

## 1.1 DESCRIPTION OF WORK

- .1 Site of Work is at: The five buildings are located on Ravenwood Drive, Indigo Crescent and Lily Pond Drive on the Agriculture and Agri-Food Canada Crops and Livestock Research Centre property, Charlottetown, PE. The property is accessible from Mount Edward Road.
- .2 In general, work under this contract includes but is not limited to: Abatement of Hazardous Material (see Appendices A1, A2, A3, A4 and A5), removal and disposal of Buildings 7, 10, 14, 17, and 18, removal and disposal of various asphalt and concrete surfaces, placement of topsoil and seeding.
- .3 Removal and disposal of lead-contaminated soil from the perimeter of the buildings where samples exceed the Canadian Council of Ministers of the Environment Commercial Soil Quality Guidelines.
- .4 Remove and dispose of foundations down to 300 mm below finished grade except for locations where the foundations may need to be removed in order to remove materials (such as the foundations or floor slabs) contaminated with hazardous materials or to expose underlying soil for testing.
- .5 Remove and dispose of basement floor slabs in Buildings 10 and 18 to permit testing of the underlying soil for petroleum contamination. Backfilling can not take place until after test results are received and contaminated soils are removed (if required).
- .6 Remove and dispose of air conditioning unit from Building 17. Ozone depleting substances are to be removed and disposed of as per the Federal Halocarbon Regulations. Complete and submit the Halocarbon form in Appendix A4.
- .7 Decommission and cap water and sewer services in the buildings in accordance with the Plumbing Code of Canada.
- .8 Backfill excavations, using new clean fill if required. Final grade to match the surrounding landscape.

## 1.2 Related Section

- .1 01 35 44 Environmental Procedures

## 1.3 FAMILIARIZATION

- .1 Before submitting a bid, it is recommended that bidders

#### WITH SITE

visit the site to review and verify the form, nature and extent of the work, materials needed, the means of access and the temporary facilities required to perform the Work. Bidders must inspect the buildings for structural stability and develop safe working procedures to conduct the work and bid accordingly.

- .2 Obtain prior permission from the Departmental Representative before carrying out such site inspection.

#### 1.4 CODES AND STANDARDS

- .1 Perform work in accordance with the 2010 National Building Code of Canada and any other code of provincial or local application, including all amendments up to bid closing date, provided that in any case of conflict or discrepancy, the more stringent requirement shall apply.
- .2 Materials and workmanship must meet or exceed requirements of specified standards, codes and referenced documents.

#### 1.5 INTERPRETATION OF DOCUMENTS

- .1 Supplementary to the Order of Precedence article of the General Conditions of the Contract, the Division 01 sections take precedence over the technical specification sections in other Divisions of the Specification Manual.

#### 1.6 TERM ENGINEER

- .1 Unless specifically stated otherwise, the term Engineer where used in the Specifications and on the Drawings shall mean the Departmental Representative as defined in the General Conditions of the Contract.

#### 1.7 SETTING OUT WORK

- .1 Departmental Representative will set stakes to define location, alignment and elevations of work. Give Departmental Representative reasonable notice of construction layout requirements.
- .2 Departmental Representative will provide only those survey control points and set such stakes as necessary to define general location, alignment and elevations of work. Give Departmental Representative reasonable notice of requirements for such control points and stakes.
- .3 Set grades and lay out work in detail from control

points and grades established by Departmental Representative.

- .4 Assume full responsibility for and execute complete layout of work to locations, lines and elevations indicated.
- .5 Provide devices needed to lay out and construct work.
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- .6 Supply stakes and other survey markers required for laying out work.

#### 1.8 COST BREAKDOWN

- .1 Before submitting first progress claim submit breakdown of Contract price in detail as directed by Departmental Representative and aggregating contract price. Required forms will be provided for application of progress payment.
- .2 List items of work numerically following the same division/section number system of the specification manual and thereafter sub-divide into major work components and building systems as directed by Departmental Representative.
- .3 Upon approval, cost breakdown will be used as basis for progress payment.

#### 1.9 MEASUREMENT FOR PAYMENT

- .1 Notify Departmental Representative sufficiently in advance of operations to permit required measurements for payment.
- .2 All work in this contract shall be included in the lump sum bid price.

#### 1.10 DOCUMENTS REQUIRED

- .1 Maintain at job site, one copy each of the following:
  - .1 Contract Drawings
  - .2 Specifications
  - .3 Addenda
  - .4 Change Orders
  - .5 Other modifications to Contract
  - .6 Field Test Reports
  - .7 Copy of Approved Work Schedule
  - .8 Health and Safety Plan and other safety related documents
  - .9 Other documents as stipulated elsewhere in the

Contract Documents.

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| <u>1.11 PERMITS</u>  | .1 | In accordance with the the General Conditions, obtain and pay for building permit, certificates, licenses and other permits as required by municipal, provincial and federal authorities.  |
|  | .2 | Provide appropriate notifications of project to municipal and provincial inspection authorities.   |
|  | .3 | Obtain compliance certificates as prescribed by legislative and regulatory provisions of municipal, provincial and federal authorities as applicable to the performance of work.   |
|  | .4 | Submit to Departmental Representative, copy of application forms and approval documents received from above referenced authorities.  |
| <u>1.12 ALTERATIONS,<br/>ADDITIONS OR<br/>REPAIRS TO EXISTING<br/>BUILDING</u> | .1 | Execute work with least possible interference or disturbance to building operations occupants, public and normal use of premises. Arrange with Departmental Representative to facilitate execution of work.  |
|  | .2 | Where security has been reduced by work of Contract, provide temporary means to maintain security.   |
|  | .3 | Provide temporary dust screens, barriers, warning signs in locations where renovation and alteration work is adjacent to areas which will be operative during such work.   |
| <u>1.13 EXISTING<br/>SERVICES</u>  | .1 | Where work involves breaking into or connecting to existing services, carry out work at times directed by governing authorities, with minimum of disturbance to pedestrian, vehicular traffic,tenant operations.   |
|  | .2 | Before commencing work, establish location and extent of service lines in area of work and notify Departmental Representative of findings.   |
|  | .3 | Submit schedule to and obtain approval from Departmental Representative for any shut-down or closure of active service or facility. This includes disconnection of electrical power and communication services to tenant's operational areas. Adhere to approved schedule and provide notice to affected |

parties.

- .4 Provide temporary services when directed by Departmental Representative to maintain critical building and tenant systems.
- .5 Provide adequate bridging over trenches which cross sidewalks or roads to permit normal traffic.
- .6 Where unknown services are encountered, immediately advise Departmental Representative and confirm findings in writing.
- .7 Protect, relocate or maintain existing active services as required. When inactive services are encountered, cap off in manner approved by authorities having jurisdiction over service. Record locations of maintained, re-routed and abandoned service lines.

1.14 BUILDING  
SMOKING  
ENVIRONMENT

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- .1 Comply with smoking restrictions.