side of centre line of wall).
- Construct new boundary wall using Hanson's 65mm Dark Red Multi Smooth bricks with Telford Smooth Brown Double Cant coping header course (all readily available from Taylor Maxwell, Wakefield). Insert expansion joints using fibre board for spacing and fill with polysulphide mastic (colour red) at spacings of no more than 6m. Coloured mortars from the Ticon range or similar approved are to be used. Dark Red Multi Smooths = Ticon Y16S, Boggerridge Telford Smooth Browns = Ticon Y73. Apply approved water repellent to all surfaces of all sides all in accordance with manufacturer's instructions.
- Walls to be 215mm solid brick in English garden wall bond, 6 stretcher courses to one header course.
- Brick pillars with Pyramid 440x330mm gate pillar caps (Con-Tech Services Ltd, Barnsley Tel: 01226 244051 Ref. BMBC YS 5 or similar approved) to be constructed at the boundary of each property, to all gateway openings and equally spaced along the length of the wall.
- Fabrication of gates and railings are to incorporate a framework of 40mm x 10mm flat bar with 16mm round infill bars. Installation of the gates to include 50mm x 50mm steel posts for pedestrian gates (100mm x 100mm x 100mm steel posts for double/bi-fold/driveway gates) anchored onto the pillars and bedded into concrete to a depth suitable to carry their weight. All ironwork to be galvanised and black powder coated. Hinges/bolts to be sprayed black on completion.
- Bottom of gates to follow rate of ground level.
- Railings are to be secured to the pillars using anti-vandal fixings, fastened through 30x30mm steel posts.
- Care must be taken that, on completion, the gates open and close freely, are free of bars or burrs and are secured to hinges and all weld joints are sealed, leaving no pockets for water to collect.
- Double/bi-fold/driveway gates to have retaining bars, with lugs inset into the ground (for both open end closed positions). Retaining bars to incorporate anti-removal lug.
- Drive gates to incorporate lugs to enable gates to be padlocked. Lugs to have 14mm diameter hole.

NATIONAL HOME ENERGY RATING SCHEME REGISTERED NUMBER

2003-2004 Beacon Council Refinancing Construction

**BARNLSLEY** Metropolitan Borough Council

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**PROJECT**  
ROYSTON AREA  
EXTERNAL IMPROVEMENT  
WORKS PHASE 6

**DRAWING**  
BOUNDARY WALL  
DESIGN TYPE 1  
(1.8M HIGH)

Drawn	Revision
db	
Scale	Date
1:50 @ A2	June 2010
Project Code	Drawing No.
HSG 4185	07