

## SCOPE OF WORKS

### STONE MASONRY SERVICES

#### REPAIRS TO COLLAPSED LIMESTONE HA-HA WALL, GATE PILLARS AND CAPPING

##### OVERVIEW

The U.S. Embassy (EMBASSY) Dublin has a requirement for the repair of the historical perimeter boundary Ha-Ha stone Wall, Gate Pillars and Capping at the U.S. Ambassador's Residence Estate, Phoenix Park, Dublin 8. To this end, the Embassy requires quotations for a contractor experienced in the renovation and repair of stone wall at heritage properties to complete the stone masonry repairs associated with this proposed work. There is a high emphasis on conservation with this project.

##### INTENT

Requirements in this Scope of Work (SOW) serve as direction to the Contractor for the historical stone masonry repair and making good all sections of existing Ha-Ha wall affected by the collapsed section of limestone rubble stone wall and adjacent gate pillars and capping at the U.S. Ambassador's Residence. The Contractor shall perform all services in accordance with trade professional standards of skill, care and diligence adhered to by reputable, first class craftsmen firms and shall conform to generally accept professional practices.

##### EXPERIENCE

The contractor should submit a brief list of works and references attesting to his experience in work of a similar nature to that required. Photographs should be included where possible.

##### PROJECT DESCRIPTION

The EMBASSY intends to make repairs to the Ambassador's Residence, Phoenix Park, Dublin 8. The requirements below set forth the basis for the repairs. The repairs shall use only high quality, first class materials and components.

A site visit is scheduled for **Wednesday, February 3, 2016 at 11.00.**

Location: U.S Ambassador's Residence, Phoenix Park, Dublin 8

##### SCOPE OF WORK

***Note: This is an official building of the US Embassy; accordingly, the materials and fittings used should be of a standard consistent with a building of this historic significance and standing and with an emphasis on conservation.***

- The contractor shall ensure that prior to commencing that all precautions are made to make safe working area, including erection of temporary

wire fencing construction barriers on the Public Property of Phoenix Park; authorized access through appropriate authority: Office of Public Works (OPW);

- Dismantle and remove approximately 20 cubic meters of existing collapsed wall which will require rebuilding. The wall is approximately .60 mtr to .90 m thick; effected area 5.0 m X 2.5 m X 1.5 m;
- The Ha-Ha wall section is backfilled with clay and topsoil within the boundary of the Estate: excavation works may be required to expose loose limestone and stone rubble for stabilization and re-building purposes;
- Remove all limestone and stone rubble; to be stored within the work area safely piled for preparation to clean and make ready for re-installation stone masonry works;
- All areas affected of sloped ground at external face of Ha-Ha wall and lawns must be returned to original condition;
- All replacement limestone and lime mortar must closely match and be representative of the materials already present in the existing wall;
- All loose materials off limestone pillars, cut stone capping and Ha-Ha wall finish capping must be removed and replaced in lime mortar to original finish height and detail;
- It is imperative to recycle original stone to ensure as much of the loose stone removed replaces as possible;
- Any limestone recycled for refitting must be brushed and cleaned to matching condition of adjacent wall, pillars and capping finishes;
- All construct debris and spoil must be removed off site; to leave the work areas affected in pristine condition.

## **General**

1. All work is to comply with the local building regulations.
2. The contractor will rectify any damage to all areas on completion of the works.
3. The contractor shall supply all materials and labor in order to complete the works.
4. All waste material is to be taken from site and properly disposed of by the contractor at the end of each work day.
5. Site is to remain tidy at all times and cleaned up on completion of works.
6. The Contractor shall be responsible for all required materials and personnel to manage administer and supervise the project. All work to be carried out in a professional workmanship like manner.
7. All Documentation regarding warranties, insurances, guarantees and instructional literature are to be handed to the Contracting Officer's Representative (COR).

8. Site must be maintained in a safe condition at all times and the work area will remain cordoned off secure after every work day shift.
9. Any variations are to be priced and approved in writing by the COR before proceeding with the work.
10. The Contractor shall be responsible to verify all dimensions and check out the site conditions prior to ordering any materials or proceeding with any of the work.
- 11 Any costs associated with services subcontracted by the Contractor shall be borne by and be the complete responsibility of the Contractor under the fixed price of this contract
12. All materials and equipment in corporate into the project shall be new unless noted otherwise. The Contractor shall transport and safeguard all materials and equipment required for the project
13. The contractor shall be responsible for providing, erecting and disassembling any required scaffolding, bracing or shoring required to complete the project. This should be clearly identified in the bid, safety plan and schedule also.

**NOTE: Any damage caused by the Contractor is to be made good at the Contractor's expense.**

### **CONTRACTOR PROVISIONS**

The Contractor shall supply everything necessary for the execution and completion of the work including, but not limited to; limestone, sand, lime mortar, gravel, backfill materials, mechanical equipment, plant hire, personal protective equipment, electrical leads, waste skips or bins, specialist equipment and labour. Contractor is required to provide written proof of liability insurances before commencement of works.

### **SAFETY**

The contractor shall submit with his proposal a comprehensive Safety Plan or statement in conformance with the latest version of the Health, Safety and Welfare at Work Act. This should be clearly thought out and of sufficient detail to indicate that the contractor is well versed in running safe and professional operations and has adopted a culture of safety as a part of doing business.

### **SCHEDULING**

The contractor shall submit a resource-loaded work schedule clearly showing the proposed order of work and the resources and time associated with such.

### **WORKING HOURS**

Normal working hours at the site are 08.00 to 16.00 Monday through to Friday with the site being closed on local or American holidays. Any necessary work to be carried outside these hours must be required in writing and approved by the COR.

### **SECURITY REQUIREMENTS**

Access to site: All Contractors employee who work on site shall first submit identification information to the COR in order to be placed on the approved Visitors Roster. Details to include full name, date of birth, place of birth and vehicle make, model and registration number.

### **SITE PREPARATION AND CLEANING UP**

The Contractor shall at all times keep the work area free from accumulations of waste materials. Before completing the work, the Contractor shall remove from the work and premises any rubbish, tools, equipment, and materials that are not the property of the Government. Unsightly materials and debris including rags, empty sand/cement bags, garbage, and equipment should be removed as required.

### **CONTACT INFORMATION**

Inquiries can be directed to:

Mary Hyland  
Procurement Agent  
01 2375872  
[HylandMT@state.gov](mailto:HylandMT@state.gov)

Please submit your proposal to Ms. Mary Hyland at the above email address by 3.00 PM on Tuesday, February 9, 2016. In lieu of an email submission, proposals may be submitted by hand or by mail to Ms. Mary Hyland, U.S. Embassy Dublin, 42 Elgin Road, Dublin 4, Ireland as long as it is received by the aforementioned deadline.

## PHOTOGRAPHS OF AFFECTED AREA



The wall section collapsed across an area approximately 5.0 meters wide X 2.5 meter height X 1.5 meters deep (contractor to determine site dimension of affected areas). The affected limestone Gate Pillars and loose cut stone capping is approximately 30 meters from this area. All organic material must be cut back to ensure reinstatement of capping finish all along the top of the Ha Ha wall. It may be advisable to inspect the entire area





The base section of the Ha-Ha wall is within a trench approximately 2.5 meters below grade, accessed of Public Ground of the Phoenix Park. The work area will be deemed as contained on both the Private Property of American Ambassador's Residence and Public Property of Office of Public Works (OPW). The affected section of Gate Pillars and loose cut stone capping is 30 meters from the affected Ha-Ha wall section. There is a lot of overgrowth of ivy and roots exposed off the large specimen trees nearby.

Access to the site at ground level from the Private Property is possible from an asphalt pathway, suitable for heavy equipment and machinery. The access from the OPW Public Property will be more restrictive for heavy equipment and machinery, especially due to soft rain soaked ground conditions. Access will be controlled by US Embassy Security to Private Property areas within the boundary of the estate and approved access to work area on Public Property by authority of OPW.



The section shown through both ends of the collapsed Ha-Ha wall is apparently stone rubble infilled to a cut limestone finish course in lime mortar. There is a lot of intrusive overgrowth of ivy and roots of the nearby trees. This vegetation must be cut back and cleared away prior to stabilization and reconstruction of the cut limestone finish face of the wall. There must be a substantial re-instatement of the loose stone rubble that is apparently containing infill clay and top soils within the boundary of Private Property.