

## WOODEN POST AND RAIL FENCING

NOTES (To be read in conjunction with Drg No SD/3/17 & 18)

GENERAL

1. All dimensions are in millimetres unless otherwise stated.
2. BS 1722 Part 7 applies unless otherwise stated.
3. Fencing to follow the ground profile with small adjustments to height as necessary to obtain flowing alignment.
4. Permanent fencing shall be erected immediately on possession of the site in accordance with clause 302 of the specification. Where this cannot be achieved, a temporary fence shall be provided as described in the above clause and to one of the alternatives given on Drg Nos SD/3/2-5.

MATERIALS

1. All timber shall comply with specification clause 304 and Appendix 3/2.
2. Dimensions of posts shall be as listed in the tables.
3. Rails shall have a section of 38mm x 87mm.
4. Prick posts shall be pointed for driving.
5. Nails shall be 4mm x 100mm galvanised in accordance with the requirements of BS EN ISO 1461.

ERECTION - Nailed Post and Rail Fencing

1. Main posts shall be set at intervals not exceeding 1.800m.
2. Posts wherever possible shall be driven. Where driving is not possible the holes shall be as small as practicable to allow for refilling with earth, which shall be well rammed as the filling proceeds and re-rammed as and when required.
3. Where a fence forms a boundary between a highway and private property, the rails shall be fixed to the private side.
4. The rails shall be butt-jointed on the centre line of posts. The joints shall be staggered so that alternate joints occur on one post. The rails shall be nailed to the posts with two nails at the centre. The nails shall be 4mm x 100mm round wire nails driven in on the skew. No end splits caused by nailing shall be permitted.
5. Where additional stockproofing is required in the contract it will be fixed according to the specification of extras on Drg No SD/3/19.

ERECTION - Morticed Post and Rail Fencing

1. Main posts shall be set at intervals not exceeding 2.850m.
2. Posts wherever possible shall be driven. Where driving is not possible the holes shall be as small as practicable to allow for refilling with earth, which shall be well rammed as the filling proceeds and re-rammed as and when required.
3. Where a fence forms a boundary between a highway and private property, the prick posts shall be fixed to the private side.
4. The rails shall fit into the mortices in the posts and shall be nailed to each prick posts with two 100mm wire nails at each intersection, the ends of the nails being clinched. Joints in rails shall be scarfed, the length of the scarf being not less than 150mm.
5. Where additional stockproofing is required in the contract it will be fixed according to the specification of extras on Drg No SD/3/19.
6. Where two prick posts are specified they should be placed at 1/3 of a bay from each post.

ERECTION - General

1. Where concrete backfill is specified the holes will not be less than 300mm square. Holes will be filled up to half their depth with concrete which will be well rammed as filling proceeds. Before the concrete has set the remainder of the hole will be filled with suitable material and well rammed as filling proceeds.
2. Concrete to be class C10P.

Rev.	Description	Drawn	Ch'kd	Auth	Date



in partnership with



www.viaem.co.uk Tel 0115 804 2100

Bilsthorpe Depot, Bilsthorpe Business Park, Bilsthorpe, Nottinghamshire, NG22 8ST

Project		<b>Highway Construction Details</b>			Project	Drawn	Date
Status		<b>Fencing</b>			JLS	JLS	20/08/2020
Drawing Title		<b>Post And Rail Fencing To BS 1722 Part 7</b>			Ch'kd	JD	Date
Drawing No.		<b>SD/3/16A</b>			Auth	JJP	Traced
					Rev.	0	Scale
							N.T.S @A4