

**Part 1 General**

**1.1 RELATED REQUIREMENTS**

- .1 Section 01 01 00 – General Instruction
- .2 Section 26 05 00 – Common work Results – Electrical
- .3 Section 01 14 25.01 – Designated Substances Report
- .4 Section 01 14 25.02 – Designated Substances Report

**1.2 REFERENCES**

- .1 Province of Ontario
  - .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.
  - .2 Occupational Health and Safety Act, Health Care and Residential Facilities Regulation, O. Reg., Confined Spaces.
  - .3 Canada Labour Code, Canada Occupational Safety and Health Regulations, Part XI - Confined Spaces.

**1.3 ACTION AND INFORMATIONAL SUBMITTALS**

- .1 Make submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Submit site-specific Health and Safety Plan: Within 7 days after date of Notice to Proceed and prior to commencement of Work. Health and Safety Plan must include:
  - .1 Results of site specific safety hazard assessment.
  - .2 Results of safety and health risk or hazard analysis for site tasks and operation found in work plan.
- .3 Submit necessary copies of Contractor's authorized representative's work site health and safety inspection reports to Departmental Representative.
- .4 Submit copies of reports or directions issued by Federal, Provincial and Territorial health and safety inspectors.
- .5 Submit copies of incident and accident reports.
- .6 Departmental Representative will review Contractor's site-specific Health and Safety Plan and provide comments to Contractor.
- .7 Departmental Representative's review of Contractor's final Health and Safety plan should not be construed as approval and does not reduce the Contractor's overall responsibility for construction Health and Safety.
- .8 Medical Surveillance: where prescribed by legislation, regulation or safety program, submit certification of medical surveillance for site personnel prior to commencement of Work, and submit additional certifications for any new site personnel to Departmental Representative.
- .9 On-site Contingency and Emergency Response Plan: address standard operating procedures to be implemented during emergency situations.

- .10 Submit confined space entry procedures for working in maintenance holes.

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

- .1 File Notice of Project with Provincial authorities prior to beginning of Work.

#### **1.5 SAFETY ASSESSMENT**

- .1 Perform site specific safety hazard assessment related to project.

#### **1.6 MEETINGS**

- .1 Schedule and administer Health and Safety meeting with Departmental Representative prior to commencement of Work.

#### **1.7 REGULATORY REQUIREMENTS**

- .1 Do Work in accordance with Section 01 01 00 - General Instructions. Comply with specified standards and regulations to ensure safe operations at site containing hazardous or toxic materials. Refer to Sections 01 14 25.01 and 01 14 15.02 - Designated Substance Reports.

#### **1.8 GENERAL REQUIREMENTS**

- .1 Develop written site-specific Health and Safety Plan based on hazard assessment prior to beginning site Work and continue to implement, maintain, and enforce plan until final demobilization from site. Health and Safety Plan must address project specifications.
- .2 Departmental Representative may respond in writing, where deficiencies or concerns are noted and may request re-submission with correction of deficiencies or concerns.

#### **1.9 RESPONSIBILITY**

- .1 Be responsible for health and safety of persons on site, safety of property on site and for protection of persons adjacent to site and environment to extent that they may be affected by conduct of Work.
- .2 Comply with and enforce compliance by employees with safety requirements of Contract Documents, applicable federal, provincial, territorial and local statutes, regulations, and ordinances, and with site-specific Health and Safety Plan.
- .3 Be responsible and assume the role of “Constructor” as described in the Ontario Occupational Health & Safety Act and Regulations for Construction Projects.

#### **1.10 COMPLIANCE REQUIREMENTS**

- .1 Comply with the Ontario Occupational Health and Safety Act, R.S.O. 1990, c. 0.1 current editions as amended.
- .2 Comply with the Ontario Regulations for Construction Projects, O. Reg. 213/91 current edition as amended.
- .3 Comply with Health and Safety Requirements of CSA Z-462 (Workplace Electrical Safety).
- .4 Comply with LOTO procedures as prescribed in CSA Z-460 “Control of hazardous energy – Lockout and other methods”.

- .5 Occupational Health and Safety Act, Regulations for construction projects, O. Reg., Part II - General Construction.
- .6 Occupational Health and Safety Act, Health Care and Residential Facilities Regulation, O. Reg., Confined Spaces.
- .7 Canada Labour Code, Canada Occupational Safety and Health Regulations, Part XI - Confined Spaces.

**1.11 UNFORSEEN HAZARDS**

- .1 When unforeseen or peculiar safety-related factor, hazard, or condition occur during performance of Work, follow procedures in place for Employee's Right to Refuse Work in accordance with Acts and Regulations of Province having jurisdiction and advise Departmental Representative verbally and in writing.

**1.12 HEALTH AND SAFETY CO-ORDINATOR**

- .1 Not applicable

**1.13 POSTING OF DOCUMENTS**

- .1 Ensure applicable items, articles, notices and orders are posted in conspicuous location on site in accordance with Acts and Regulations of Ontario, and in consultation with Departmental Representative.

**1.14 CORRECTION OF NON-COMPLIANCE**

- .1 Immediately address health and safety non-compliance issues identified by authority having jurisdiction or by Departmental Representative.
- .2 Provide Departmental Representative with written report of action taken to correct non-compliance of health and safety issues identified.
- .3 Departmental Representative may stop Work if non-compliance of health and safety regulations is not corrected.

**1.15 BLASTING**

- .1 Blasting or other use of explosives is not permitted.

**1.16 POWDER ACTUATED DEVICES**

- .1 Use of powder actuated devices is not permitted.

**1.17 PERSONNEL HEALTH, SAFETY, AND HYGIENE**

- .1 Training: ensure personnel entering maintenance holes are trained in accordance with confined space entry procedures.
- .2 Levels of Protection: establish levels of protection for each Work area based on planned activity and location of activity. Minimum PPE required for each level of protection as follows:
  - .1 Head, Eye, Ear Protection: hard hat, goggles, and safety glasses with sideshields.
  - .2 Clothing: standard work uniform.
- .4 Personal Protective Equipment:

- .1 Furnish site personnel with appropriate PPE as specified above. Ensure that safety equipment and protective clothing is kept clean and maintained.
- .5 Develop protective equipment usage procedures and ensure that procedures are strictly followed by site personnel; include following procedures as minimum:
  - .1 Ensure prescription eyeglasses worn are safety glasses and do not permit contact lenses on site within work zones.
  - .2 Ensure footwear is steel-toed safety shoes or boots and is covered by rubber overshoes when entering or working in potentially contaminated work areas.
- .6 Heat Stress/Cold Stress: implement heat stress and cold stress] monitoring program as applicable and include in site-specific Health and Safety Plan.
- .7 Personnel Hygiene and Personnel Decontamination Procedures. Provide minimum as follows:
  - .1 Suitable containers for storage and disposal of used disposable PPE.
  - .2 Potable water and suitable sanitation facility.
- .9
- .11 Emergency and First-Aid Equipment:
  - .1 Locate and maintain emergency and first-aid equipment in appropriate location on site including first-aid kit to accommodate number of site personnel; portable emergency eye wash; two 9 kg ABC type dry chemical fire extinguishers.
  - .1 2 self-contained breathing apparatus units; blankets and towels; stretcher; and 1 hand-held emergency siren.
  - .2 As minimum, provide wireless communications on site at all times when work activities are in progress.
- .13 Site Communications:
  - .1 Post emergency numbers near site telephones.
  - .2 Ensure personnel use of "buddy" system and develop hand signal system appropriate for site activities.
  - .3 Provide employee alarm system to notify employees of site emergency situations or to stop Work activities if necessary.
  - .4 Furnish selected personnel with 2-way radios.
  - .5 Safety Meetings: conduct safety meetings for personnel by special or work-related conditions; include refresher training for existing equipment and protocols, review ongoing safety issues and protocols, and examine new site conditions as encountered. Hold additional safety meetings on as-needed basis.

**Part 2 Products**

**2.1 NOT USED**

- .1 Not used.

HV Cable Replacement  
R.066711.001 and  
R.720041.001

## HEALTH AND SAFETY REQUIREMENTS

Section 01 35 29.06

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### **Part 3            Execution**

#### **3.1                NOT USED**

.1            Not used.

**END OF SECTION**