

FIELD FENCE

1. **APPLICABILITY**

Construction Specification 92 is applicable to the installation of field fence of the barbed wire, woven wire or wire netting types.

2. **MATERIAL SPECIFICATIONS**

Material Specification 591 is complementary to Construction Specification 92.

3. **ITEMS TO BE INCLUDED IN CONTRACT SPECIFICATIONS AND DRAWINGS**

- a. Plan showing the location and extent of fences including location of gates, corners, braces, and end points.
- b. Dimensions of the fence including post spacing, clearance from ground and height of fence.
- c. Details of concrete or other specialty post, if required.
- d. Details of posts and assemblies.
 - (1) Type and type of posts as defined and referenced in Material Specification 591.
 - (2) Line post detail showing height of post, depth of embedment.
 - (3) Details of end panel assembly, pull post assembly, brace panel assembly and corner assembly including types of posts, types of backfill, types and dimensions of braces, gauges of tension wires and details of fastening of tension wires to post.
 - (4) Special anchor requirements for posts at crossings over depressions or waterways.
 - (5) Where fencing is to be placed on a curved alignment, special consideration should be given to providing adequate vertical stability for prevention of pull-over. Consideration should include spacing of end panels, post spacing, type of posts and post depth.
- e. Details of gates. The details listed in b, c, d, and e, may often be shown on a standard drawing developed for use for fencing projects within an agency administrative area.
- f. Type and kind of fencing, as defined in Section 11.
 - (1) For barbed wire fencing, specify the type, gauge of wire, gauge and spacing of barbs and the number of points per barb.

(2) For woven wire fencing, specify the type, style, design number, and tensile strength grade.

(3) For wire netting, specify the type, style, height of netting, size of mesh and gauge of wire, or design number and coating class.

(4) For high tensile strength wire fencing material, specify the strength grade classification.

g. Species of wood posts.

h. Preservative treatment of wood posts and braces, as applicable.

i. Protective coating (painted or zinc-coated) for steel posts and braces.

4. DISCUSSION OF METHODS

a. Section 10, Measurement and Payment

(1) Method 1 is intended for use when gates are simple and are considered to be of field fabricated type.

(2) Method 2 is intended for use when gates must be shop fabricated, available on the market, or when gates must be installed within existing fences.

When specifications are prepared using electronic procedures and all but one method is deleted for use in a contract specification, delete "All Methods The following provisions apply to all methods of measurement and payment." and left justify the remaining text.