

Part 1 General

1.1 RELATED SECTIONS

- .1 Section 01 35 12 – Special Project Procedures for Correctional Service Canada Security Requirements.

1.2 REFERENCES

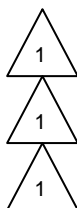
- .1 Canadian Environmental Protection Act.
 - .1 SOR-2008, Storage Tank Systems for Petroleum Products and Allied Petroleum Products Regulations (2008);
 - .2 CCME PN 1327-2008, Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products.
- .2 Canadian Standard Association (CSA International).
 - .1 CSA-B139-09, Installation Code for Oil-Burning Equipment.
- .3 Health Canada, Workplace Hazardous Materials Information Systems.
 - .1 Material Safety Data Sheets (MSDSs).
- .4 National Fire Code of Canada (2010).
- .5 National Building Code of Canada (2010).
- .6 Loi sur le bâtiment.
 - .1 Construction Code (2007).

1.3 DESCRIPTION OF WORK

- .1 The project includes the following work. The list below is not necessarily exhaustive and in no way releases the Contractor from the obligation of carrying out the project in its entirety according to generally accepted practices as well as the intentions and general principles as described in these specifications and drawings.

- .2 Distribution station

- .1 Replace two collection wells;
- .2 Replace concrete slabs above both reservoirs with new ones.
- .3 Replace diesel tank interstitial sensor with identical new sensor and compatible with Veeder-Root.
- .4 Balance brine level in both tanks.
- .5 Replace lamp in overfill exterior alarm.





.6 Put up bilingual identification of overfill exterior alarm.



.7 Replace dispensers top facing with Gasboy original parts.



.8 Scrape islands coating and repaint them with a new black corrosion resistant coating.



.9 Scrape bollards coating and repaint them with a new yellow safety corrosion resistant coating. Put on each of them two new reflective tapes.



.10 Redo all underground electrical wiring and conduits between distribution station and garage.

.3 Thermal Power Plant

- .1 Remove the slab above the access well for the underground reservoir;
- .2 Remove the polyethylene underground pipes from within the tertiary conduits; Place new double walled, polyethylene, supply and return pipes in the tertiary conduits;
- .3 Install a new transition box where the new underground piping will connect with new aboveground steel piping;
- .4 Install new aboveground pipes on the ground floor between the pump assembly and the new transition box;
- .5 Replace the valves on the indoor pump assembly;
- .6 Repair the flowmeter inside;
- .7 Remake the collection wells of the underground reservoir;
- .8 Remake the slabs for the service box level;
- .9 Add a detection probe in the new transition box;
- .10 Paint all the new and existing indoor piping and properly identify each pipe.

1.4 SITE INSPECTION BY BIDDERS

- .1 For security reasons at the penitentiary, the site inspection shall be conducted at a set time that will be specified in the tender documents. The meeting place will be the main entrance of the institution concerned.
- .2 The Contractor shall examine the site and conditions that could have an impact on the work prior to submitting his proposal. Submitting a bid indicates that the bidder accepts the terms and conditions of the solicitation and agrees to be bound by them.

1.5 SECURITY SCREENING

- .1 All workers shall undergo security screening in order to be granted a security classification as required by the Correctional Service of Canada and Public Works and Government Services Canada.
- .2 Section 01 35 13 provides a detailed description of the procedures involved in the security screening.

- .3 At the start of work, a job-site special meeting will be held with institution representatives to define the instructions governing security and site operation in a correctional environment.

1.6 CODES

- .1 The specifications will require that the work and materials comply with the National Building Code of Canada (NBC) and all other applicable provincial or local codes. The strictest requirements shall apply in case of contradiction or discrepancy.
- .2 The work shall be performed in a manner that meets or exceeds the following requirements:
 - .1 Contract documents;
 - .2 Specified standards and codes as well as other documents cited as references.

1.7 REQUIRED DOCUMENTS

- .1 A copy of the following documents shall be kept at the job site:
 - .1 Contract drawings;
Specifications;
 - .2 Amendments;
 - .3 Amended shop drawings;
 - .4 Modification orders;
 - .5 Other contract amendments;
 - .6 On-site test reports;
 - .7 Approved work schedule;
 - .8 Manufacturer installation and start-up instructions.

1.8 WORK SCHEDULE

- .1 The successful bidder shall initiate work immediately upon receiving notice that the contract has been awarded. The work covered by this document, including measures to correct construction deficiencies, must be completed within the schedule specified herein.
- .2 Within 10 business days of contract award, submit a work schedule for the various project phases and the completion date, which must be within 5 weeks of contract award.
- .3 Within 10 business days of contract award, submit shop drawings, technical data sheets, samples, and security screening applications for approval.
- .4 The work sequence is as follows:
 - .1 Start-up meeting and schedule submission, shop drawings, technical data sheets, samples, and security screening applications for approval;
 - .2 Approval of documents submitted;
 - .3 Construction start-up;
 - .4 End of Work;

- .5 Submission of operating and maintenance manuals for approval.
- .5 Provisional acceptance:
 - .1 Training of maintenance and operating personnel;
 - .2 Correction of deficiencies;
Final approval.
- .6 Within ten 10 business days of contract award, the Contractor shall provide, in a format acceptable to the Project Manager, a work schedule indicating:
 - .1 Contract award;
 - .2 Shop drawings, lists of materials, and samples;
 - .3 Mobilization;
 - .4 Excavation;
 - .5 Filling;
 - .6 Pipes, pumps and reservoirs;
 - .7 Commissioning tests;
 - .8 Late delivery materials;
 - .9 Delivery dates;
 - .10 Training.
- .7 Update the work calendar once per week, that reflects and changes in activities, the work achieved and the work currently in progress.

1.9 CONTRACTORS USE OF THE SITE

- .1 The institution must remain fully operational during construction. With this end in view, the CSC Project Manager or the institution's head of security can require the Contractor to halt work immediately on a temporary basis to prevent institution activities from being compromised.
- .2 Use of premises; limited access to the job site. Work and affected engineering structures outside the construction site must be carried out by a crew accompanied by an escort provided by CSC (see section 01 35 13).
- .3 The Contractor shall perform the work so as to disturb the occupants as little as possible and, to the degree possible, ensure that normal use can be made of the facilities. The Contractor shall also cooperate with the CSC Project Manager to facilitate performance of the work.
- .4 Existing services in the buildings must be maintained during the project.
- .5 No vehicle or mobile construction equipment shall remain on institution premises outside of working hours. All construction vehicles must be parked in the lot in front of the postern (main entrance). Refer to section 01 35 13.
- .6 NOISY ENVIRONMENT AND CELLPHONE USE

- .7 No radios or "boom boxes" shall be tolerated at the job site (see section 01 35 13).

Cell telephones are prohibited within the perimeter of the penitentiary (see section 01 35 13).

1.10 JOB SITE MEETINGS

- .1 Job-site meetings shall be held at times and places subject to the approval of the CSC Project Manager.
- .2 All participants shall be informed of meetings being called.
- .3 The Engineer shall organize job-site meetings, set their dates and times, and ensure that minutes are drafted and distributed.

1.11 LOCATION OF EQUIPMENT AND VARIOUS PIECES OF EQUIPMENT

- .1 The location of various devices and pieces of equipment as well as the electrical outlets indicated on the drawings and in the specifications must be considered approximate.
- .2 The Contractor shall install equipment and devices as well as distribution networks so as to limit hindrances and keep the largest amount of useful space possible while complying with manufacturer recommendations related to safety, access, and maintenance.
- .3 The Contractor shall inform the Project Manager of the installation date and request approval for the designated location.
- .4 When so requested by the Project Manager, the Contractor shall provide location plans indicating the relative positions of equipment and networks.

1.12 DRILLING AND SEALING

- .1 The Engineer's approval shall be obtained before cutting or drilling in bearing members or inserting sleeves.
- .2 Drilling and sealing shall be performed so as to ensure that connections are exact and with no play.
- .3 Holes and openings must be clean, straight, and smooth.
- .4 When the addition of a new structure requires modifications to an existing one, all required drilling, sealing, and other repairs shall be carried out to restore the existing structure to its condition prior to the work.

1.13 EXISTING SYSTEMS

- .1 When connections must be made to existing systems, the work shall be carried out at times determined by local authorities and performed so as to minimize disruption of pedestrian and vehicular traffic.

A work schedule shall be submitted to the CSC Project Manager for approval at least 48 hours prior to any existing services or system being interrupted. The approved schedule shall be followed; the individuals affected shall be informed beforehand.

- .2 Should installations be discovered during the course of work, the Engineer shall be immediately informed and a written report containing the observations provided to him.
- .3 All conduits for disused services within a radius of 2 m from any structure shall be removed. Conduits that have been cut shall be capped or otherwise plugged, as directed by the Engineer.
- .4 There shall be a record of the location of conduits that have been maintained in service, deviated, or abandoned.

1.14 MODIFICATIONS, ADDITIONS, OR RENOVATION OF EXISTING BUILDINGS

- .1 The Contractor shall perform the work so as to disturb the occupants as little as possible and, to the degree possible, ensure that normal use can be made of the facilities. The Contractor shall also cooperate with the CSC Project Manager to facilitate performance of the work.
- .2 At no time shall the safety measures be relaxed because of the work to be carried out under this contract. The Contractor shall take the steps required to ensure the level of safety required.
- .3 The Contractor shall use only those elevators, freight elevators, conveyors, and escalators reserved for his or her use to move materials and personnel. Before the Contractor uses an elevator, the cabin walls shall be protected as directed by the Engineer. The Contractor accepts liability for any damage to such devices, for their safe and proper use, and for any overloading of the existing equipment.
- .4 When work is to be carried out in occupied spaces, the Contractor shall provide and install whatever is required to protect the furnishings, equipment, and finish work; install dust barriers, partitions, and temporary notices; and clean the area at the end of each work day.

1.15 SUPPLEMENTAL DRAWINGS

- .1 The Engineer may provide supplemental drawings for clarification. Such supplemental drawings shall be considered to have the same meaning and scope as the contract documents.

1.16 REMAINS AND ANTIQUES

- .1 Remains, antiques, and other items of historical or scientific interest, such as cornerstones and their contents, commemorative plaques, and other objects bearing inscriptions discovered during the project.

The CSC Project Manager shall be informed immediately; authorization in writing is required before work can be resumed.

- .2 Remains, antiques, and other items of historical or scientific interest are the property of the Crown.

1.17 RESTRICTIONS RELATED TO TOBACCO USE

- .1 Restrictions regarding the use of tobacco inside buildings shall be complied with.

1.18 PERSONNEL TRAINING

- .1 The Contractor shall provide 2 periods of training.

1.19 OPERATING MANUAL

- .1 The Contractor shall submit, for approval, three (3) copies of an operating manual containing the following items:
 - .1 Table of contents;
 - .2 List of suppliers and their contact information;
 - .3 Warranties;
 - .4 Approved shop drawings;
 - .5 Operating and maintenance guides;
 - .6 As-built drawings

END OF SECTION