

## Series 300: Fencing and Environmental Noise Barriers

### Fencing, Gates and Stiles

Units

1 The units of measurement shall be:

- (i) fencing.....linear metre.
- (ii) concrete footing to timber posts.....number.
- (iii) gates, stiles.....number.

Measurement

2 Where a particular type of temporary fencing is specified in Appendix 3/1 by the Employer's Representative and shown on the drawings it shall be measured. All other temporary fencing required by the Contractor in the discharge of his obligations under the Conditions of Contract shall not be measured.

The measurement of fencing shall be the developed length along the centre line of the fence. The measurement of height of fencing shall be that stated in the Contract for the type of fence.

The measurement of width of gates shall be the distance between the outer edges of the stiles; the outer edges of hanging stiles in the case of double gates.

The measurement of height of gates shall be the distance between the upper surface of the top rail and the underside of the bottom rail.

Concrete footing to timber posts shall only be measured for those locations stated in Appendices 1/15 or 3/1 of the Specification.

Itemisation

3 Separate items shall be provided for fencing in accordance with Chapter II paragraphs 3 and 4 and the following:

Group	Feature
1	1 Each type of fencing
	2 Concrete footing to each type of timber post for each type of fencing
	3 Each type of gate
	4 Each type of stile
n	1 Fencing of different heights
	2 Gates of different heights and widths
in	1 Painted fencing, gates or stiles

Fencing

4 The items for fencing shall in accordance with the Preambles to Bill of Quantities General Directions include for:

Item Coverage	<ul style="list-style-type: none"><li>(a) excavation of acceptable material (as Series 600 paragraphs 17 and 18);</li><li>(b) excavation of unacceptable material (as Series 600 paragraph 19);</li><li>(c) excavation in Hard Material (as Series 600 paragraph 23);</li><li>(d) trimming ground on the line of the fencing;</li><li>(e) in situ concrete (as Series 1700 paragraph 4);</li><li>(f) form work (as Series 1700 paragraph 14);</li><li>(g) reinforcement (as Series 1700 paragraph 25);</li><li>(h) backfilling and compaction;</li><li>(i) disposal of material (as Series 600 paragraph 39);</li><li>(j) preservation of timber;</li><li>(k) adjustment of fencing to a flowing alignment including additional length posts;</li><li>(l) fittings;</li><li>(m) joining to existing fencing, gates, hedges and walls;</li><li>(n) protective system (as Series 1900 paragraph 4);</li><li>(o) inspection and maintenance of fencing and gates;</li><li>(p) erection and removal of temporary fencing and gates;</li><li>(q) additional posts and rails over ditches;</li><li>(r) maintenance of access for owners, tenants and occupiers of adjoining land and patrolling gaps or openings;</li><li>(s) epoxy resin compound and mastic filler to posts fixed in sockets.</li></ul>
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**Concrete Footing to  
Timber Posts**

5 The items for concrete footing to timber posts shall in accordance with the Preambles to Bill of Quantities General Directions include for:

Item Coverage	<ul style="list-style-type: none"><li>(a) excavation of acceptable material (as Series 600 paragraphs 17 and 18);</li><li>(b) excavation of unacceptable material (as Series 600 paragraph 19);</li><li>(c) excavation in Hard Material (as Series 600 paragraph 23);</li><li>(d) in situ concrete (as Series 1700 paragraph 4);</li><li>(e) formwork (as Series 1700 paragraph 14);</li></ul>
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- (f) reinforcement (as Series 1700 paragraph 25);
- (g) backfilling and compaction;
- (h) disposal of material (as Series 600 paragraph 39).

**Gates and Stiles**

- 6 The items for gates and stiles shall in accordance with the Preambles to Bill of Quantities General Directions include for:

Item Coverage

- (a) excavation of acceptable material (as Series 600 paragraphs 17 and 18);
- (b) excavation of unacceptable material (as Series 600 paragraph 19);
- (c) excavation in Hard Material (as Series 600 paragraph 23);
- (d) trimming ground at entrance;
- (e) in situ concrete (as Series 1700 paragraph 4);
- (f) formwork (as Series 1700 paragraph 14);
- (g) reinforcement (as Series 1700 paragraph 25),
- (h) backfilling and compaction;
- (i) disposal of material (as Series 600 paragraph 39);
- (j) preservation of timber;
- (k) protective system (as Series 1900 paragraph 4);
- (l) posts, fittings and furniture;
- (m) joining to existing fencing, hedges and walls;
- (n) in the case of new gates and stiles in existing fencing, hedges or walls, forming openings and making good.

**Remove from Store and Re-erect Fencing, Gates and Stiles**

Units

- 7 The units of measurement shall be:
- (i) remove from store and re-erect fencing      linear metre.
  - (ii) concrete footing to timber posts      number.
  - (iii) remove from store and re-erect gates and stiles      number.

**Measurement** The measurement of re-erected fencing shall be the developed length along the centre line of the re-erected fencing. The measurement of height of fencing shall be that stated in the Contract for the type of fence.

The measurement of width of gates shall be the distance between the outer edges of the stiles; the outer edges of hanging stiles in the case of double gates.

The measurement of height of gates shall be the distance between the upper surface of the top rail and the underside of the bottom rail

Concrete footing to timber posts shall only be measured for those locations stated in Appendices 1/15 or 3/1 of the Specification.

**Itemisation** Separate items shall be provided for re-erected fencing, gates and stiles in accordance with Chapter II paragraphs 3 and 4 and the following:

Group	Feature
I	1 Each type of re-erected fencing
	2 Concrete footing to timber posts of each type of re-erected fencing
	3 Each type of re-erected gate
	4 Each type of re-erected stile
II	1 Re-erected fencing of different heights
	2 Re-erected gates of different heights and widths
III	1 Re-erected painted fencing, gates or stiles

**Remove from Store and Re-erect Fencing**

**10** The items for remove from store and re-erect fencing shall in accordance with the Preambles to Bill of Quantities General Directions include for:

**Item Coverage**

- (a) loading, transporting from store, unloading and positioning for re-erection;
- (b) replacing items damaged during the foregoing operations;
- (c) modification and new materials;
- (d) painting existing painted items;
- (e) fencing (as this Series paragraph 4).

**Concrete Footing to Timber Posts**

**11** The items for concrete footing to timber posts shall in accordance with the Preambles to Bill of Quantities General Directions include for:

**Item Coverage**

- (a) concrete footing to timber posts (as this Series paragraph 5).

**Remove from Store and Re-erect Gates and Stiles**

**12** The items for remove from store and re-erect gates and stiles shall in accordance with the Preambles to Bill of Quantities General Directions include for:

- Item Coverage
- (a) loading, transporting from store, unloading and positioning for re-erection;
  - (b) replacing items damaged during the foregoing operations;
  - (c) modification and new materials;
  - (d) painting existing painted items;
  - (e) gates and stiles (as this Series paragraph 6).

**Walls and Environmental Noise Barriers**

- Units
- 13 The unit of measurement shall be:
- (i) walls. . . . . linear metre.
  - (ii) environmental noise barriers. . . . . linear metre.

- Measurement
- 14 The measurement shall be the developed length along the centre line of the top of the wall or the environmental noise barrier.
- The measurement of height of wall or environmental noise barrier shall be that stated in the Contract for the type of wall or environmental noise barrier.

- Itemisation
- 15 Separate items shall be provided for walls and environmental noise barriers in accordance with Chapter II paragraphs 3 and 4 and the following.

Group	Feature
I	1 Each type wall
	2 Each type of environmental barrier
II	1 Walls of different heights
	2 Barriers of different heights
III	1 Curved on plan
IV	1 With battered face
V	1 Different finishes
VI	1 Different infills

- Walls
- 16 The items for walls shall in accordance with the Preambles to Bill of Quantities General
- Directions include for:

- Item coverage
- (a) excavation of acceptable material (as Series 600 paragraph 17 and 18);
  - (b) excavation of unacceptable material (as Series 600 paragraph 19);

- (c) excavation in Hard Material (as Series 600 paragraph 23);
- (d) in situ concrete (as Series 1700 paragraph 4);
- (e) formwork (as Series 1700 paragraph 14);
- (f) reinforcement (as Series 1700 paragraph 25);
- (g) backfilling and compaction;
- (h) disposal of material (as Series 600 paragraph 39);
- (i) preservation of timber;
- (j) sample panels;
- (k) protective system (as Series 1900 paragraph 4);
- (l) forming pockets and casting in sockets;
- (m) fixing to structures and other elements;
- (n) accesses;
- (o) gabion walling and mattresses (as Series 600 paragraph 112);
- (p) crib-walling (as Series 600 paragraph 116);
- (q) pre-cast members, slabs, segmental units, hinges, specially moulded blocks, copings, plinths, capping units, culverts and facing unit (as Series 1700 paragraph 9).

**Environmental Noise Barriers**

17 The items for environmental noise barriers shall in accordance with the Preambles to Bill of Quantities General Directions include for:

**Item coverage**

- (a) excavation of acceptable material (as Series 600 paragraph 17 and 18);
- (b) excavation of unacceptable material (as Series 600 paragraph 19);
- (c) excavation in Hard Material (as Series 600 paragraph 23);
- (d) in situ concrete (as Series 1700 paragraph 4);
- (e) formwork (as Series 1700 paragraph 14);
- (f) reinforcement (as Series 1700 paragraph 25);
- (g) backfilling and compaction;

- (h) disposal of material (as Series 600 paragraph 39);
- (i) preservation of timber,
- (j) trimming ground on the line of the environmental noise barrier;
- (k) burying the bottom of the environmental noise barrier or gravel board;
- (l) sample panels including safety barriers;
- (m) gates, fittings and furniture;
- (n) adjustment of the environmental barrier to a flowing alignment;
- (o) protective system (as Series 1900 paragraph 4);
- (p) forming pockets and casting in sockets;
- (q) fixing to structures and other elements;
- (r) accesses;
- (s) filling.

