SPECIFICATION FOR 4.0 m HIGH PERIMETER FENCING AND ACCESS GATE LOWER SHEERING PLAYGROUND

1. **Scope of Works**

Provide all labour, materials, plant, equipment and associated works necessary to:

- Permanently remove and dispose of all trees, bushes, hedging, scrub and undergrowth in the vicinity of the fenceline, including vegetation adjacent to neighbouring properties, as required to enable installation of the new fencing and gate.
- Remove and dispose of the existing gate and fence, including all posts, foundations, fittings and associated materials.
- Supply and install approximately 120 linear metres of 4.0 m high perimeter fencing to enclose two sides of a recreation area.
- Supply and install one new 3.0 m wide × 2.0 m high double-leaf access gate.
- Complete all associated foundations, posts, mesh panels, fixings and ancillary components.

All works shall be completed in accordance with this specification and the manufacturer's recommendations.

2. **Fence Type**

The fence shall comprise a rigid welded steel mesh fencing system designed for recreational and sports facilities.

- Overall fence height: 4,000 mm above finished ground level.
- Total fence length: 120 m. approx. (contractor to check on site)
- Configuration: Straight alignment unless otherwise indicated.
- Finish: Hot-dip galvanised and polyester powder coated.
- Colour: RAL 6005 Moss Green (or approved equivalent unless otherwise specified).

3. **Mesh Panels**

Provide welded steel mesh panels with the following minimum characteristics:

- Mesh aperture: 50 mm × 200 mm.
- Vertical wires: Minimum 5 mm diameter.
- Horizontal wires: Minimum 5 mm diameter.

- Panel width: Approximately 2.5 m.
- Panel height: To achieve overall fence height of 4.0 m.
- Anti-climb welded mesh construction.
- All cut edges protected against corrosion.

4. Posts

Posts shall be steel hollow sections suitable for supporting a 4.0 m high fence.

- Post type: RHS steel posts.
- Minimum section size: 80 mm × 80 mm × 4 mm wall thickness.
- Maximum post centres: 2.5 m.
- End, corner and straining posts to be increased in size as required by design calculations.
- Posts to be supplied complete with proprietary mesh fixing system.

5. Foundations

Each post shall be set in concrete foundations.

- Foundation dimensions: Minimum 400 mm × 400 mm × 900 mm deep.
- Concrete grade: C25/30.
- Foundation size to be increased where required by ground conditions, wind loading calculations or manufacturer recommendations.
- Foundations to terminate flush with surrounding ground level.
- Contractor to check for underground services prior to digging.

6. Access Gate

Provide one new double-leaf welded mesh access gate incorporated into 4m fencing with the following minimum requirements:

- Clear opening width: 3,000 mm.
- Overall height: 2,000 mm above finished ground level.
- Configuration: Double-leaf gate.
- Construction: Welded steel frame with matching welded mesh infill panels.
- Finish: Hot-dip galvanised and polyester powder coated to match fencing.
- Colour: RAL 6005 Moss Green.

- Gate posts: Sized in accordance with manufacturer's structural requirements and wind loading calculations.
- Hinges: Heavy-duty adjustable hinges.
- Locking: Sliding latch and padlockable locking arrangement, or approved equivalent.
- Drop bolts: Installed to the inactive leaf.
- Opening: As indicated on drawings or site requirements.
- All gate furniture and fixings to be corrosion resistant and suitable for external use.

7. **Removal of Existing Gate and Fence**

The contractor shall:

- Remove undergrowth as stated in the scope of works
- Carefully remove the existing fence, gate, posts, foundations and associated fittings.
- Break out and remove existing concrete foundations where required.
- Dispose of all arisings off site at a licensed waste facility.
- Make good surrounding surfaces and ground disturbed by the removal works.
- Include all labour, plant, transport and disposal charges.

8. **Finish and Corrosion Protection**

All steel components shall be:

- Hot-dip galvanised to BS EN ISO 1461.
- Polyester powder coated after galvanising.

Minimum coating thickness:

- Galvanising: 85 microns minimum.
- Powder coating: 60 microns minimum.

9. **Fixings**

- Tamper-resistant stainless steel or galvanised fixings.
- All brackets, clips and fasteners to be compatible with the fence manufacturer's system.

- Dissimilar metal corrosion shall be avoided.

10. Installation

Installation shall be carried out in accordance with:

- Manufacturer's recommendations.
- BS 1722 (Fences).
- Relevant health and safety legislation.

The contractor shall:

- Check for underground services.
- Set out the fence and gate accurately.
- Ensure vertical alignment of posts.
- Maintain a consistent fence line and level.
- Install gate posts, hinges and locking mechanisms in accordance with manufacturer requirements.
- Remove surplus excavated material from site.

11. Wind Loading

The fence system, gate, posts and foundations shall be designed to withstand site-specific wind loading in accordance with current UK standards and regulations.

The contractor shall submit structural calculations where required.

12. Completion

Upon completion the contractor shall:

- Check all fixings for tightness.
- Check gate operation and locking mechanisms.
- Remove debris and surplus materials.
- Make good disturbed ground.
- Provide manufacturer's warranty documentation.

13. Measurement

The works shall be measured as:

- 120 linear metres approximately of 4.0 m high welded mesh perimeter fencing complete with posts, foundations, fixings and all associated works.

- One number 3.0 m wide × 2.0 m high double-leaf access gate complete with posts, foundations, hinges, locking mechanisms and all associated works.
- Removal and disposal of the existing gate installation.

14. Basis of Tender

Contractors shall include for:

- Site establishment.
- Setting out.
- Removal and disposal of the undergrowth, existing gate, fence and foundations.
- Excavation.
- Checking for services.
- Concrete foundations.
- Supply and installation of fence system.
- Supply and installation of access gate.
- Corrosion protection.
- Waste disposal.
- Testing and commissioning.
- All labour, plant and materials necessary to complete the works.
- Preparation of RAMS prior to commencement.
- Any on-site welfare facilities.

Tenders to be returned to the Parish Clerk by Friday 31st July at 5pm.

Email:clerk@sheeringparishcouncil.gov.uk