

1. PERMITS/INSPECTIONS

- .1 The Contractor shall obtain and pay for all permits, licences, certificates and governmental inspections required for the performance of the Work.
- .2 Give all required notices and comply with all local, provincial and federal laws, ordinances, rules, regulations, codes and orders relating to the Work, which are or become in force during the performance of the Work.
- .3 The Contractor shall make application, obtain and pay for all development permits required by the Rural Municipality of Springfield, and shall make application, obtain and pay for the building permit from the Office of the Fire Commissioner.

2. APPLICABLE CODES/STANDARDS

- .1 The applicable codes/standards for the performance of Work are generally indicated in this Specification.
- .2 Where specified codes/standards are not dated, conform to latest issue of specified codes/standards as amended and revised to the Tender closing date.
- .3 Confine apparatus, the storage of Products and the operations of workers to limits indicated by laws, ordinances, and permits and by directions of the Contract Administrator. Do not unreasonably encumber the premises with products.
- .4 In the event of discrepancies between codes, standards, and other provisions, the most stringent shall apply.

3. SAFETY

3.1 General

- .1 The Contractor shall indemnify the City for any and all additional costs, claims, damages, including claims made by Third Parties, incurred or suffered by the City arising from the breach of Section 3 hereof by the Contractor.
- .2 In case of an emergency the Contractor shall immediately contact the McPhillips Control Center (204-986-4781).
- .3 Observe and enforce all construction safety measures required by code, Workers' Compensation Board, Manitoba Workplace, Health and Safety and all applicable statutes. Appoint a suitably qualified employee who has sole responsibility on-site on behalf of the Contractor, for compliance with the requirements and so advise the City in writing with copy to the Contract Administrator. The Contractor shall follow safe working practices.
- .4 In the event of discrepancy between such provisions, the most stringent provision shall apply.

- .5 Employ a qualified Engineer, registered in the Province of Manitoba, for the design of all shoring and falsework for the temporary supports of all structural elements.
- .6 Employ employees, agents and subcontractors who are properly qualified and skilled to do the Work.
- .7 Provide ongoing training in safe working practices and safety manuals for its employees, agents and subcontractors.
- .8 Use safe tools and equipment.
- .9 Obtain all permits, licenses and clearances.
 - .1 Establish compliance procedures and take all other necessary measures to protect the safety of works and all other persons who may be in the vicinity of the work site.
- .10 Hard hats and safety boots are mandatory requirements for all workers while on site. Make available four (4) "Visitor safety helmets" for authorized visitors.
- .11 "NO SMOKING" regulations are in effect in all areas of the Work, ensure that all workers comply with the regulations.
- .12 Ensure that all workers comply with the City's safety regulations where such regulations are in effect.
- .13 Do not load or permit to be loaded any part of the Work with a weight, load or force that will exceed the design load and/or endanger its safety.

3.2 Safety Measures and Services

- .1 The Contractor shall be responsible for the safety of all his employees and other persons entering the Site and shall take all measures necessary to ensure their safety. In particular such measures shall include but shall not be limited to the following:
 - .1 Observation and provision of proper safety and emergency regulations, fire, gas and electric shock precautions, stretchers and a first aid box generally for each place of working.
 - .2 Safe storage, handling and use of explosives, gases, fuels, and other dangerous goods.
 - .3 Provision of approved safety helmets for all personnel including authorized visitors to the Site.
 - .4 Control of water, including the provision of standby pumping and generating plant where necessary.
 - .5 Provision of lighting to provide adequate illumination of Work, including spares and standby equipment.

- .6 Provision and maintenance of safe, sound mechanical cranes, hoists and conveying facilities for the transport of materials and personnel, each item of plant having an up to date test certificate. All cranes, hoists and the like shall be fitted with audible overload warning devices.
 - .7 Provision and maintenance of safe, sound ropes, slings, blocks and other lifting tackle, each appliance having an up to date test certificate.
 - .8 Provision of competent operators for control of all lifting and hoisting equipment, with operating personnel.
 - .9 Provision and maintenance of all temporary electrical installations.
 - .10 The Contractor shall provide and securely fix into position temporary timber covers not less than 50 mm thick to all openings in floors and roofs.
 - .11 Provision and maintenance of all welding equipment and concrete cutting/coring equipment.
 - .12 All equipment to be used by qualified, trained personnel.
 - .13 Provision of adequate ventilation and testing of air quality prior to and while working in all indoor or enclosed locations. Equipment for continuous monitoring of gases must be explosion-proof and equipped with a visible and audible alarm. The conditions that must be monitored include oxygen deficiency, explosive and toxic gases. The ventilation equipment must work continuously.
- 2 The Contractor shall allow the City timely and complete access to the Contractor's records and documentation, to allow the City to confirm the Contractor's ongoing compliance with the safety requirements in the Specification. At all times, the Contractor shall, at the City's request, provide copies of documentation related to safety at no extra cost to the City, including without limitation, copies of:
 - .1 Resumes, licenses, certification papers, and like documentation for employees of the Contractor, its agents and subcontractors engaged in the Work.
 - .2 Specifications, permits, test results and licenses, for all equipment to be used in the Work.
 - .3 All other permits and licenses for the Work.
 - 3 At all times, the City may inspect and test the equipment to be used in the Work.
 - 4 The Contractor shall maintain a Workplace Hazardous Materials Information System (WHMIS) file for all hazardous materials used at each work site. Prior to commencement of the Work, the Contractor shall submit Material Safety Data Sheets (MSDS) to the City for all hazardous materials at work site. Material brought to a work site without prior submission of a MSDS shall not be used in the Work.

- .5 The Contractor shall comply with the requirements of the Manitoba Labour Guidelines for Confined Entry Work, and the Manitoba Labour Fall Protection Guideline.
- .6 If deemed necessary, the Contractor may be required to submit a Safety Mitigation Plan for approval by the City.
- .7 The existing facility employs the use of various chemicals as part of the overall water treatment process. The Contract Administrator will conduct safety orientation related to these issues. As a result, certain areas of the site are restricted from Contractor access. These restricted areas are identified on the site plan.
- .8 The existing facility is susceptible to flooding due to its location below grade and the hydraulic gradeline governed by the Deacon reservoirs. All work within the facility must be completed with utmost care and attention to prevent Station flooding. The existing sump in the Station has a limited pump capacity. The Contractor shall familiarize himself with the capacity of these pumps.

3.3 Noise Control on Site

- .1 All plant and equipment supplied by the Contractor for use on the Work shall be effectively "sound-reduced" by means of silencers, mufflers, acoustic linings or shields or acoustic sheds or screens to a level of 85 decibels (dBA) measured outside the nearest occupied property or to the satisfaction of the Contract Administrator.
- .2 Provided that the provisions of this clause shall not be applicable in the case of emergency work necessary for the saving of life, property or for the safety of the Work.

4. CLEANING OF STREETS

- .1 Conform to local ordinances and by-laws relating to littering of streets.
- .2 Take precautions to prevent depositing mud or debris on public or private roadways adjacent to the Work. Clean up immediately, otherwise the Contract Administrator will direct necessary cleanup with all costs back charged to the Contractor.

5. WORKING LIMITS

- .1 Confine all operations within the City's property limits within the fenced compound and away from restricted access zones as identified on the site plan.

6. EXISTING UTILITIES

- .1 Conform to Provincial and municipal regulations during construction in proximity to utility structures.
- .2 Notify appropriate utility companies and municipal departments a minimum one week in advance of commencing such work.

- .3 Make arrangements with utility companies and municipal department for protection of pipelines, conduits, drainlines, wiring and other structures, whether underground, on the surface or overhead, and satisfy the company or department that the methods or operations are effective.
- .4 Indemnify and save harmless the City from any loss or damage which may be resulted from the damage of these existing utilities by reason of the operations of the Contractor.

END OF SECTION