

**Scope of Work for Repair/Reconstruction of sewer manhole
at the US Consulate Office Building
26 Garden Road, Hong Kong
RFQ# HK30013Q0021**

1. Description

- 1.1. The US Government (USG) has requirements for the repair/reconstruction of a sewer drain manhole located on the grounds of the US Consulate General at 26 Garden Road, Hong Kong, China. The USG has identified a blockage in one of the sewer drainage systems due to growth of tree/plant roots. The Contractor will, in accordance with the terms and conditions set forth below, furnish all labor, management, facilities, supplies, equipment and material, and all required services necessary for the below referenced scope of work. During the execution of the work, the Contractor will provide adequate professional supervision and quality control to assure the accuracy, quality, completeness, and progress of the work.

2. Scope of Work

- 2.1. The contractor shall provide qualified labor, transportation, equipment, and materials to locate and identify the specific manhole affected by the blockage.
- 2.2. Site preparation to identify the manhole location.
- 2.3. Erect temporary working platforms with proper safety railing for working on the slope areas.
- 2.4. Trim or cut-down trees that obstruct access for working on the manhole.
- 2.5. Cut down the slope surface plantings and excavate soil as needed and cart away for disposal.
- 2.6. Install temporary struts as needed.
- 2.7. Perform inspection of identified manhole for internal condition.
- 2.8. Repair/reconstruct the concrete base of the manhole including all connected drain connector pipes necessary for water diversion.
- 2.9. Reconstruct the side walls/cover for the manhole to maintain a suitable height level.
- 2.10. Backfill slope with soil for proper protection against slope slip.
- 2.11. Reinststate slope with grass-seeding.
- 2.12. Clean site and cart away all soil and debris for work area.
- 2.13. Pipe relining of existing two-section drain pipe;
 - 2.13.1. Provide labor, tools, materials, and all necessary lining equipment to reline one length of pipe (150 dia x 7.5M long) and a second length of pipe (150 dia x 3.5M long).
 - 2.13.2. Conduct CCTV inspection for the above two sections of drain pipe and provide a written report and two (2) CD's of report.

3. Material Storage and Debris Removal

Material may be stored in a location acceptable to the USG upon request. All storage is for the convenience of the contractor and the responsibility for keeping the material safe and in good condition remains with the contractor. The material shall be placed in such a way as to present no safety hazards to the Consulate or contractors employees. All material shall be removed immediately upon the completion of this project.

4. Warranties and Maintenance

The Contractor shall complete and finish all work to the satisfaction of the USG and shall provide at least a one-year of warranty of the work.

5. Safety Instructions

The Contractor shall closely supervise and promote an accident free working environment. The contractor shall provide suitable safety training to their workers, and shall follow all of the following safety regulations:

- a. H.11.1 DOSAR 652.236-70 – Accident Prevention (Apr 2004)
- b. US Army Corps of Engineers EM 385-1-1
- c. Laws of Hong Kong, Occupational Safety and Health Ordinance Chapter 509
- d. Laws of Hong Kong, Factories and Industrial Undertaking Ordinance, Chapter 59
- e. OSHA

6. Insurance

The contractor shall provide Labor Compensation and Third Party Insurance coverage for the duration of the project.

7. Working Hours

The Contractor is allowed to work from 8:45 a.m. to 5:15 p.m. weekdays, except American and Hong Kong Public Holidays. The contractor shall closely coordinate the work schedule with the US Consulate. The contractor shall provide the US Consulate with a written notice, 5 days in advance of a request to work on Saturdays.

8. Other Requirements

The Contractor shall keep the entire working area clean at all times and well protected from other working areas, and post all necessary warning signs in English and Cantonese. The contractor will be held responsible for any damages to the USG and private property.