

INVITATION TO TENDER NO. PS20190439
CONTRACTOR FOR PANDORA PARK RENEWAL AND DOG OFF-LEASH AREA
SCHEDULE 8 (PART D - FORM OF AGREEMENT)

**SCHEDULE 8
CITY PRE-CONTRACT HAZARD ASSESSMENT FORM**

Contract Title Pandora Park Renewal and Dog Off-Leash Area

PROJECT MANAGER (City employee) Debra Barnes

Contract NAME & # (IF KNOWN) PS20190439

Purpose

This document shall be completed by the project manager, who shall list all the **known** worksite hazards and all the **existing** work process hazards that will be associated with the upcoming contract. The completed document shall then be provided to all potential contractors, as part of the tender package, so the project can be bid appropriately based on the known worksite hazards.

Definitions

Project Manager – the City employee designated to be the liaison with the contractor for the purpose of managing, overseeing, coordinating or in any other way administering the contract.

Instructions for Completion

The document must be completed in full. Choices for each entry are:

Y – Yes - the known worksite hazard or existing work process hazard does exist

N – No - the known worksite hazard or existing work process hazard does not exist*

NA – Not Applicable - worksite hazard or existing work process is not applicable for this contract type

TBD - a third party (environmental consultant) will address the issue (primarily for a hazardous materials assessment)

*based on reasonable estimation from all input by persons with expertise or relevant knowledge and understanding

Information from Hazardous Materials Assessments Provided by a Third Party

A hazardous materials assessment may be completed prior to the Project Manager completing the Owners List of Known Workplace Hazards. Any such assessment should be referenced by the Project Manager in this document and provided with the tender package. Hazardous materials may include asbestos, lead, crystalline silica, ammonia, PCB's, CFC's, moulds, mercury, ozone depleting substances (ODS), radioactive substances.

Assistance in Completing this Document

If you have questions while completing this document, or are unsure if the listed hazards apply, please seek assistance from Health and Safety (604.871.6078 or healthandsafety@vancouver.ca).

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HAZARD OR ISSUE	Project Manager
Asbestos-containing Materials - disturbance or penetrations of flooring, walls, ceiling tiles, pipe lagging, ac pipe, transite siding, particularly in older facilities; e.g., furniture/fixture installation, carpeting/flooring services, and boiler repair/tune-up services.	Yes (Y) No (N) Not Applicable (NA) To Be Determined (TBD)
a) Asbestos containing materials (ACM) will be encountered	N
b) A hazardous materials assessment for asbestos is provided in the tender package	N
c) A hazardous materials assessment for asbestos is the responsibility of the contractor	N

Lead-containing Materials - disturbance of lead-based paint, particularly in older facilities. Also present in certain electrical circuitry and metal alloys; .e.g., overhead bridge crane maintenance/repair, high-voltage cable splicing services, boiler repair/tune-up services, fixture installation services, and chiller maintenance/repair services.	Yes (Y) No (N) Not Applicable (NA) To Be Determined (TBD)
a) Inorganic lead-containing materials may be encountered	N
b) A hazardous materials assessment for lead is provided in the tender package	N
c) A hazardous materials assessment for lead is the responsibility of the contractor	N

Other hazardous materials - may include ammonia, PCBs, CFCs, moulds, mercury, ozone depleting substances (ODS), radioactive substances, sewage, unknown contaminated materials, other: (list other here)_____	Yes (Y) No (N) Not Applicable (NA) To Be Determined (TBD)
a) A hazardous materials assessment for ammonia is provided in the tender package	NA
b) A hazardous materials assessment for (list the specific hazardous material) will be provided in the tender package	N
c) A hazardous materials assessment for (list the specific hazardous materials) will be the contractors responsibility	N

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CONFINED SPACES - working in vaults, chambers, pits, tanks, etc.; e.g., construction, inspection and testing services, water/fuel storage tank clean-out services, and utility corrosion inspection services.	Yes (Y) No (N) or Not Applicable (NA)
a) A hazard assessment (for entry and inspection only) from the City of Vancouver is provided in the tender package	N
b) The City of Vancouver shall provide procedures to isolate adjacent piping, or to lock out equipment (complicated systems only)	N
c) The contractor shall be responsible for isolation and lockout procedures in the confined space	Y

Lock Out - industrial equipment maintenance, power machinery repair services, pump maintenance/repair services, mechanical refrigeration systems, elevator repair, overhead bridge crane maintenance/repair services, cathodic protection services, hydraulic test systems repair/service, and air compressor rebuilding services.	Yes (Y) No (N) or Not Applicable (NA)
a) Lockout will be required to isolate or prevent the unexpected release of energy (electrical, mechanical, hydraulic, chemical, thermal, kinetic, gravitational, pneumatic)	Y
b) Work will be performed on or near energized equipment, lines, or circuits	Y

If yes to a) or b) describe:

Overhead power lines and service lines present in and around the perimeter of the park.

Fall Protection - tree pruning, window and ledge cleaning, window replacement, overhead bridge crane maintenance/repair services, roll-up door replacement, tent installation, awning/canopy installation, overhead air exchange installation, construction inspection and testing services.	Yes (Y) No (N) or Not Applicable (NA)
a) Workers will be exposed to a potential fall in excess of 3 m (10 feet), or to a fall of less than 3 m (10 feet) which would likely result in a serious injury (ex. impalement on rebar)	N
b) Scaffolding or ladders will be required to be secured to a building or structure	N

Overhead and Underground Utilities - tree pruning services, tree removal, utility relocation or replacement, underground utility identification (digging with powered equipment), concrete sawing services, pole painting	Yes (Y) No (N) or Not Applicable (NA)
a) There will be electrical hazards associated with overhead power lines such as limits of approach and contact	Y
b) Necessary assurances (in writing) have (or will be) obtained by the City, through	N

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the utility company, for any work where minimum limits of approach cannot be maintained (provide documentation and review at pre job meeting with the successful contractor candidate)	
c) Necessary assurances must be obtained (in writing) by the successful contractor, through the utility company, for any work where minimum limits of approach will not be able to be maintained	Y
d) Underground or hidden utilities are located on the job site. Any excavation or drilling work in proximity to an underground utility service must be undertaken in conformity with the requirements of the owner of that utility service	Y

If yes to c), and the specific physical locations where minimum limits of approach will not be able to be maintained are known, how will this information be provided to the contractor?

Contractor to obtain information from utility company and ensure minimum limits of approach are maintained, report to owner's representative any concerns before proceeding.

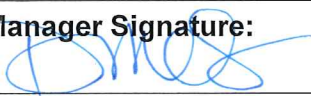
CONSTRUCTION, EXCAVATION, SHORING AND DEMOLITION	Yes (Y) No (N) or Not Applicable (NA)
a) As Prime Contractor, the City of Vancouver project manager will submit the Notice of Project	N
b) Workers will be required to enter an excavation over 1.2m (4 ft) in depth	NA

CHEMICALS, SOLVENTS, FUMES, VAPORS, AND/OR DUSTS (existing work processes or known worksite hazard only) – ice rinks, swimming pools, cleaning solvents, adhesives, paints, coatings, binders; e.g., storage tank clean-out services, countertop installation (epoxies), and flooring	Yes (Y) No (N) or Not Applicable (NA)
a) The worksite has chemicals solvents, fumes, vapors or dusts that may affect the contractor	NA
b) Material Safety Data Sheets for chemicals currently in use at the worksite will be available, on request, to the contractor	NA

If yes to a), list the work processes and/or chemicals in use:

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NOISE – (existing work processes only)	Yes (Y) No (N) or Not Applicable (NA)
a) Employees will be exposed to noise levels above 85dbA	NA
OTHER HAZARDS (NOT IDENTIFIED ABOVE)	
a) Hypodermic needles and sharps potentially on-site in various locations and places. BEWARE – necessary precautions are the contractor’s responsibility.	
b) Silica-containing materials including drywall, concrete, stone, and ceramic tiles can result in the production of silica containing dust if disturbed. Crystalline silica dust (e.g., quartz dust) is considered a carcinogen and therefore WorkSafeBC requires that exposures be kept As Low As Reasonably Achievable (ALARA). Workers must be protected from silica dust exposure during construction and demolition projects. In order to control worker exposure to silica dust, a risk assessment and work procedures must be developed, which comply with the WorkSafeBC Occupational Health & Safety Regulation (current edition).	
c) The adjacent/surrounding park will stay open to park users throughout construction – ensure public safety at all times.	
d) Should the contractor create noise levels above 85dbA throughout the construction process – this hazard is the contractor’s responsibility.	

KNOWN WORKPLACE HAZARDS LIST COMPLETED BY	
Project Manager Name (print): Debra Barnes	
Project Manager Signature: 	Date: May 3, 2019
Title: Landscape Architect	Phone: 604 718 5852

