

## Certificate of Property Use

Issued under the authority of the Environmental Protection Act, R.S.O. 1990, c. E.19,  
sections 168.6 (CPU) and 197 (Order)

Certificate of Property use number 6542-CXZNXT  
Risk Assessment number 1310-CMALT6

**Owner:** His Majesty the King in Right of Ontario as Represented by the Minister of  
Infrastructure  
Suite 2000 - 1 Dundas Street West  
Toronto, ON M5G 2L5

**Site:** **955 Lake Shore Blvd. West (Ontario Place – West Island), Toronto ON**

with a legal description as set out below:

Part of Lot 31-1, Section CL3368, Part of Bed of Lake Ontario in front of Or Plan  
Ordinance Reserve and Lot 31, Broken Front Concession CL3368, Toronto.

Being Part of PIN 21417-0001 (LT)

**The conditions of this Certificate of Property Use (CPU) address the Risk Management Measures in the Risk Assessment noted above and described in detail in Part 1 below (Risk Assessment). In the event of a conflict between the CPU and the Risk Assessment, the conditions of the CPU take precedence.**

**Summary:**

***Refer to Part 1 of the CPU, Interpretation, for the meaning of all the defined capitalized terms that apply to the CPU.***

- i) CPU requirements addressed in Part 4 of the CPU, Director Requirements, are summarized as follows:
- |   |     |
|---|-----|
| a. Installing/maintaining any equipment                     | Yes |
| b. Monitoring any contaminant                               | Yes |
| c. Refraining from constructing any building specified      | Yes |
| d. Refraining from using the Property for any use specified | Yes |

- e. Other: Maintaining a barrier to site soils and preparing and implementing a soil and groundwater management plan and health and safety plan for the Property. Yes
- ii) Duration of Risk Management Measures identified in Part 4 of the CPU is summarized as follows:
  - a. The barrier to site soils over the entirety of the Property shall be maintained indefinitely until the Director alters or revokes the CPU.
  - b. The soil and groundwater management plan and the health and safety plan shall be required for the Property during any activities potentially in contact with or exposing site soils and groundwater for as long as the Contaminants of Concern are present on the Property.
  - c. All other Risk Management Measures shall continue indefinitely until the Director alters or revokes the CPU.

## Part 1: Interpretation

In the CPU the following terms shall have the meanings described below:

“Adverse Effect” has the same meaning as in the Act; namely,

- a. impairment of the quality of the natural environment for any use that can be made of it;
- b. injury or damage to property or to plant or animal life;
- c. harm or material discomfort to any person;
- d. an adverse effect on the health of any person;
- e. impairment of the safety of any person;
- f. rendering any property or plant or animal life unfit for human use;
- g. loss of enjoyment of normal use of property; and,
- h. interference with the normal conduct of business.

“Act” means the *Environmental Protection Act*, R.S.O. 1990, c. E. 19.

“Building” means an enclosed structure occupying an area greater than ten square metres consisting of a wall or walls, roof and floor.

“Building Area” means the horizontal area of a Building at Grade within the outside surface of the exterior wall or walls.

“Building Code” means Ontario Regulation 332/12 (Building Code) made under the *Building Code Act, 1992*, S.O. 1992, c.23.

“Contaminant” has the same meaning as in the Act; namely any solid, liquid, gas, odour, heat, sound, vibration, radiation or combination of any of them, resulting directly or indirectly from human activities that causes or may cause an Adverse Effect.

“Contaminants of Concern” or “COC” has the meaning as set out in section 3.2 of the CPU.

“CPU” means this Certificate of Property Use as may be altered from time to time and bearing the document number 6542-CXZNXT.

"Director" means the undersigned Director, or any other person appointed as a Director for the purpose of issuing a certificate of property use.

“EBR” means the *Environmental Bill of Rights, 1993*, S.O. 1993, c. 28.

“Grade” has the same meaning as in the Building Code.

“Licensed Professional Engineer” means a person who holds a licence, limited licence or temporary licence under the Professional Engineers Act, R.S.O. 1990, c. P.28.

“Ministry” means the ministry of the government of Ontario responsible for the administration of the Act, currently named the Ministry of the Environment, Conservation and Parks.

‘NAPL’ means non-aqueous phase liquids.

“O. Reg. 153/04” means Ontario Regulation 153/04, “Record of Site Condition – Part XV.1 of the Act” made under the Act.

“O. Reg. 347/90 means Ontario means R.R.O. 1990, Regulation 347 General - Waste Management” made under the Act.

“Owner” means the owner(s) of the Property, beginning with the person(s) to whom the CPU is issued, described in the “Owner” section on Page 1 above, and any subsequent owner(s) of the Property.

"OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c.O.40.

“Property” means the property that is the subject of the CPU and described in the “Site” section on page 1 above.

“Property Specific Standards” means the property specific standards established for the Contaminants of Concern set out in the Risk Assessment and in section 3.2 of the CPU and are the same standards specified in the Risk Assessment.

"Provincial Officer" means a person who is designated as a provincial officer for the purposes of the Act.

“Qualified Person” means a person who meets the qualifications prescribed in subsection 5 (2) of O. Reg. 153/04, namely a person who:

- a. Holds a licence, limited licence or temporary licence under the *Professional Engineer Act*, or
- b. Holds a certificate of registration under the *Professional Geoscientists Act, 2000*, and is a practicing member, temporary member, or limited member of the Association of Professional Geoscientists of Ontario.

"Risk Assessment" means the Risk Assessment number 1310-CMALT6 accepted by the Director on November 28, 2023, and set out in the following documents:

- Report entitled "Ontario Place West Island (MOI), Toronto, Ontario, Risk Assessment for Ontario Place West Island (MOI)" prepared by Jacobs Engineering Group Inc., dated March 12, 2023;
- Report entitled "Ontario Place West Island (MOI), Toronto, Ontario, Revision no: 3, Risk Assessment for Ontario Place West Island (MOI)" prepared by Jacobs Engineering Group Inc., dated October 4, 2023; and
- Report entitled "Ontario Place West Island (MOI), Toronto, Ontario, Revision no: 4, Risk Assessment for Ontario Place West Island (MOI)" prepared by Jacobs Engineering Group Inc., dated November 17, 2023

"Risk Management Measures" means the risk management measures specific to the Property described in the Risk Assessment and/or Part 4 of the CPU.

"Storage Garage" has the same meaning as the Building Code.

"Sub Slab Vapour Venting Layer" means an engineered venting layer and associated Venting Components above the sub-slab materials for building construction and below a Vapour Barrier, as designed by a Licenced Professional Engineer which operates in a passive manner but can be converted into an active system if necessary, providing pressure relief, collection and venting of vapours away from a building.

"Tribunal" has the same meaning as in the Act, namely the Ontario Land Tribunal.

"Unimpacted Fill" means soil meeting the residential/parkland/institutional property use standards within **Table 9** of the *Soil, Ground Water and Sediment Standards for Use under Part XV.1 of the Act* for coarse textured soils published by the Ministry and/or granular fill.

"Vapour Barrier" means a geo-synthetic barrier (including but not limited to geomembrane or spray applied equivalent) meeting the appropriate gas permeability and chemical resistance specifications to be considered impermeable and resistant to the Contaminants of Concern as per Risk Assessment and is considered appropriate by the Licensed Professional Engineer and Qualified Person for its application.

"Venting Components" means a network of perforated piping/plenums or venting composites embedded in granular materials of sufficient permeability or other venting products with continuous formed void space that convey vapours and direct these vapours into vent risers that terminate above the roof elevation with option of wind-driven turbines to support passive venting, or active venting if required.

## Part 2: Legal Authority

- 2.1 Section 19 of the Act states that a certificate of property use is binding on the executor, administrator, administrator with the will annexed, guardian of property or attorney for property of the person to whom it was directed, and on any other successor or assignee of the person to whom it was directed.
- 2.2 Subsection 132(1.1) of the Act states that the Director may include in a certificate of property use a requirement that the person to whom the certificate is issued provide financial assurance to the Crown in right of Ontario for any one or more of,
- a. the performance of any action specified in the certificate of property use;
  - b. the provision of alternate water supplies to replace those that the Director has reasonable and probable grounds to believe are or are likely to be contaminated or otherwise interfered with by a contaminant on, in or under the property to which the certificate of property use relates; and
  - c. measures appropriate to prevent adverse effects in respect of the property to which the certificate of property use relates.
- 2.3 Section 168.6 (1) of the Act states that if a risk assessment related to the property has been accepted under clause 168.5 (1) (a), the Director may issue a certificate of property use to the owner of the property, requiring the owner to do any of the following things:
1. Take any action that is specified in the certificate and that, in the Director's opinion, is necessary to prevent, eliminate or ameliorate any adverse effect that has been identified in the risk assessment, including installing any equipment, monitoring any contaminant or recording or reporting information for that purpose.
  2. Refrain from using the property for any use specified in the certificate or from constructing any building specified in the certificate on the property.
- 2.4 Subsection 168.6(2) of the Act states that a certificate of property use shall not require an owner of property to take any action that would have the effect of reducing the concentration of a contaminant on, in or under the property to a level below the level that is required to meet the standards specified for the contaminant in the risk assessment.
- 2.5 Subsection 168.6(3) of the Act states that the Director may, on his or her own initiative or on application by the owner of the property in respect of which a certificate has been issued under subsection 168.6(1),
- a. alter any terms and conditions in the certificate or impose new terms and conditions; or
  - b. revoke the certificate.
- 2.6 Subsection 168.6(4) of the Act states that if a certificate of property use contains a provision requiring the owner of property to refrain from using the property for a specified use or from constructing a specified building on the property,
- a. the owner of the property shall ensure that a copy of the provision is given to every occupant of the property;
  - b. the provision applies, with necessary modifications, to every occupant of the property who receives a copy of the provision; and

- c. the owner of the property shall ensure that every occupant of the property complies with the provision.
- 2.7 Subsection 197(1) of the Act states that a person who has authority under the Act to make an order or decision affecting real property also has authority to make an order requiring any person with an interest in the property, before dealing with the property in any way, to give a copy of the order or decision affecting the property to every person who will acquire an interest in the property as a result of the dealing.
- 2.8 Subsection 197(2) of the Act states that a certificate setting out a requirement imposed under subsection 197(1) may be registered in the proper land registry office on the title of the real property to which the requirement relates, if the certificate is in a form approved by the Minister, is signed or authorized by a person who has authority to make orders imposing requirements under subsection 197(1) and is accompanied by a registrable description of the property.
- 2.9 Subsection 197(3) of the Act states that a requirement, imposed under subsection 197(1) that is set out in a certificate registered under subsection 197(2) is, from the time of registration, deemed to be directed to each person who subsequently acquires an interest in the real property.
- 2.10 Subsection 197(4) of the Act states that a dealing with real property by a person who is subject to a requirement imposed under subsection 197(1) or 197(3) is voidable at the instance of a person who was not given the copy of the order or decision in accordance with the requirement.

### **Part 3: Background**

- 3.1 The Risk Assessment was undertaken for the Property on behalf of the Owner to assess the human health risks and ecological risks associated with the presence or discharge of Contaminants on, in or under the Property and to identify appropriate Risk Management Measures to be implemented to ensure that the Property is suitable for the intended use: “parkland use” and “community use” as defined in O. Reg. 153/04.
- 3.2 The Contaminants on, in or under the Property that are present above the residential/parkland/institutional Property Use Standards within **Table 9** (and **Table 7** for volatiles in groundwater) of the ***Soil, Ground water and Sediment Standards for Use under Part XV.1 of the Act*** for coarse textured soils published by the Ministry and dated April 15, 2011, for which there are no such standards are defined as the Contaminants of Concern. The Property Specific Standards for soil for the Contaminants of Concern are set out in Schedule ‘A’; the indoor air and sub slab soil vapour trigger levels are set out in Schedules ‘B’ and ‘C’; the indoor air and sub slab soil vapour sampling requirements

are set out in Schedules 'D' and 'E' as attached to and forming part of the CPU with the following figures:

- Plan of Survey with the Property outlined in black; and
- Figures I-2 to I-10 and I-13 to I-15.

3.3 I am of the opinion, for the reasons set out in the Risk Assessment that the Risk Management Measures described therein and outlined in Part 4 of the CPU are necessary to prevent, eliminate or ameliorate an Adverse Effect on the Property.

## Part 4: Director's Requirements

Pursuant to the authority vested in me under section 168.6(1) of the Act, I hereby require the owner to do or cause to be done the following:

4.1 Implement, and thereafter maintain or cause to be maintained, the Risk Management Measures.

4.2 Without restricting the generality of the foregoing in Item 4.1, carry out or cause to be carried out the following key elements of the Risk Management Measures:

a. Refrain from planting any plants or produce that are edible or intended for human consumption unless grown in self-contained in above Grade planter boxes or beds having no contact with soils on the Property.

b. The Property shall be covered by a barrier to site soils designed, installed and maintained in accordance with the Risk Assessment so as to prevent exposure to the Contaminants of Concern. The barrier to site soils shall consist of a hard cap, fill/soil cap and/or fence as specified below:

- i. Hard caps on the Property shall have a minimum thickness of 225 mm consisting of armour stone, asphalt, light weight cellular concrete, grates, pavers, paving stones, rubberized surfaces, u-fill or concrete underlain by granular fill (as illustrated by figure I-1 of the CPU).
- ii. Interim hard caps on the Property shall be implemented on a temporary basis during redevelopment shall have a minimum thickness of 150 mm consisting of asphalt or concrete underlain by granular fill (as illustrated by figure I-5 of the CPU).
- iii. Fill caps on the Property shall have a minimum depth of 500 mm consisting of Unimpacted Fill (as illustrated by figure I-2 of the CPU).
- iv. Fill caps for any deeper rooting plants (i.e. bushes, shrubs and trees) with roots extending 500 mm below the surface of the Property up to a maximum 1000 mm below the surface shall consist of soil meeting the residential/parkland/ institutional property use standards within **Table 9 of the Soil, Ground Water and Sediment Standards for Use under Part XV.1 of the Act** for coarse textured soils published by the Ministry and dated April 15, 2011 shall have a minimum depth of 1000 mm with a minimum lateral distance of 3.0 m radius from the tree trunk or to extend to the expected width of the tree canopy at maturity or to the extent of the Silva Cells if used; whatever was greater (as illustrated by figure I-3).

- v. Fill caps for any deep rooting plants (i.e. trees and shrubs) with roots extending 1000 mm below the surface of the Property up to a maximum 1500 mm below the surface consisting of soil meeting the residential/parkland/ institutional property use standards within **Table 9** of the **Soil, Ground Water and Sediment Standards for Use under Part XV.1 of the Act** for coarse textured soils published by the Ministry and dated April 15, 2011 shall have a minimum depth of 1500 mm with a minimum lateral distance of 3.0 m radius from the tree trunk or to extend to the expected width of the tree canopy at maturity or to the extent of the Silva Cells if used; whatever was greater (as illustrated by figure I-3).
  - vi. Fill caps for any existing trees on the Property shall have a minimum depth of 100 mm on top of the site soils consisting of river stones, pavers, or grates or combination thereof (as illustrated by figure I-4).
  - vii. Interim fill cap on the Property shall be implemented on a temporary basis during redevelopment shall have a minimum thickness of 100 mm consisting of granular fill (as illustrated by figure I-5 of the CPU).
  - viii. Interim fill cap on the Property shall be implemented on a temporary basis only during redevelopment shall have a minimum thickness of 300 mm consisting of Unimpacted Fill (as illustrated by figure I-5).
  - ix. Utility trenches or corridors containing utility pipes within a 500 mm fill cap shall include at least a 500 mm fill cap below the utility consisting of Unimpacted Fill (as illustrated by figure I-6).
  - x. Utility trenches or corridors containing utility pipes below a fill cap and with a utility pipe diameter less than 900 mm on the Property shall consist of Unimpacted Fill to the top of the utility pipe, a minimum thickness of 600 mm on either side of the utility pipe and a minimum thickness of 500 mm below the utility pipe (as illustrated by figure I-6 of the CPU).
  - xi. Utility trenches or corridors containing utility pipes below a fill cap and with a utility pipe diameter more than 900 mm on the Property shall consist of Unimpacted Fill to the top of the utility pipe, a minimum thickness of 1300 mm on either side of the utility pipe and a minimum thickness of 500 mm below the utility pipe (as illustrated in figure I-6 of the CPU).
  - xii. For portion(s) of the Property, not under redevelopment or not in use shall have an interim hard cap barrier as per Items 4.2 b. ii., vi and vii. of the CPU or a fence barrier to prevent the general public from accessing the site and a dust control plan to prevent surface soil from impacting the adjacent properties.
- c. An inspection and maintenance program shall be prepared and implemented to ensure the continuing integrity of the barriers to site soils risk management measures (including any building foundations, interim barriers and fence barrier) as long as the Contaminants of Concern are present on the Property. The inspection program shall, at a minimum, be semi-annual (every six months) inspections for all barriers to site soils. Any barrier to site soils deficiencies shall be repaired forthwith. Inspection, deficiencies and repairs shall be recorded in a logbook maintained by the Owner and made available upon request by a Provincial Officer.
- d. A soil and groundwater management plan shall be prepared for the Property and implemented during any activities potentially coming in contact with or exposing site soils or groundwater. A copy of the plan shall be kept by the Owner and made available for review by a Provincial Officer upon request. Implementation of the plan shall be overseen by a Qualified Person and shall include, but not be limited to,



provisions for soils excavation, stockpiling, characterization, disposal and record keeping specified below:

- i. Dust control measures and prevention of soil tracking by vehicles and personnel from the Property, which may include wetting of soil with potable water, reduced speeds for on-site vehicles, tire washing stations and restricting working in high wind conditions, as required;
  - ii. Management of excavated materials which may include cleaning equipment, placement of materials for stockpiling on designated areas lined and covered with polyethylene sheeting, bermed and fenced to prevent access, runoff control to minimize contact and provisions for discharge to sanitary sewers or other approved treatment, as required;
  - iii. Characterization of excavated soils to determine if soils exceed the Property Specific Standards shall follow the soil sampling strategy in the Risk Assessment. Excavated soils and materials requiring off-site disposal as a waste shall be disposed of in accordance with the provisions of O. Reg. 347/90, as amended, made under the Act. Excavated soils meeting the Property Specific Standards may be placed below the barrier to site soils if deemed suitable by a Qualified Person and in accordance with the Risk Assessment. Excavated soils meeting the residential/parkland/ institutional property use standards within **Table 9** of the ***Soil, Ground Water and Sediment Standards for Use under Part XV.1 of the Act*** for coarse textured soils published by the Ministry and dated April 15, 2011 may be placed within the barrier to site soils if deemed suitable by a Qualified Person and in accordance with the Risk Assessment.
  - iv. Soils brought to the Property shall follow the soil sampling strategy in the Risk Assessment and only soils meeting the residential/parkland/institutional property use standards within **Table 9** of the ***Soil, Ground Water and Sediment Standards for Use under Part XV.1*** of the Act for coarse textured soils published by the Ministry and dated April 15, 2011 is to be placed on, in or under the Property.
  - v. Appropriate removal and disposal of groundwater containing visible sheen and/or NAPL as per Risk Assessment.
  - vi. Record keeping including dates and duration of work, weather and site conditions, location and depth of excavation activities, dust and odour control measures, stockpile management and drainage, soil characterization results, names of the Qualified Person, contractors, haulers and receiving sites for any soil or contaminated groundwater removed from the Property and any complaints received relating to site activities potentially coming in contact with or exposing site soils and groundwater.
- e. A site-specific health and safety plan shall be developed for the Property and implemented during all intrusive, below-grade construction activities potentially coming in contact with or exposing site soils or groundwater and a copy shall be maintained on the Property for the duration of these intrusive activities. The Owner shall ensure that the health and safety plan take into account the presence of the Contaminants of Concern and methane is implemented prior to any intrusive work being done on the Property in order to protect workers from exposure to the Contaminants of Concern and methane. The health and safety plan shall be prepared in accordance with applicable Ministry of Labour health and safety regulations, shall address any potential risks identified in the Risk Assessment, and shall include, but not be limited to,

- i. Dewatering of excavations of standing water is present in trenches and workers will be entering the trench or excavation as per Risk Assessment;
- ii. occupational hygiene requirements;
- iii. requirements for appropriate personal protective equipment for direct contact with site soils, groundwater, methane and free product ('NAPL') as per Risk Assessment;
- iv. the use of appropriate decontamination protocols as per Risk Assessment;
- v. the use of ventilating fans and/or air monitoring programs for confined space entry as per Risk Assessment; and
- vi. contingency plan requirements including site contact information.

Prior to initiation of any project (as defined in the Occupational Health and Safety Act, as amended) on the Property, the local Ministry of Labour office shall be notified of the proposed activities and that the Property contains contaminated soil and groundwater. Implementation of the health and safety plan shall be overseen by persons appropriately qualified to review the provisions of the plan with respect to the proposed site work and conduct daily inspections. The Owner shall retain a copy of the plan, which shall be made available for review by a Provincial Officer upon request.

- f. The existing Building(s) and structures on the Property shall remain closed and public access of these existing Buildings and structures shall be prohibited which are planned to be demolished in 2026.
- g. Refrain from constructing any Building on, in or under the Property unless the Building contains a vapour mitigation system as follows:
  - i. All Building(s) on the Property include the sealing of foundation penetrations and sumps and waterproofing if applicable (as illustrated in figures I-13 and I-14) , a Vapour Barrier, Sub Slab Vapour Venting Layer and Venting Components as described in the Risk Assessment as illustrated in figures I-7, I-8 and figure I-9 for non-submerged foundation or figure I-10 for partially submerged foundation of the CPU.
  - ii. The Owner shall retain a copy of all Vapour Barrier, Sub Slab Vapour Venting Layer and Venting Component as-built drawings signed by a Licensed Professional Engineer along with the proposed testing and performance requirements for the Vapour Barrier, Sub Slab Vapour Venting Layer and Venting Component for inspection by a Provincial Officer.
  - iii. An inspection and maintenance program shall be prepared and implemented to ensure the continuing integrity of the vapour mitigation system. A final inspection for cracks, holes or penetrations in the below grade walls and floors shall be conducted before any finishes are applied to the walls and floors and prior to occupancy and shall be recorded in a logbook. Any holes, cracks or penetrations shall be repaired and sealed immediately and recorded in a logbook.
  - iv. With regard to the venting layer and Venting Components, inspections of the venting layer and Venting Components, where visually accessible, will be made for potential breaches. The inspection program shall include semi-annual (every six months) inspections as per the Risk Assessment and any deficiencies shall be repaired forthwith. The inspection results shall be

recorded in a log book maintained by the Owner and available upon request by a Provincial Officer.

- h. Refrain from constructing any Building on, in or under the Property other than a Building that meets the requirements of Item 4.2 g. of the CPU unless the Building is intended for use as storage/utility shed and is a slab on Grade with no vertical below-Grade foundation walls as follows:
  - i. All Building(s) on the Property include the sealing of foundation penetrations (as illustrated in figure I-13), a Vapour Barrier as described in the Risk Assessment.
  - ii. The Owner shall retain a copy of all Vapour Barrier as-built drawings signed by a Licensed Professional Engineer along with the proposed testing and performance requirements for the Vapour Barrier for inspection by a Provincial Officer.
  - iii. An inspection and maintenance program shall be prepared and implemented to ensure the continuing integrity of the Vapour Barrier. A final inspection for cracks, holes or penetrations in the below grade walls and floors shall be conducted before any finishes are applied to the walls and floors and prior to occupancy and shall be recorded in a logbook. Any holes, cracks or penetrations shall be repaired and sealed immediately and recorded in a logbook.
  - iv. The inspection program shall include semi-annual (every six months) inspections as per the Risk Assessment and any deficiencies shall be repaired forthwith. The inspection results shall be recorded in a logbook maintained by the Owner and available upon request by a Provincial Officer.
  
- i. Refrain from constructing any temporary Building(s) (i.e. tents and pedestal mounted trailers) on, in under the Property other than a temporary Building that contains a vapour mitigation system and is in use and standing less than 12 consecutive months as follows:
  - i. All temporary Building(s) on the Property shall include a Vapour Barrier or hard cap surfaces that are sealed, and a passive venting system through an open space below the raised temporary flooring or through a well-ventilated tent space as described in the Risk Assessment and as Illustrated in figure I-15.
  - ii. The Owner shall retain a copy of all Vapour Barrier and open space as-built drawings signed by a Licensed Professional Engineer along with the proposed testing and performance requirements for the Vapour Barrier for inspection by a Provincial Officer.
  - iii. An inspection and maintenance program shall be prepared and implemented to ensure the continuing integrity of the Vapour Barrier and open space or tent. A final inspection for cracks, holes or penetrations in the below grade walls and floors shall be conducted before any finishes are applied to the walls and floors and prior to occupancy and shall be recorded in a logbook. Any holes, cracks or penetrations shall be repaired and sealed immediately and recorded in a logbook.
  - iv. The inspection program shall include semi-annual (every six months) inspections as per the Risk Assessment and any deficiencies shall be repaired forthwith. The inspection results shall be recorded in a logbook maintained by the Owner and available upon request by a Provincial Officer.

- j. The air monitoring requirements on the Property is to commence prior to occupancy of any Building on the Property. All air monitoring programs shall be done in accordance with USEPA Method TO-15 for the Contaminants of Concerns listed in Schedule 'B' of the CPU and all indoor air monitoring with summa canisters shall be done using a 24-hour regulator (sample duration). The air monitoring program shall be carried out as follows:
- i. For any Building(s) that meets the requirements of 4.2 h. of the CPU; the indoor air or sub slab soil vapour monitoring shall be carried out as a one-time monitoring event prior to occupancy.
  - ii. For all other Building(s) (except for temporary Building in 4.2 i), the indoor air or sub slab soil vapour monitoring shall commence prior to occupancy and carried out on a quarterly basis (every three months) for the first year, and semi-annually (every six months) for the second year and thereafter until such time as Director, upon application by the Owner, has reviewed the data available and either alters or revokes the CPU.
  - iii. All air monitoring and sampling shall be done in accordance with the Ministry's document entitled "(Draft) Technical Guidance for Soil Vapour Intrusion Assessment" dated January 4, 2021, and any outdoor air sampling shall be done in accordance with The Ministry's "Operations Manual for Air Quality Monitoring in Ontario", dated January 2018 for the Contaminants of Concerns listed in Schedule 'B' of the CPU.
  - iv. Sampling locations for the soil vapour probes or for indoor air shall be identified by an appropriately qualified person to be protective of human health for any persons using or occupying the buildings on the Property. The minimum number of samples per Building Area shall follow Schedule 'D' for indoor air monitoring or Schedule 'E' for sub slab soil vapour monitoring.
  - v. If the air concentration for any Contaminants of Concern exceeds Schedule 'B' trigger levels for a parkland use building or Schedule 'C' trigger levels for a community use building, then the Owner shall immediately notify the Director in writing of the exceedance along with a copy of the soil vapour probe construction logs, laboratory's certificate of analysis and chain of custody, field notes indicating the initial and final canister pressures, atmospheric pressure, weather and temperature.
  - vi. The Owner shall keep a copy of all sampling data and records available for inspection by a Provincial Officer upon request.
  - vii. If the air concentration for the Contaminants of Concern exceeds Schedule 'B' for air trigger level for parkland use Building or Schedule 'C' for air trigger levels for a community use Building, then the indoor air or the sub slab soil vapour monitoring shall recommence for all Contaminants of Concern within fifteen (15) days of receipt of the analytical results and be carried out as follows:
    1. If none of the concentrations of the Contaminants of Concern exceeds Schedule 'B' (air trigger levels for parkland Building) or Schedule 'C' (air trigger levels for a community use Building) on the recommenced indoor air or sub slab soil soil vapour monitoring event, then the indoor air or sub slab soil vapour monitoring event shall be carried out on a frequency as specified in item 4.2 j. ii. of the CPU.
    2. If any of the concentrations of the Contaminants of Concern exceeds Schedule 'B' (air trigger levels for parkland Building) or Schedule 'C' (air trigger levels for a community use Building) on the recommenced indoor air or sub slab soil vapour monitoring event, then a Licensed

Professional Engineer shall, within thirty (30) days of the receipt of the analytical results, either

- i. develop and submit a detailed contingency plan (as outlined in Risk Assessment) to address the soil vapours in the Building to the Director; or
- ii. develop and submit a report to the Director that details these indoor air exceedances are due to background sources.

The air monitoring shall continue on a quarterly basis (every three months) until such time as the Director, upon application by the Owner, has reviewed the data available and either alters or revokes the CPU.

- k. The Owner shall retain a copy of the site plan prepared and signed by a Qualified Person prior to occupancy which will describe the Property, placement and quality of all the barriers to site soils. The site plan will include a plan and cross section drawings specifying the vertical and lateral extent of the barriers. This site plan shall be retained by the Owner for inspection upon request by a Provincial Officer. The site plan shall be revised following the completion of any alteration to the extent of the barriers to site soils.
  - l. The Owner shall prepare by March 31 each year, an annual report documenting activities relating to the Risk Management Measures undertaken during the previous calendar year. A copy of this report shall be maintained on file by the Owner and shall be made available upon request by a Provincial Officer. The report shall include, but not be limited to, the following minimum information requirements:
    - i. a copy of all records related to the inspection and maintenance program for the barrier to site soils, and vapour mitigation systems and Vapour Barriers;
    - ii. a copy of all records related to the soil and groundwater management plan and the health and safety plan on the Property;
    - iii. a copy of all records for air monitoring including laboratory's certificate of analyses and chain of custody, and field notes indicating the initial and final canister pressures, atmospheric pressure, weather and temperature;
    - iv. a copy of all records related to the groundwater monitoring program including the laboratory's certificate of analyses, chain of custody and borehole logs indicating the well details;
    - v. a copy of all as-builts for vapour mitigation systems and Vapour Barriers;
    - vi. a copy of all signed site plans for barriers to site soils including any alterations; and
    - vii. a copy of the updated financial assurance every five years from the date of issuance of the CPU.
- 4.3 Refrain from using the Property for any of the following use(s): all property uses except for following uses as defined in O.Reg. 153/04: "parkland use" and "community use".
- 4.4 Refrain from constructing the following building(s): No building construction unless construction is in accordance with Items 4.2 g. or 4.2 h. or 4.2 i. of the CPU.
- 4.5 The Owner shall ensure that every occupant of the Property is given notice that the Ministry has issued this CPU and that it contains the provisions noted above in Items 4.3 and 4.4, unless noted N/A. For the purposes of this requirement, an occupant means

any person with whom the Owner has a contractual relationship regarding the occupancy of all or part of the Property.

### Site Changes

- 4.6 In the event of a change in the physical site conditions or receptor characteristics at the Property that may affect the Risk Management Measures and/or any underlying basis for the Risk Management Measures, forthwith notify the Director of such changes and the steps taken, to implement, maintain and operate any further Risk Management Measures as are necessary to prevent, eliminate or ameliorate any Adverse Effect that will result from the presence on, in or under the Property or the discharge of any Contaminant of Concern into the natural environment from the Property. An amendment to the CPU will be issued to address the changes set out in the notice received and any further changes that the Director considers necessary in the circumstances.

### Reports

- 4.7 Retain a copy of any reports required under the CPU, the Risk Assessment and any reports referred to in the Risk Assessment (until otherwise notified by the Director) and within ten (10) days of the Director or a Provincial Officer making a request for a report, provide a copy to the Director or Provincial Officer.

### Property Requirement

- 4.8 For the reasons set out in the CPU and pursuant to the authority vested in me under subsection 197(1) of the Act, I hereby order you and any other person with an interest in the Property, before dealing with the Property in any way, to give a copy of the CPU, including any amendments thereto, to every person who will acquire an interest in the Property as a result of the dealing.

### Certificate of Requirement

- 4.9 Within fifteen (15) days from the date of receipt of a certificate of requirement issued under subsection 197(2) of the Act and as set out in Schedule 'F', register the certificate of requirement on title to the Property, in the appropriate land registry office.
- 4.10 Immediately after registration of the certificate of requirement, provide to the Director written verification that the certificate of requirement has been registered on title to the Property.

### Owner Change

- 4.11 While the CPU is in effect, the Owner shall forthwith report in writing, to the Director any changes of ownership of the Property, except that while the Property is registered under the Condominium Act, 1998, S.O.1998 c.19, no notice shall be given of changes in the ownership of individual condominium units or any appurtenant common elements on the Property.

## Financial Assurance

- 4.12 Financial Assurance is not required as long as the Owner of the Property is the City of Toronto or His Majesty the King in Right of Ontario as Represented by the Minister of Infrastructure.
- 4.13 If the Owner of the Property is not City of Toronto or His Majesty the King in Right of Ontario as Represented by the Minister of Infrastructure, then financial assurance shall be provided to the to the Crown in right of Ontario within fifteen (15) days from the date of transfer of the Property in the amount of one hundred and fifty-three thousand and two hundred dollars (\$153,200.00) in a form satisfactory to the Director and in accordance with Part XII of the Act.
- 4.14 A written report reviewing the financial assurance required by the CPU shall be included in the annual report referred to as Item 4.2 I. with an updated cost estimate with respect to the matters dealt with in Item 4.13 above.

## **Part 5: General**

- 5.1 The requirements of the CPU are severable. If any requirement of the CPU or the application of any requirement to any circumstance is held invalid, such finding does not invalidate or render unenforceable the requirement in other circumstances nor does it invalidate or render unenforceable the other requirements of the CPU.
- 5.2 An application under sub section 168.6(3) of the Act to,  
a. alter any terms and conditions in the CPU or impose new terms and conditions; or  
b. revoke the CPU;  
shall be made in writing to the Director, with reasons for the request.
- 5.3 The Director may alter the CPU under subsections 132(2) or (3) of the Act to change a requirement as to financial assurance, including that the financial assurance may be increased or reduced or released in stages. The total financial assurance required may be reduced from time to time or released by an order issued by the Director under section 134 of the Act upon request and submission of such supporting documentation as required by the Director.
- 5.4 Subsection 186(3) of the Act provides that failure to comply with the requirements of the CPU constitutes an offence.
- 5.5 The requirements of the CPU are minimum requirements only and do not relieve the Owner from,  
a. complying with any other applicable order, statute, regulation, municipal, provincial or federal law; or  
b. obtaining any approvals or consents not specified in the CPU.

- 5.6 Notwithstanding the issuance of the CPU, further requirements may be imposed in accordance with legislation as circumstances require. The Director shall also alter the CPU where the approval or acceptance of the Director is required in respect of a matter under the CPU and the Director either does not grant the approval or acceptance or does not grant it in a manner agreed to by the Owner.
- 5.7 In the event that, any person is, in the opinion of the Director, rendered unable to comply with any requirements in the CPU because of,
- a. natural phenomena of an inevitable or irresistible nature, or insurrections,
  - b. strikes, lockouts or other labour disturbances,
  - c. inability to obtain materials or equipment for reasons beyond your control, or
  - d. any other cause whether similar to or different from the foregoing beyond your control, the requirements shall be adjusted in a manner defined by the Director. To obtain such an adjustment, the Director must be notified immediately of any of the above occurrences, providing details that demonstrate that no practical alternatives are feasible in order to meet the requirements in question.
- 5.8 Failure to comply with a requirement of the CPU by the date specified does not absolve the Owner from compliance with the requirement. The obligation to complete the requirement shall continue each day thereafter.
- 5.9 In the event that the Owner complies with the provisions of Items 4.9 and 4.10 of the CPU regarding the registration of the certificate of requirement on title to the Property, and then creates a condominium corporation by the registration of a declaration and description with respect to the Property pursuant to the Condominium Act, 1998, S.O. 1998, c.19, as amended, and then transfers ownership of the Property to various condominium unit owners, the ongoing obligations of the Owner under this CPU can be carried out by the condominium corporation on behalf of the new Owners of the Property

## **Part 6: Information regarding a Hearing before the Ontario Land Tribunal**

- 6.1 Pursuant to section 139 of the Act, you may require a hearing before the Ontario Land Tribunal (the "Tribunal"), if within fifteen (15) days after service on you of a copy of the CPU, you serve written notice upon the Director and the Tribunal.
- 6.2 Pursuant to section 142 of the Act, the notice requiring the hearing must include a statement of the portions of the CPU and the grounds on which you intend to rely at the hearing. Except by leave of the Tribunal, you are not entitled to appeal a portion of the CPU, or to rely on a ground, that is not stated in the notice requiring the hearing.
- 6.3 Service of a notice requiring a hearing must be carried out in a manner set out in section 182 of the Act and Ontario Regulation 227/07: *Service of Documents*, made under the Act. The address, email address and fax numbers of the Director and the Tribunal are:



Registrar Ontario Land Tribunal  
655 Bay Street, Suite 1500  
Toronto, ON, M5G 1E5  
Email: OLT.Registrar@ontario.ca

and

Jimena Caicedo  
Ministry of the Environment, Conservation and Parks  
5775 Yonge Street, 8<sup>th</sup> Floor  
Toronto, Ontario  
M2M 4J1  
Fax: 416-326-5536  
Email: Environment.Toronto@ontario.ca

- 6.4 Unless stayed by the Tribunal under section 143 of the Act, the CPU is effective from the date of issue.
- 6.5 If you commence an appeal before the Tribunal, under section 47 of the Environmental Bill of Rights, 1993 (the “EBR”), you must give notice to the public in the EBR registry. The notice must include a brief description of the CPU (sufficient to identify it) and a brief description of the grounds of appeal.

The notice must be delivered to the Environmental Commissioner of Ontario who will place it on the EBR registry. The notice must be delivered to the Environmental Commissioner at 605-1075 Bay Street, Toronto, Ontario M5S 2B1 by the earlier of:

- 6.5.1 two (2) days after the day on which the appeal before the Tribunal was commenced; and
- 6.5.2 fifteen (15) days after service on you of a copy of the CPU.
- 6.6 Pursuant to subsection 47(7) of the EBR, the Tribunal may permit any person to participate in the appeal, as a party or otherwise, in order to provide fair and adequate representation of the private and public interests, including governmental interests, involved in the appeal.
- 6.7 For your information, under section 38 of the EBR, any person resident in Ontario with an interest in the CPU may seek leave to appeal the CPU. Under section 40 of the EBR, the application for leave to appeal must be made to the Tribunal by the earlier of:
- 6.7.1 fifteen (15) days after the day on which notice of the issuance of the CPU is given in the EBR registry; and

6.7.2 if you appeal, fifteen (15) days after the day on which your notice of appeal is given in the EBR registry.

6.8 The procedures and other information provided in this Part 6 are intended as a guide. The legislation should be consulted for additional details and accurate reference. Further information can be obtained from e-Laws at [www.ontario.ca/laws](http://www.ontario.ca/laws).

Issued at Toronto this XX<sup>th</sup> day of XXXX 2023.

**DRAFT**

Jimena Caicedo  
Director, section 168.6 of the Act

## Schedule 'A'

### Property Specific Standards (Soil) and Fill Cap Target Concentration for each Contaminant of Concern

Contaminants of Concern (COC)	Property Specific Standards for Soil (µg/g)	Property Specific Standards for Groundwater (µg/L)
Acenaphthene	10	39
Acenaphthylene	3.5	NA
Anthracene	31	7.6
Antimony	90	NA
Arsenic	190	NA
Barium	1200	NA
Benzene	1.3	590
Benzo(a)anthracene	38	3.0
Benzo(a)pyrene	26	1.8
Benzo(b&j)fluoranthene	33	2.2
Benzo(g,h,i)perylene	14	0.96
Benzo(k)fluoranthene	13	0.85
Boron	330	NA
Boron (HWS)	130	NA
Cadmium	8.8	NA
Chloroform	0.064	NA
Chromium, hexavalent	1.3	NA
Chrysene	36	3.0
Copper	4500	NA
Dibenzo[a,h]anthracene	4.1	NA
Dichloroethene, 1,2-cis	NA	9.9
Electrical Conductivity	2.6	NA
Ethylbenzene	0.42	NA
Fluoranthene	94	NA
Fluorene	20	NA
Hexane, n-	0.30	NA
Indeno[1 2 3-cd]pyrene	13	1.2
Lead	8900	33
Mercury	0.61	NA
Methyl Mercury	0.00013	NA
Methylnaphthalenes, 2-(1)-	3.9	NA
Molybdenum	3.8	NA
Naphthalene	14	180
PHC F1	NA	810
PHC F2	1000	460
PHC F3	12,000	NA
PHC F4	16,000	NA
Phenanthrene	140	NA
Pyrene	81	8.2
Selenium	4.6	NA
Tetrachloroethene	1.1	1.8
Toluene	1.1	NA
Trichloroethylene	0.76	1.9
Vinyl Chloride	NA	4.4
Xylenes, total	1.3	NA
Zinc	2800	NA

**Schedule 'B'**

**Air Trigger Levels for All Parkland Use Buildings**

<b>Contaminants of Concern (COC)</b>	<b>Indoor Air Trigger Levels (µg/m<sup>3</sup>)</b>	<b>Soil Vapour Trigger Levels (µg/m<sup>3</sup>)</b>
Benzene	0.51	25
Naphthalene	0.77	39
PHC F1	240	12,000
Aliphatic C6-C8	310	16,000
Aliphatic C>8-C10	100	5200
Aromatic C>8 – C10	26	1300
PHC F2	96	4800
Aliphatic C>10-C12	100	5200
Aliphatic C>12-C16	100	5200
Aromatic C>10 – C12	26	1300
Aromatic C>12 – C16	26	1300
Tetrachloroethylene	4.3	210
Trichloroethylene	0.27	14
Vinyl Chloride	0.13	6.6

**Schedule 'C'**

**Air Trigger Levels for All Community Use Buildings**

<b>Contaminants of Concern (COC)</b>	<b>Indoor Air Trigger Levels (µg/m<sup>3</sup>)</b>	<b>Soil Vapour Trigger Levels (µg/m<sup>3</sup>)</b>
Benzene	1.6	81
Naphthalene	2.6	130
PHC F1	810	40,000
Aliphatic C6-C8	1100	54,000
Aliphatic C>8-C10	360	18,000
Aromatic C>8 – C10	89	4500
PHC F2	330	17,000
Aliphatic C>10-C12	360	18,000
Aliphatic C>12-C16	360	18,000
Aromatic C>10 – C12	89	4500
Aromatic C>12 – C16	89	4500
Tetrachloroethylene	14	690
Trichloroethylene	0.87	44
Vinyl Chloride	0.81	41

### Schedule 'D'

#### Indoor Air Sampling Requirements

Building Area (m <sup>2</sup> )	Minimum Number of Samples
Up to 500	2
>=500 to 1000	3
>=1000	One additional sample per every 1000 m <sup>2</sup> over 1000 m <sup>2</sup>

### Schedule 'E'

#### Sub Slab Soil Vapour Sampling Requirements

Building Area (m <sup>2</sup> )	Density Over Building Area	Minimum Number of Samples
Up to 500	One per 100 m <sup>2</sup>	3
>=500 to 2000	One additional per every 500 m <sup>2</sup> over 500 m <sup>2</sup>	5
>=2000 to 5,000	One additional sample per every 1000 m <sup>2</sup> over 2,000 m <sup>2</sup>	8
>=5,000	One additional sample per every 2000 m <sup>2</sup> over 5,000 m <sup>2</sup>	11

**Schedule 'F'**

**CERTIFICATE OF REQUIREMENT**

**s.197(2)**

***Environmental Protection Act***

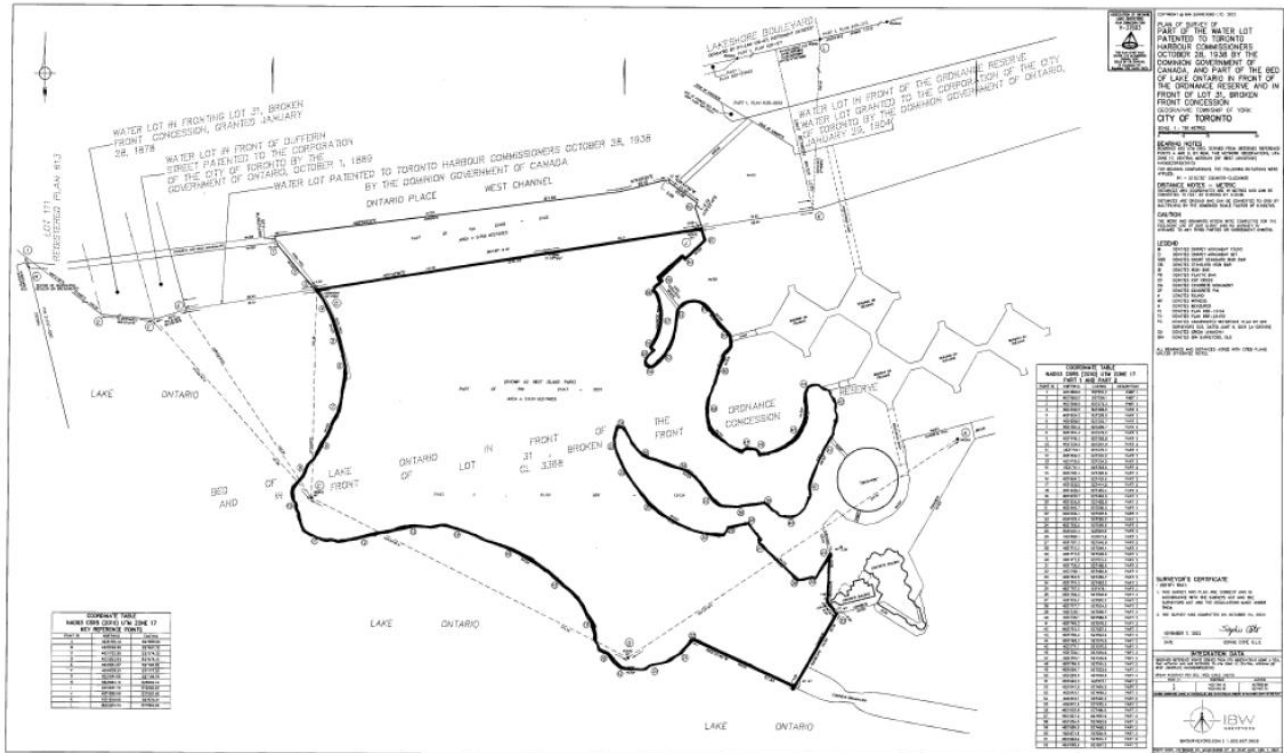
This is to certify that pursuant to Item 4.9 of Certificate of Property Use number 6542-CXZNXT issued by Jimena Caicedo, Director of the Ministry of the Environment, Conservation and Parks, under sections 168.6 and 197 of the Environmental Protection Act, on XXXXX, 2023, being a Certificate of Property Use and order under subsection 197(1) of the Environmental Protection Act relating to the Property municipally known as 955 Lake Shore Blvd. West (West Island of Ontario Place), Toronto being part of Property Identifiers 21417-0001 (LT), (the "Property") with respect to a Risk Assessment and certain Risk Management Measures and other preventive measure requirements on the Property

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MINISTER OF INFRASTRUCTURE**

and any other persons having an interest in the Property, are required before dealing with the Property in any way, to give a copy of the Certificate of Property Use, including any amendments thereto, to every person who will acquire an interest in the Property.

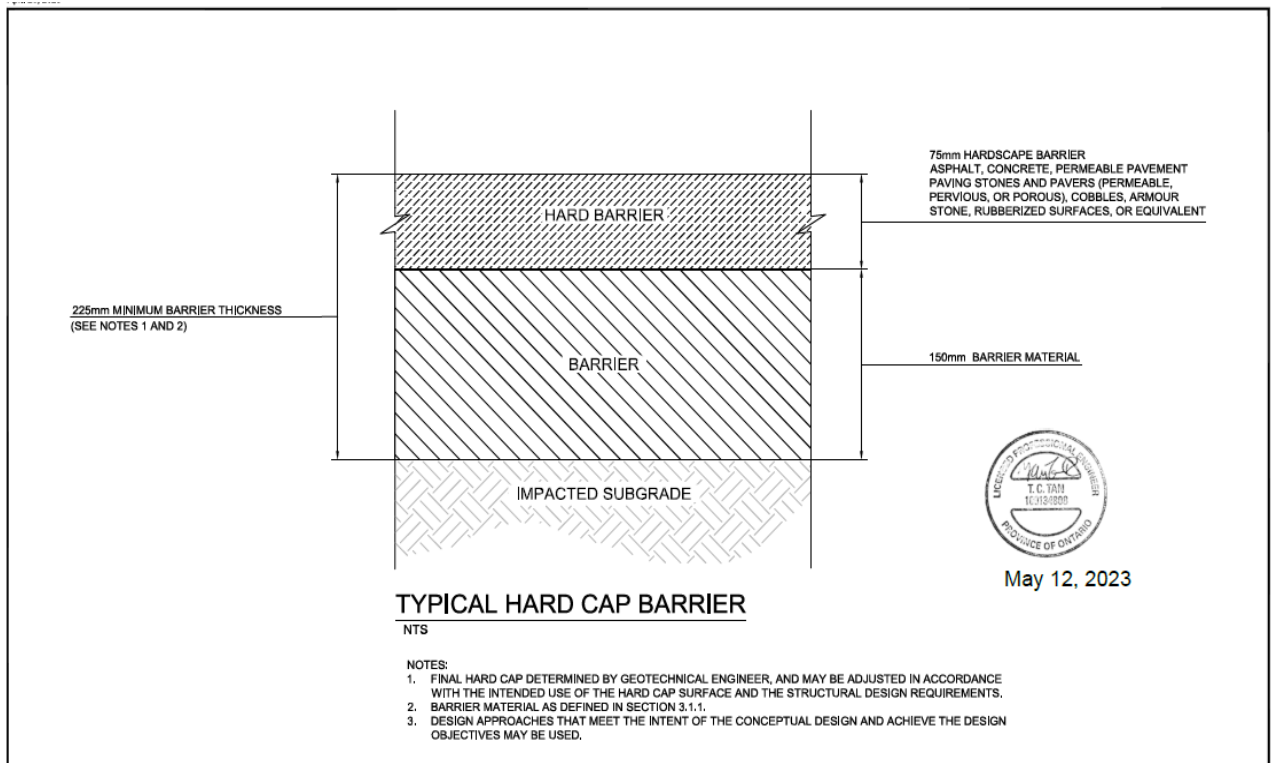
Under subsection 197(3) of the Environmental Protection Act, the requirement applies to each person who, subsequent to the registration of this certificate, acquires an interest in the Property.

# Plan of Survey





**Figure I-1**



**Figure I-1**  
Conceptual Design of  
Typical Hard Cap Barrier

Ontario Place West Island,  
Toronto, Ontario

NOT TO SCALE  
CE813600\_F001b.rtg



Figure I-2

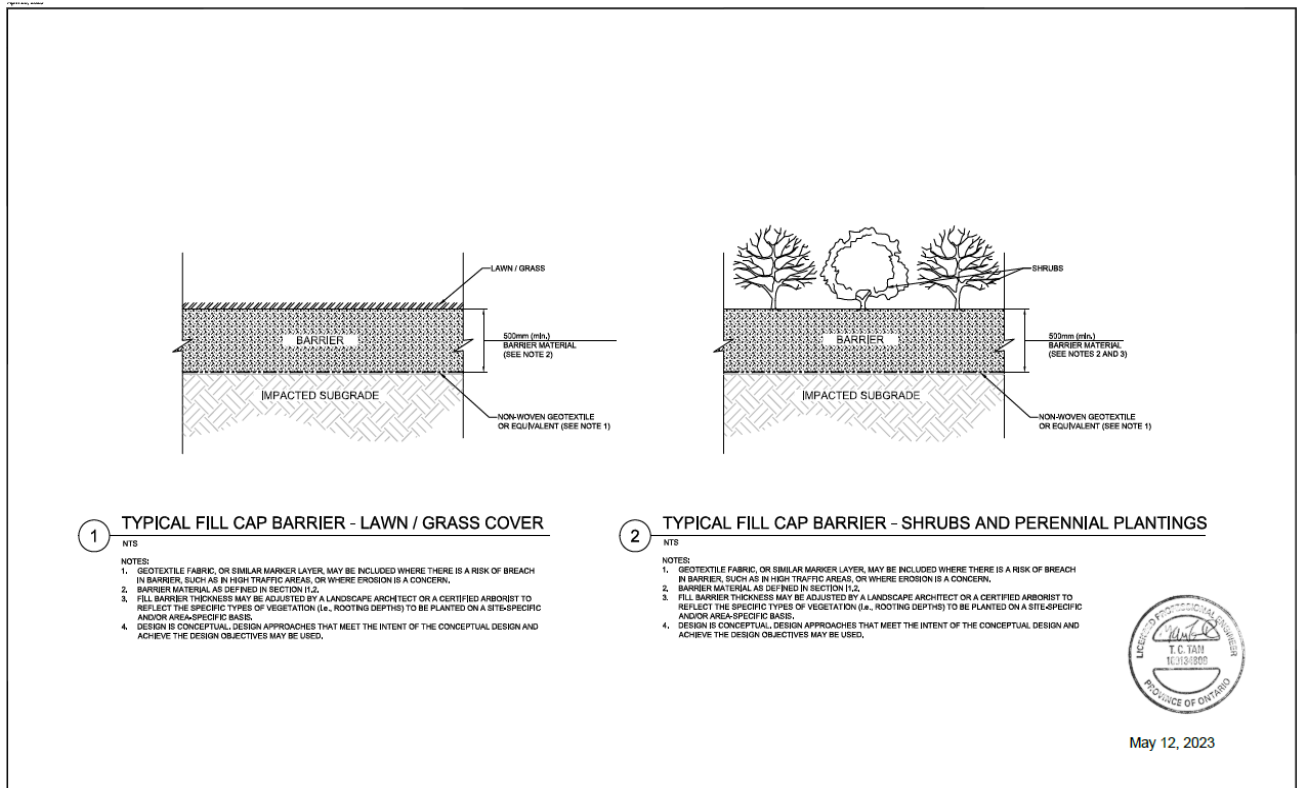


Figure I-2  
Conceptual Design of Typical Fill Cap Barrier Vegetation  
Protective Cover

Ontario Place West Island,  
Toronto, Ontario

Jacobs

NOT TO SCALE  
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Figure I-3

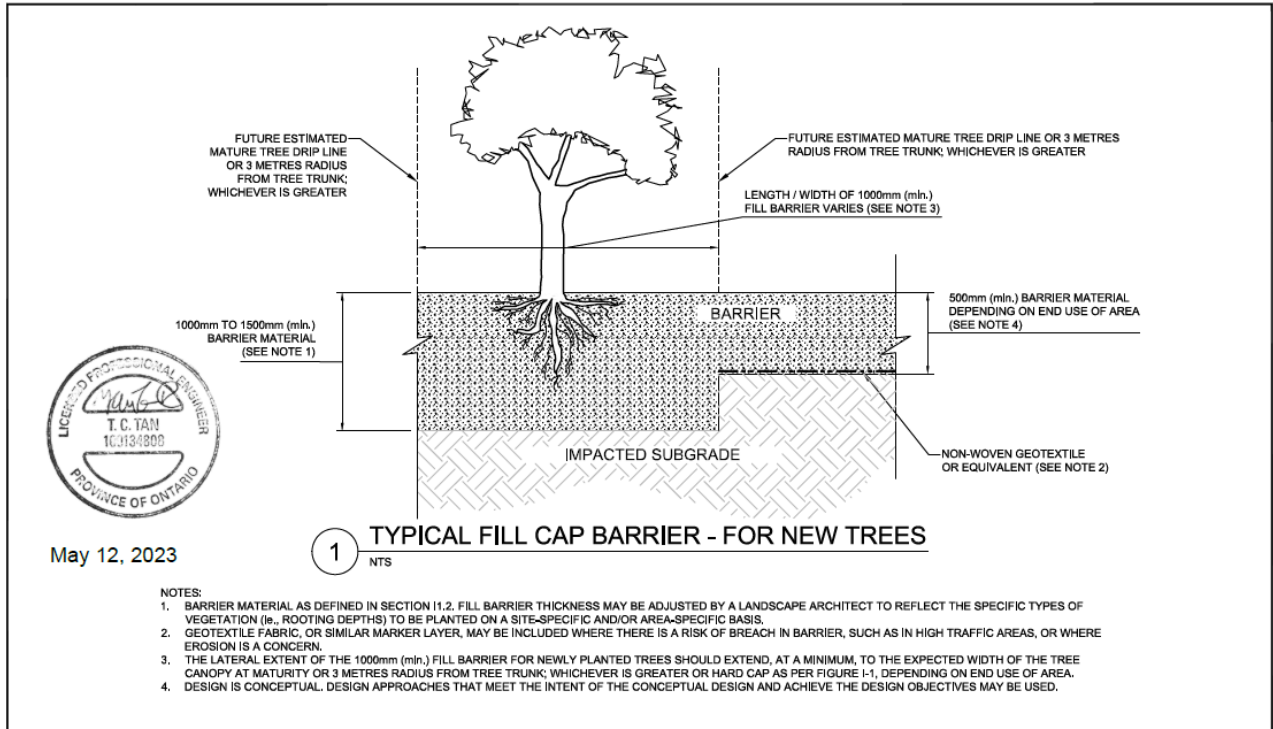


Figure I-3  
Conceptual Design of Typical Fill Cap Barrier  
New Treed Areas

Ontario Place West Island,  
Toronto, Ontario

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CE813600\_F003b.dwg

Jacobs

Figure I-4

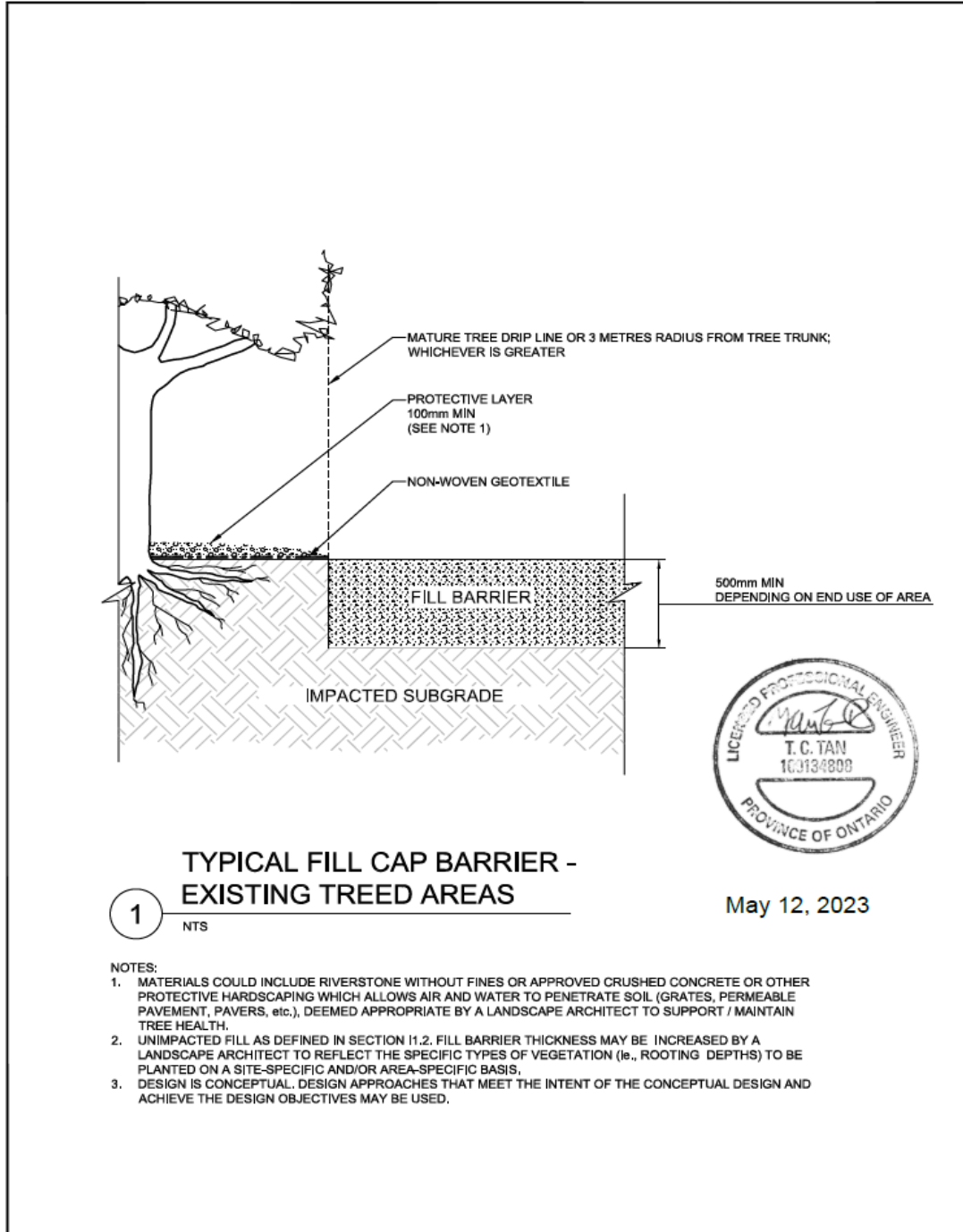


Figure I-4  
Conceptual Design of Typical Fill Cap Barrier  
Existing Treed Areas

Ontario Place West Island,  
Toronto, Ontario

NOT TO SCALE  
CE813600\_F014c.dwg

**Jacobs**

Figure I-5

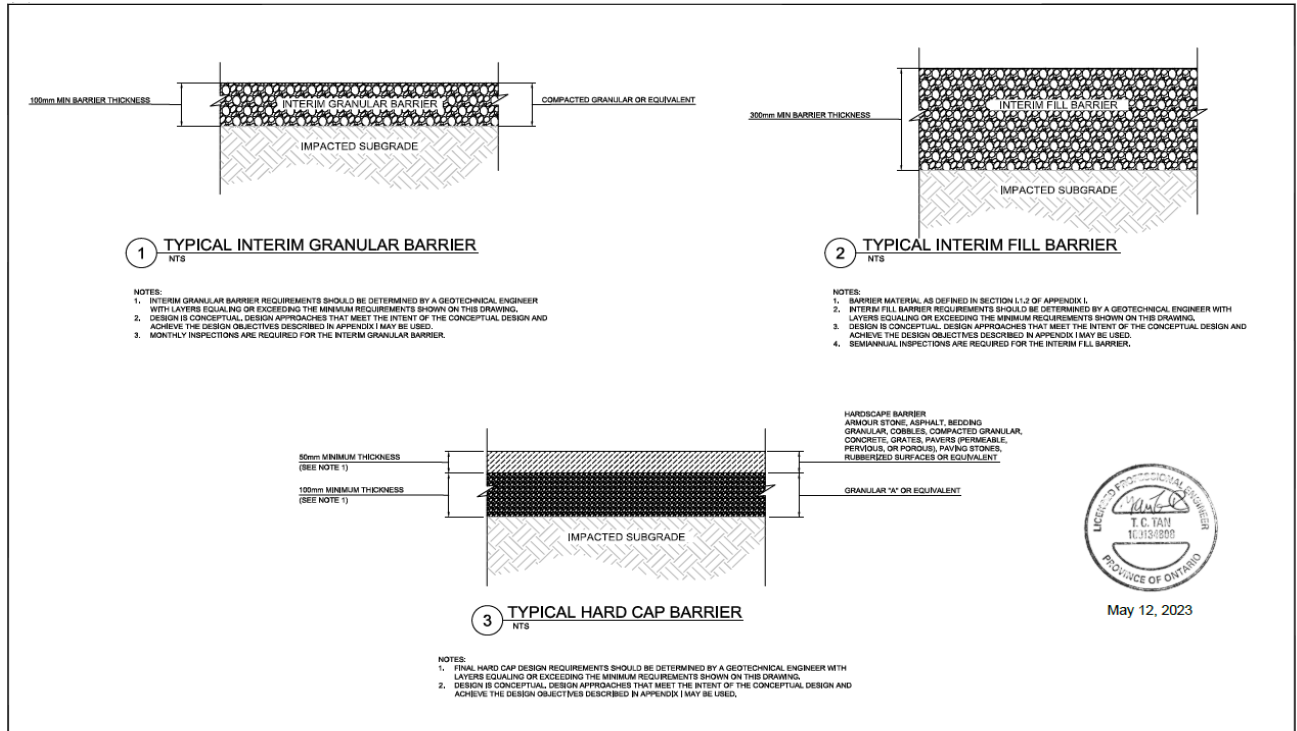


FIGURE I-5  
Conceptual Design of Interim Cap Barrier

Ontario Place West Island,  
Toronto, Ontario

JACOBS

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Figure I-6

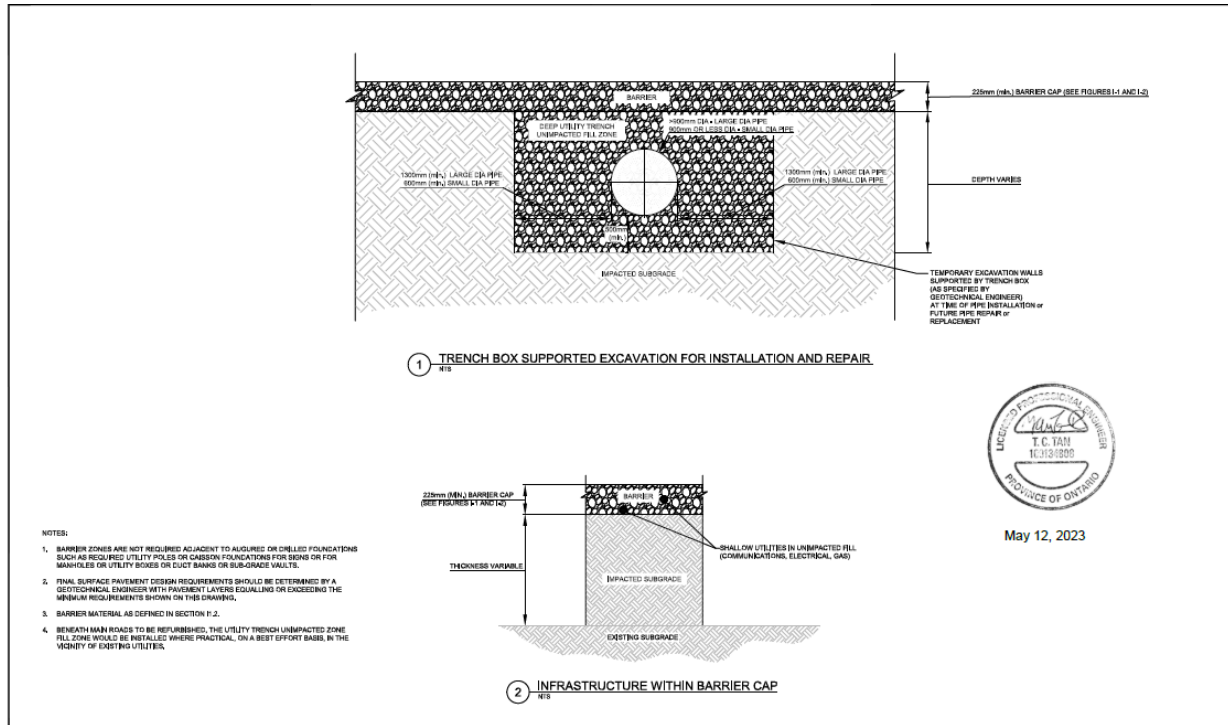


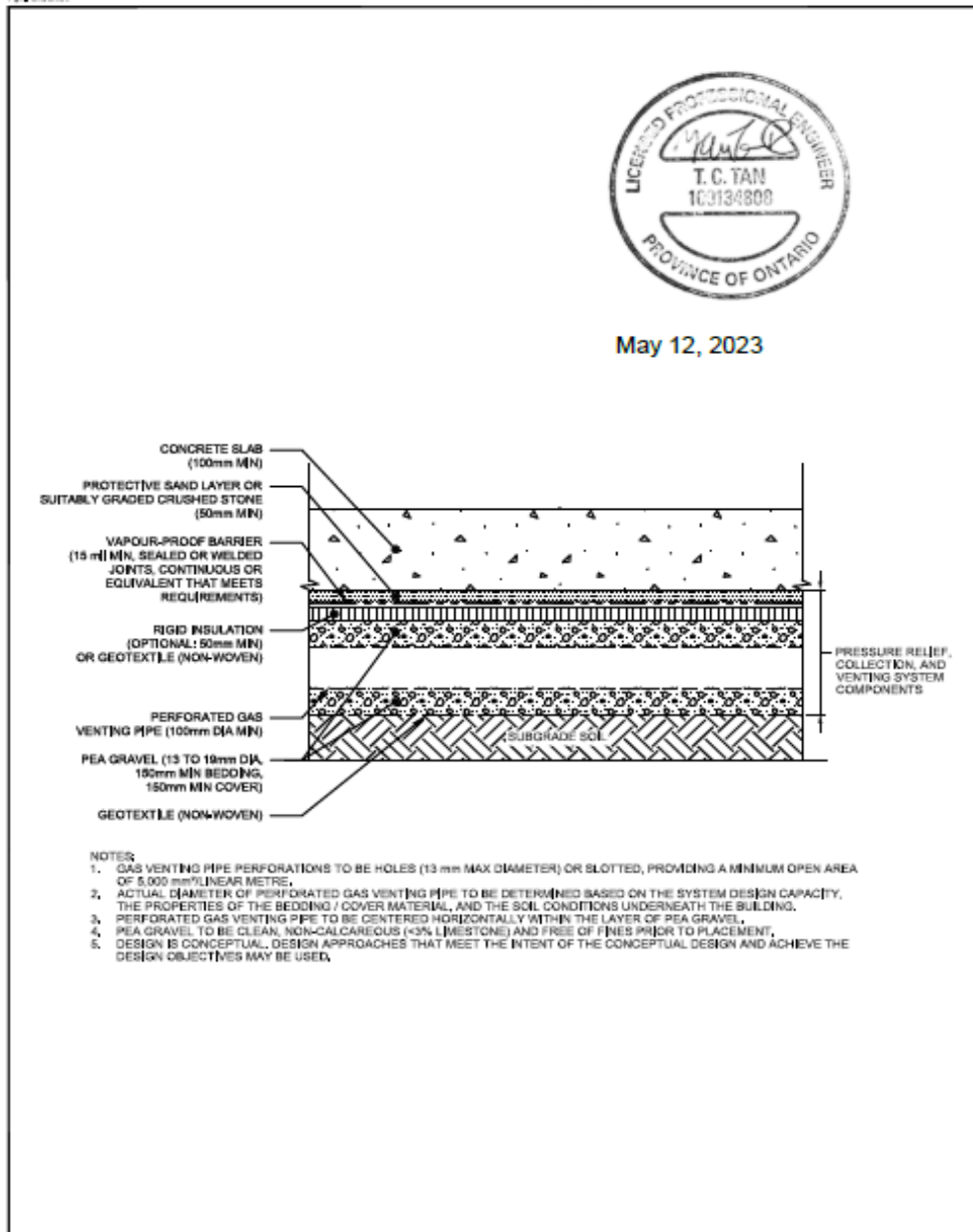
Figure I-6  
Conceptual Design of Typical FII Cap Banker  
Utility Construction

Ontario Place West Island,  
Toronto, Ontario



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Figure I-7



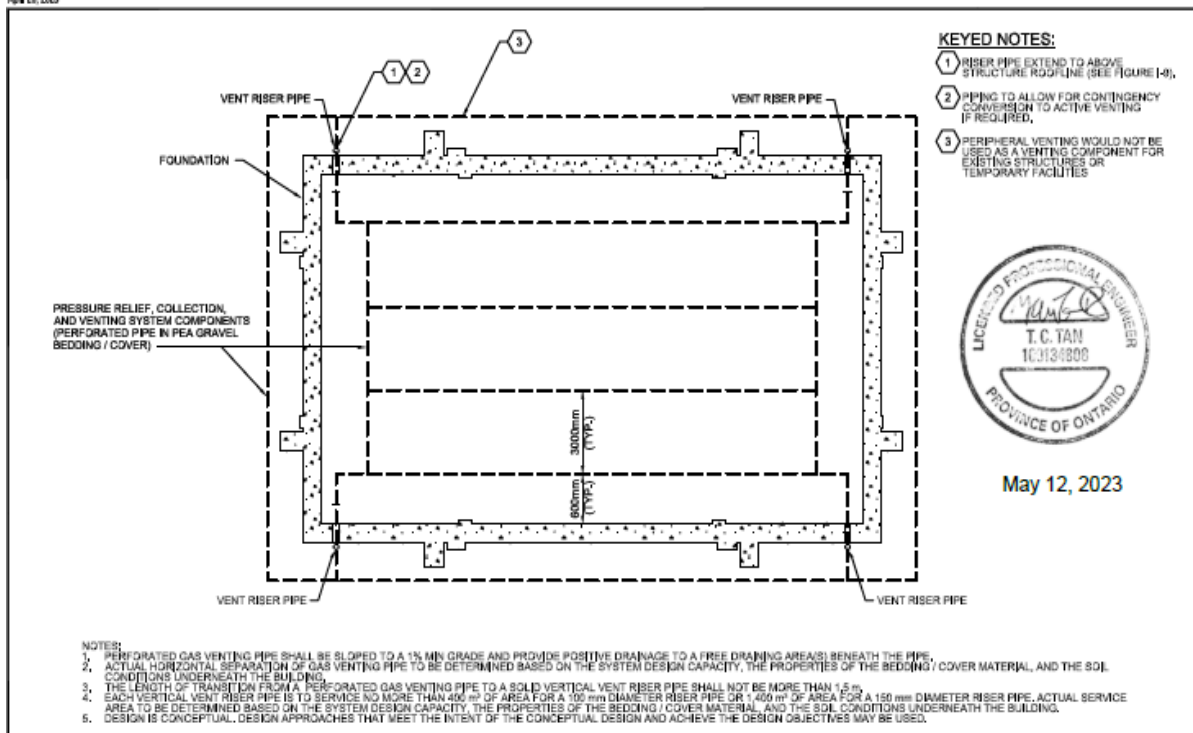
**Figure I-7**  
 Conceptual Design In Cross-Section View  
 Passive Relief, Collection, and Venting System

Ontario Place West Island,  
 Toronto, Ontario

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**JACOBS**

Figure I-8



**Figure I-8**  
 Conceptual Design In Plan View  
 Pressure Relief, Collection, and Venting System

Ontario Place West Island,  
 Toronto, Ontario



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Figure I-9

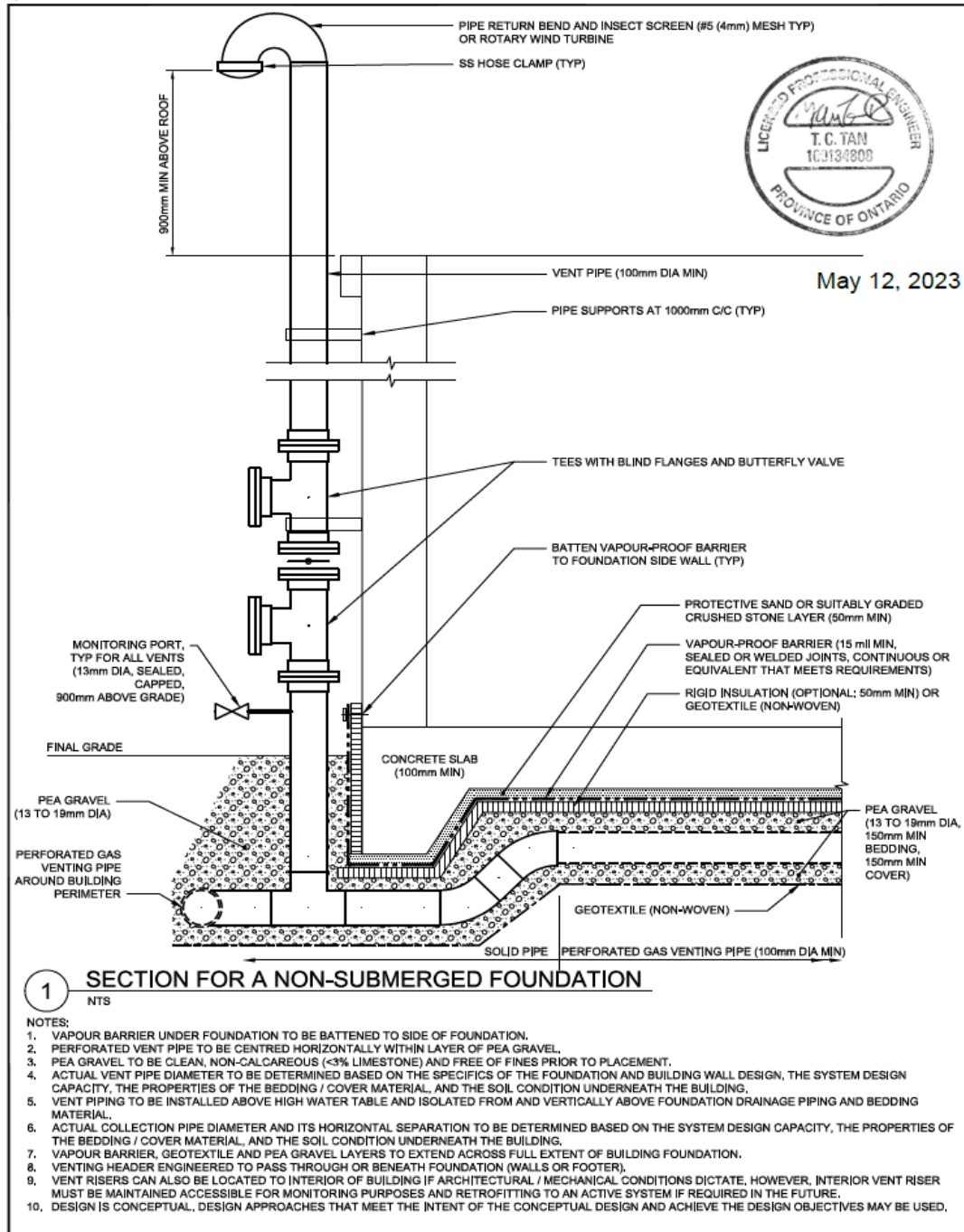


Figure I-9  
Conceptual Design for Unsaturated Conditions  
Passive Relief, Collection, and Venting System

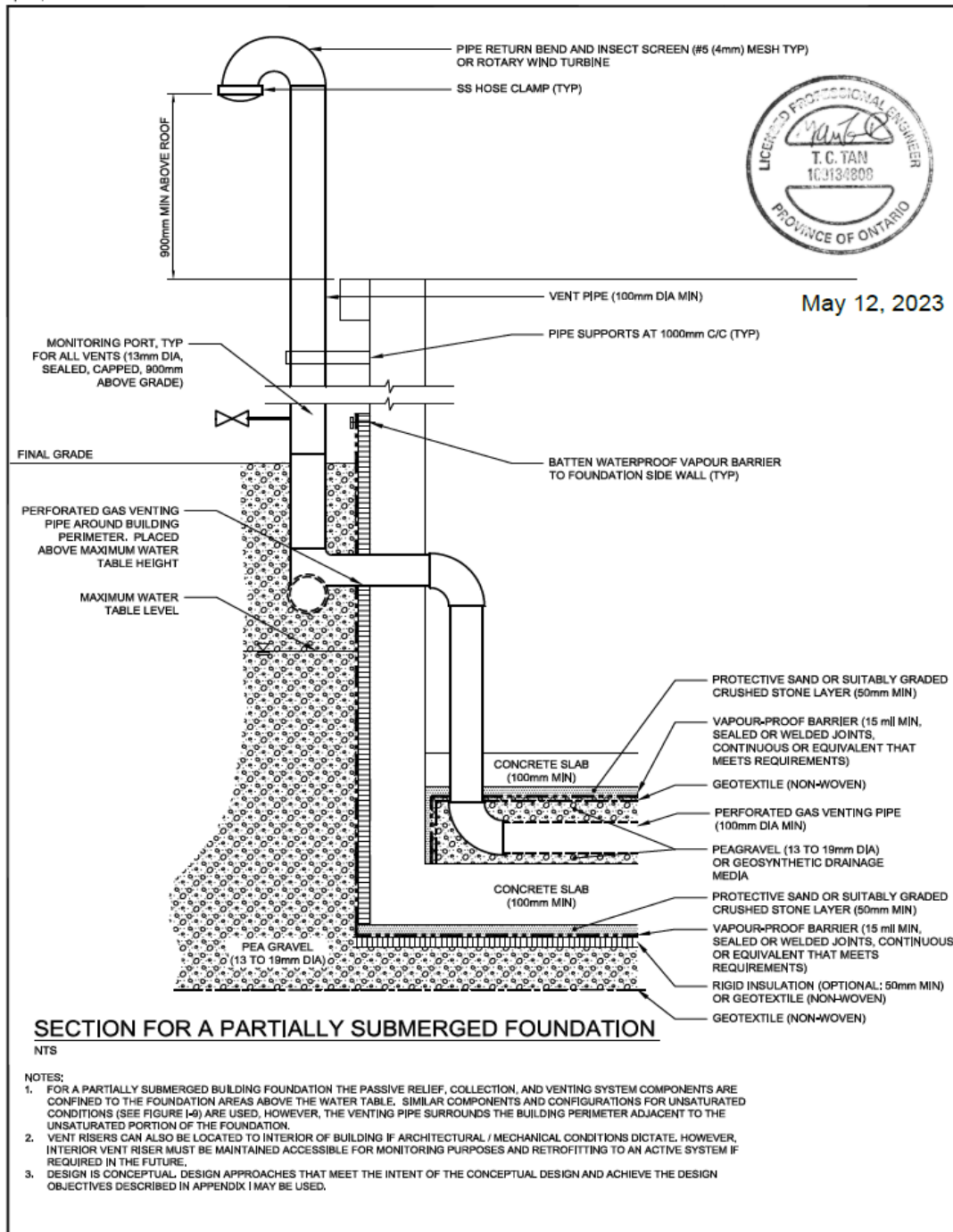
Ontario Place West Island,  
Toronto, Ontario

NOT TO SCALE

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**JACOBS**

Figure I-10



**FIGURE I-10**  
Conceptual Design for Saturated Conditions  
Passive Relief, Collection, and Venting System

Ontario Place West Island,  
Toronto, Ontario

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**JACOBS**

Figure I-13

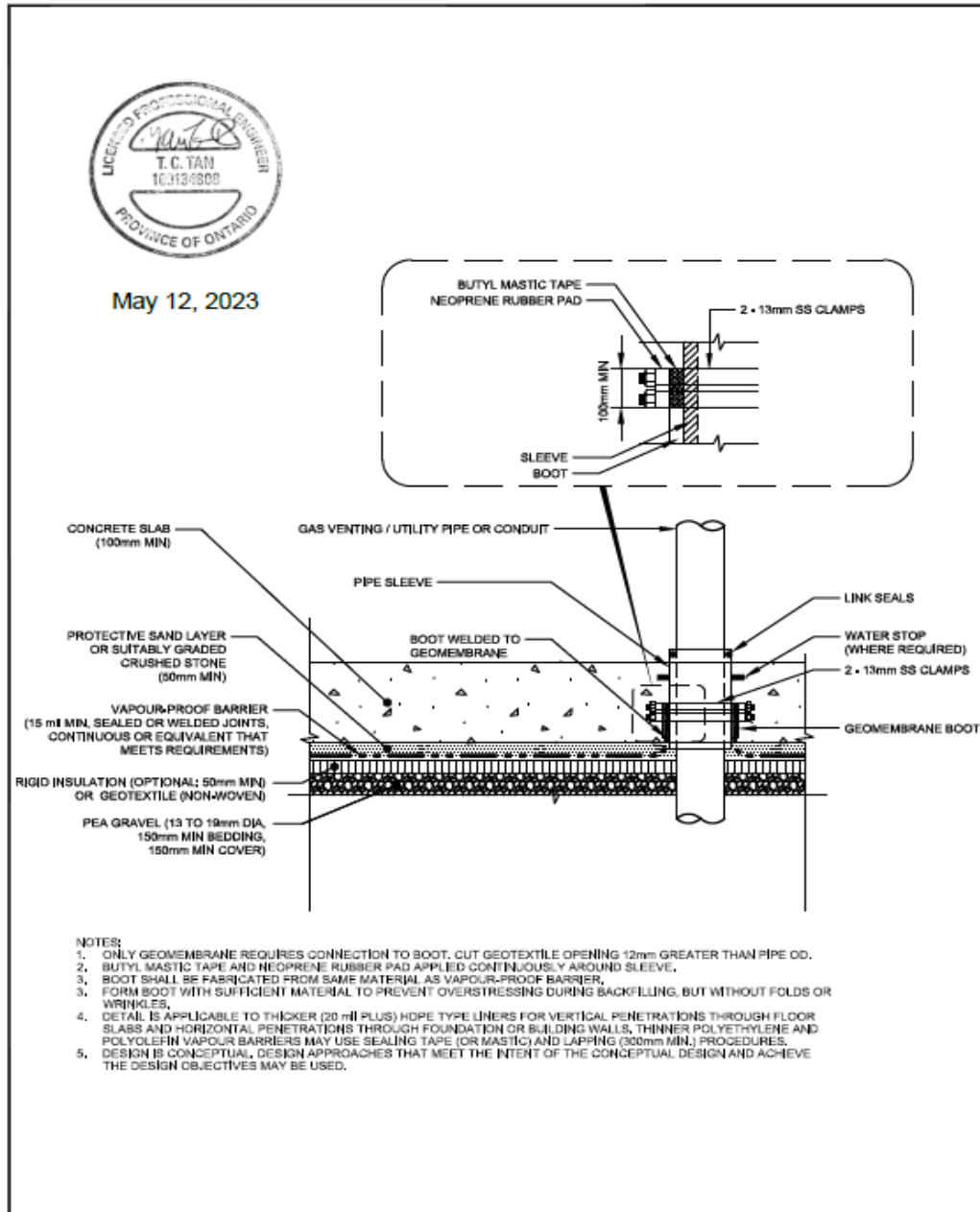


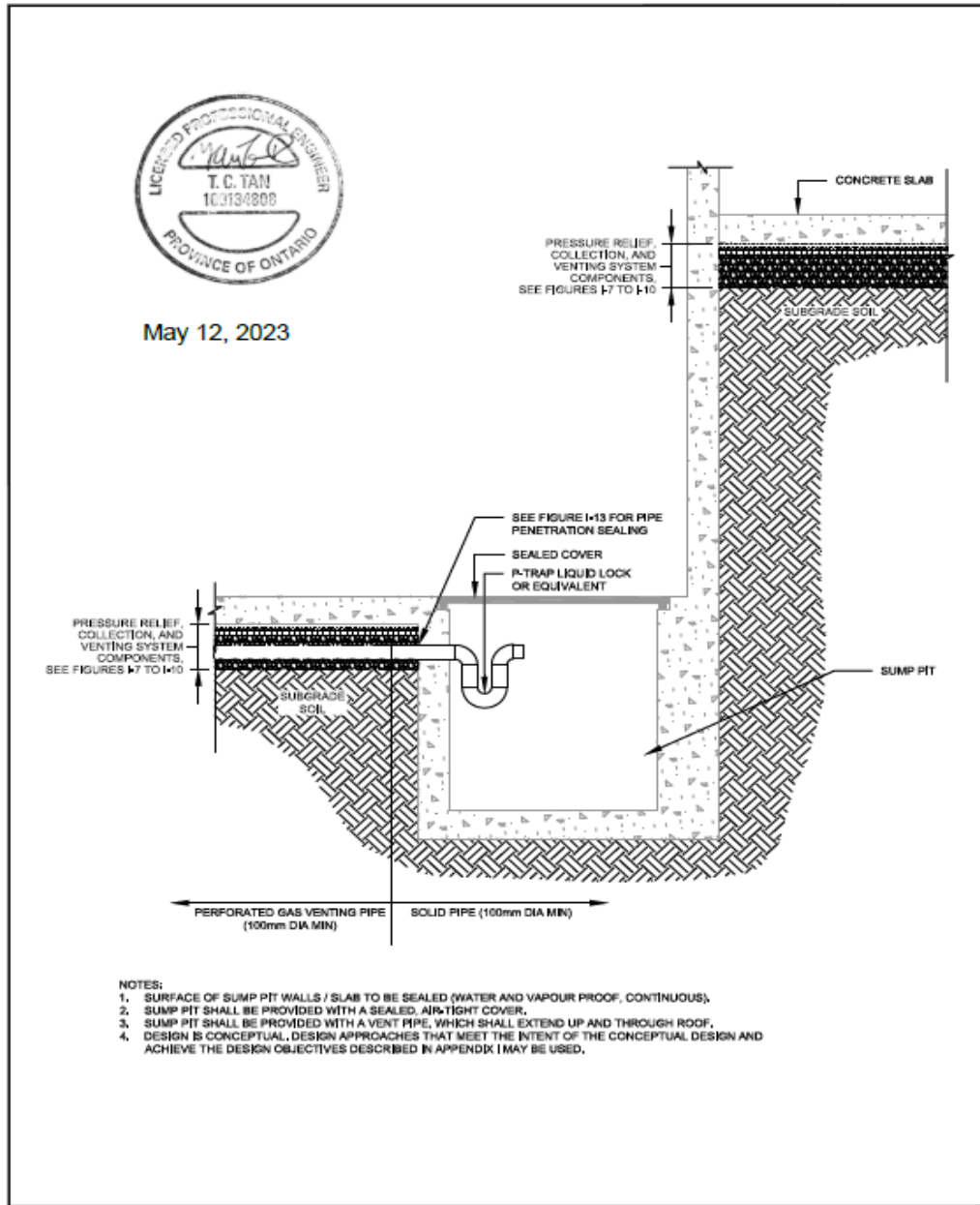
Figure I-13  
Conceptual Design for Conduit and Pipe Penetrations  
Passive Relief, Collection, and Venting System

Ontario Place West Island,  
Toronto, Ontario

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**JACOBS**

Figure I-14



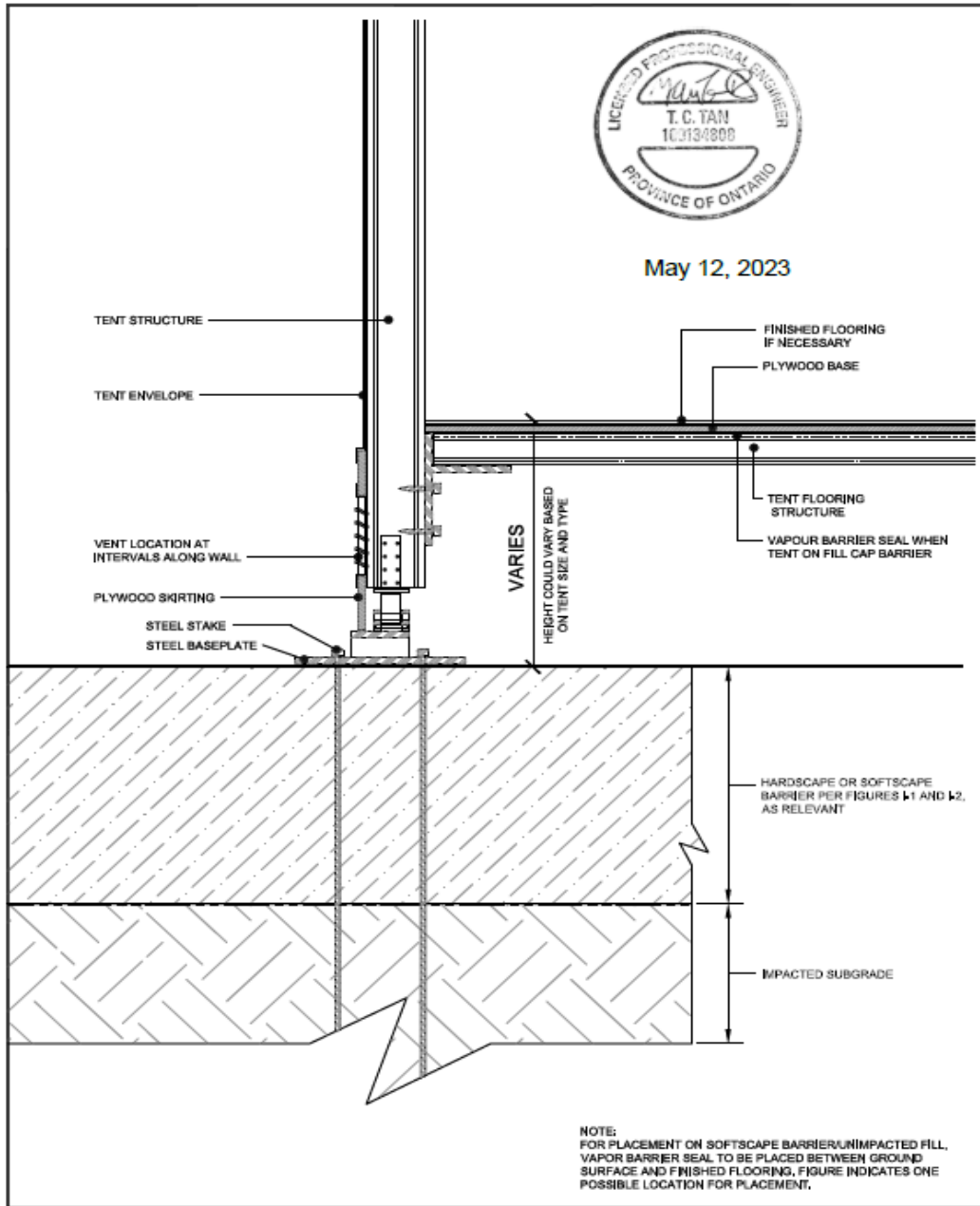
**FIGURE I-14**  
 Conceptual Design for Pipe Entry Into Sump  
 Passive Relief, Collection, and Venting System

Ontario Place West Island,  
 Toronto, Ontario

NOT TO SCALE  
 CE813600\_F0179vAwg



Figure I-15



**Figure I-15**  
 Conceptual Design of Vapour Mitigation System for Temporary Tent Structures

Ontario Place West Island,  
 Toronto, Ontario

NOT TO SCALE  
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