

## **Part 1        General**

### **1.1        REFERENCES**

- .1    Health Canada's Workplace Hazardous Materials Information System (WHMIS)
  - .1        Material Safety Data Sheets (MSDS).
- .2    Province of Ontario
  - .1        Occupational Health and Safety Act Revised Statutes of Ontario 1990, Chapter O.1 as amended, and Regulations for Construction Projects, O.Reg. 213/99 as amended.
  - .2        Workplace Safety and Insurance Act, 1997, as amended.
- .3    Federal Government
  - .1        National Building Code of Canada 2010 (NBC);
  - .2        National Fire Code of Canada 2010 (NFC);

### **1.2        GENERAL REQUIREMENTS**

- .1    Comply with the Ontario Occupational Health and Safety Act and Regulations.
- .2    For the purpose of the Occupational Health and Safety Act, the Contractor shall be designated as the Constructor and assumes the responsibilities of the Constructor as set out in the Act and its regulations.
- .3    Be responsible for health and safety of persons on site, safety of property on site and for protection of persons adjacent to the site and the environment to the extent that they may be affected by the work.
- .4    Develop a written site-specific Health and Safety Plan based on hazard assessment prior to commencing any site work and continue to implement, maintain, and enforce plan until final demobilization from site.
- .5    Do not use materials that are toxic in the installed condition. Do not use volatile organic compounds (VOCs) where not permitted by law. Where the use of volatile organic compounds is permitted, provide adequate ventilation and take necessary precautions.

### **1.3        SUBMITTALS**

- .1    Submit a site-specific Health and Safety Plan within 5 days of the order to commence work and prior to commencement of work on site. Health and Safety Plan must include:
  - .1        Site-specific safety hazard assessment and measures to be taken to address the anticipated hazards.
  - .2        Contractor/sub-contractor safety communication measures.
  - .3        Emergency response measures describing procedures to be followed during emergency situations including evacuating personnel from the site.
  - .4        On-site Contingency and Emergency Response Plan to address standard operating procedures to be implemented during emergency situations.
  - .5        Contractor's Health and Safety Policy.
  - .6        Name of Company's Health and Safety Coordinator
  - .7        Contractor's project specific Health and Safety Plan.

- .8 Detailed Roles and Responsibilities of assigned individuals.
- .9 List of all Sub Contractors.
- .10 Copy of all training certificates.
- .11 List of emergency phone numbers, personnel and written procedures.
- .2 The Departmental Representative shall review the Health and Safety Plan and provide comments to the Contractor within 3 working days after receipt of the plan. Revise and resubmit plan until mutual agreement is reached. This review of the Health and Safety plan should not be construed as approval and does not reduce the Contractor's overall responsibility for construction health and safety.
- .3 Submit records of Contractor health and safety meetings when requested.
- .4 Submit copies of Contractor's authorized representative's work site health and safety inspection reports upon request.
- .5 Submit copies of reports or directions issued by municipal and provincial safety inspectors.
- .6 Submit copies of incident and accident reports.
- .7 Submit Material Safety Data Sheets (MSDS) for products to be used on site.
- .8 Where prescribed by legislation, regulation or safety program, submit certification of medical surveillance for site personnel prior to commencement of work, and submit additional certification for any new site personnel.

#### **1.4 FILING OF NOTICE**

- .1 File Notice of Project with provincial authorities prior to beginning of work

#### **1.5 SITE CONDITIONS**

- .1 Known and obvious hazards include but are not limited to:
  - .1 Operating vehicles on pathways shared with the public.
  - .2 Falling hazards.
  - .3 Steep slopes, sliding and tripping hazards.
  - .4 Potentially unstable existing stone walls and embankments.
  - .5 Insects, vermin, bird droppings.
  - .6 Potential plant/shrub hazards (i.e. poison ivy).
  - .7 Contact with silica in cementitious materials.
  - .8 Operating equipment, vibration and noise.
  - .9 Low and/or high temperatures.
- .2 Should any unforeseen or peculiar safety-related factor, hazard, or condition become evident during performance of work, immediately stop work and advise the Departmental Representative verbally and in writing.

#### **1.6 HEALTH AND SAFETY COORDINATOR**

- .1 Have safety-related work experience on similar types of projects.
- .2 Have working knowledge of occupational health and safety regulations.

- .3 Be responsible for completing Contractor's health and safety training sessions and ensuring that personnel not successfully completing required training are not permitted to enter site.
- .4 Be responsible for implementing, enforcing and monitoring Contractor Health and Safety Plan.

## **1.7 RESPONSIBILITY**

- .1 Be responsible and assume the role of "Constructor" as described in the Ontario Occupational Health & Safety Act and Regulations for Construction Projects.
- .2 Comply with and enforce compliance by employees with the safety requirements of the Contract Documents, applicable provincial, and local statutes, regulations, and ordinances, and with the site-specific Health and Safety Plan.

## **1.8 POSTING OF DOCUMENTS**

- .1 Ensure applicable items, articles, notices and orders are posted in conspicuous locations on site.
- .2 Provide documents as follows and post on site:
  - .1 Contractor company name.
  - .2 Name, trade and employer of Health and Safety Coordinator.
  - .3 Contractor's Health and Safety Policy.
  - .4 Health and Safety Plan, including emergency response measures.
  - .5 Notice of Project.
  - .6 Ministry of Labour Orders and reports.
  - .7 Occupational Health and Safety Act and Regulations for Construction Projects for Province of Ontario.
  - .8 Material Safety Data Sheets.
  - .9 Copy of valid certificates for first-aid personnel on duty.
  - .10 WSIB "In Case of Injury" brochure.
  - .11 Location of toilet and clean-up facilities.
  - .12 Any special handling or procedures specific to the site.
- .3 Comply with provincial general posting requirements.

## **1.9 COMPLIANCE REQUIREMENTS**

- .1 Occupational Health and Safety Act and Regulations for Construction Projects, R.S.O. 1990, c. 0.1, as amended and O. Reg. 213/91, as amended, current edition.

## **1.10 CORRECTION AND NON-COMPLIANCE**

- .1 Immediately address health and safety non-compliance issues identified by authorities having jurisdiction or by the Departmental Representative.
- .2 Provide written report of action taken to correct non-compliance of health and safety issues identified.
- .3 The Departmental Representative may stop work if there is a perceived non-compliance of health and safety regulations or a potential issue is perceived to have not been immediately corrected. There shall not be any delay claims in this case.

### **1.11 FALL ARREST SYSTEMS**

- .1 Fall arrest systems in accordance with the Occupational Health and Safety Act shall be used by all personnel when a risk of falling exists.
- .2 The rock scaling work shall require workers to be suspended on vertical or near-vertical rock faces near the top of the slope. The safety lifelines for this work shall not be attached to the existing fence or other existing built features along the top of the slope. The lifelines shall be secured to anchor points designated by the Contractor at the top of the slope as follows:
  - .1 Assume responsibilities for establishing appropriate anchor points for fall arrest or rope access in accordance with Ontario Occupational Health & Safety Act and Regulations requirements. If engineered anchors are required:
    - .1 Anchors shall be designed, placed and removed by the Contractor.
  - .2 Submit design drawings for the anchors approved by an Engineer licensed in the Province of Ontario, in accordance with Section 01 33 00– Submittals.
  - .3 Concrete anchor blocks placed at the crest may be used for anchorage.
  - .4 They shall be enclosed with temporary pedestrian barriers and monitored by full time attendant(s) when workers are suspended on the slope from the anchor blocks.
  - .5 Placement and removal of anchors and operation of safety lines shall not cause significant damage to the vegetation near the top of the slope.

### **1.12 POWDER ACTUATED DEVICES**

- .1 Use powder-actuated devices only after submittal of full justification for the requirement of their use and receipt of written permission from the Departmental Representative.

### **1.13 WORK STOPPAGE**

- .1 Give precedence to safety and health of public and site personnel and protection of environment over cost and schedule considerations for work.
- .2 Assign responsibility and obligation to Health and Safety Coordinator to stop or start work when, at Health and Safety Coordinator's discretion, it is necessary or advisable for reasons of health or safety.

### **1.14 HAZARDOUS MATERIALS**

- .1 Comply with the requirements of the Workplace Hazardous Materials Information System (WHMIS) regarding use, handling, storage, and disposal of hazardous materials; and regarding labelling and the provision of Material Safety Data Sheets (MSDS).
- .2 Comply with Ontario Ministry of the Environment legislation and regulations regarding disposal of hazardous materials.

## **Part 2 Products**

### **2.1 NOT APPLICABLE**

- .1 Not used.

**Part 3            Execution**

**3.1                NOT USED**

.1            Not Used.

**END OF SECTION**