NOTE TO CONSULTANTS: Edit with Track Changes turned on, any text in this section that appears in bold and italics then turn off the bold and italics for the final approved version. (Remove this Note).

PART 1 - GENERAL

1.01 Description:

A. This Section includes all Temporary Fencing Work as indicated in the Contract Documents. Work includes but is not limited to the following:

1. Temporary Security Fencing.
2. Installation, Continuous Maintenance, and final Removal of each element included in this Section.

1.02 Related Sections: In addition to the Sections listed below, all work of the Contract shall be performed in compliance with the requirements of this Section.

Section 01 56 39 - Temporary Tree & Plant Protection
Section 01 57 13 - Construction Stormwater Control
Section 02 41 13 - Selective Site Demolition

1.03 References:

A. City of Seattle Standard Specifications for Road, Bridge, and Municipal Construction (most recent edition).

B. SMC Title 22.800, Stormwater, Grading, & Drainage Control Code, Volume 2 "Construction Stormwater Control Technical Requirements Manual" (most recent edition).

1.04 Submittals:

A. Submit the following product information for approval prior to delivery or installation;

1. Shop drawing of portable temporary fencing panels and connection hardware for approval.

PART 2 - PRODUCTS

2.01 Temporary Chain Link Fencing: Prefabricated portable galvanized chain link fence panels including fabric, posts, top and bottom rails, and driven posts with rolled fabric & wire ties for areas of uneven terrain.

A. Prefabricated portable fence panels shall be a minimum of 6 feet high by maximum 10 feet wide. Post bases shall be minimum 16 inches by 8 inches by 8 inches high

concrete pier with sleeve for post, or as approved. Prefabricated portable temporary fence panels shall be constructed to industry standards for fixed chain link fencing.

1. Posts - minimum 1-1/2" OD Schedule 40 galvanized steel pipe.
2. Fabric - minimum 11 gauge galvanized two-inch diamond mesh steel wire interwoven. Knuckled or twisted selvage is acceptable.

B. Bracing: Provide additional panels or outriggers as necessary to provide a rigid, stable run of fence.

C. Driven Post Fencing:

1. Posts - Schedule 40 galvanized steel pipe.
2. Fabric - minimum 11 gauge galvanized two-inch diamond mesh steel wire interwoven. Knuckled or twisted selvage is acceptable.
3. Wire Ties – minimum 9-gauge aluminum wire.

D. Gates shall be 20 feet wide (two prefabricated panels) with double padlocks to allow Contractor and Owner forces entry. Hinged sides of each operating panel shall include double bracketing. Owner will provide 1 lock keyed for City personnel for each entry. Contractor shall provide a lock keyed for Contractor and Subcontractor for each entry.

E. Signage: Provide warning signage every 50' of running fence line. Signage shall be a minimum of 18" square, brightly colored with contrasting lettering as follows:

WARNING
CONSTRUCTION
KEEP OUT

Or, as approved by the Engineer.

F. Barbed wire will not be allowed.

2.02 Temporary PVC Fencing:

A. 4' wide rolls Orange PVC Web Fencing for low security and approved tree protection applications.

B. 6' lengths of #5 deformed steel reinforcing bar.

C. Safety caps for #5 steel reinforcing bar.

PART 3 - EXECUTION

3.01 Authorization to Commence:

A. The Engineer will issue a formal Notice to Proceed authorizing commencement of the work. No work shall begin until the date specified on this notice.

B. Obtain required permits and permission from local governing authorities and Engineer prior to commencing work.

3.02 Temporary Security Fence: Secure the project site from trespass or unintentional entrance by unauthorized personnel.

A. Temporary chain link fence panels shall be connected mechanically by means of pre-fabricated, bolted bracket manufactured specifically for the purpose. Fencing shall not be wired together. Where long straight runs result in an unstable condition, sufficient out-rigging shall be incorporated to maintain fencing upright. Use only pre-manufactured outriggers or additional fence panels. Out-riggers shall be placed on the interior side of the fence unless approved by the Engineer. Alternatively, and where appropriate, a “zig-zag” arrangement of panels for stability may be used.

B. Uneven Terrain: Where uneven terrain will not allow the use of pre-manufactured portable fence panels, or where otherwise directed by the Engineer, drive posts directly into the earth plumb and 8’ on center along the approved alignment. It is the Contractors responsibility to perform a complete locates for underground utilities in any area to receive driven posts. Drive posts to sufficient depth to assure stability and durability for the life of the installation, maintain a minimum of 6’ above grade. Reset loose posts at the direction of the Engineer. Secure chain link fabric to posts using approved wire ties within 6” of the top and bottom of each post, and a minimum of 18” on center between. Provide posts at each end of each driven post installation at a point that is sufficiently level to clamp prefabricated portable fence panels directly to the driven post installation.

C. Where approved for short-term, low security applications, use 4’ high orange PVC web fencing wired to #5 reinforcing bar “posts” set 5’ on center or as appropriate. Cap each bar with a safety cap manufactured specifically for #5 reinforcing steel.

3.03 Removal: All materials and debris associated with the work of this Section shall be removed at the appropriate time as follows;

A. Following establishment of the work as Substantially Complete and removal by the Contractor of all temporary fencing.

B. All removal shall include complete site restoration as directed by the Engineer.

END OF SECTION