

## 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 2567-BTHKN8  
Risk Assessment number 1052-AFYS6K

**Owner:** Her Majesty the Queen in right of Ontario as represented by the Minister of  
Infrastructure  
Suite 2000 - 1 Dundas Street West  
Toronto, ON M5G 1Z3

**Site:** 153 Eastern Avenue (Block 26, West Don Lands), Toronto

with a legal description as follows:

Block 26, Plan 66M2488, City of Toronto

Being all of PIN 21077-0322 (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 | No  |

- e. Other: Maintaining a barrier to site soils, and preparing and implementing a soil 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 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 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, as amended.

“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 the Ontario Regulation 332/12; ‘Building Code’ as amended January 1, 2020.

“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” 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 2567-BTHKN8.

"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, as amended.

“Licenced 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.

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

“O. Reg. 347/90 means Ontario means R.R.O. 1990, Regulation 347 General - Waste Management” as amended, 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, as amended.

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

“Property Specific Standards” or “PSS” 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 license, limited license or temporary license 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 1052-AFYS6K accepted by the Director on September 16, 2020 and set out in the following documents:

- Report entitled "153 Eastern Avenue, West Don Lands, Toronto, Ontario, Risk Assessment" prepared by CH2M Hill Canada Ltd., dated June 2017;
- Report entitled "Revised Draft, 153 Eastern Avenue, West Don Lands, Toronto, Ontario, Risk Assessment" prepared by CH2M Hill Canada Ltd., dated August 2018;
- Report entitled "RE: Addendum to the report entitled Revised Risk Assessment for 153 Eastern Avenue, Toronto, Ontario" prepared by CH2M Hill Canada Ltd., dated June 26, 2019;
- Report entitled "Revised Draft, 153 Eastern Avenue, West Don Lands, Toronto, Ontario, Risk Assessment" prepared by CH2M Hill Canada Ltd., dated March 2020; and
- Report entitled "Revised Draft, 153 Eastern Avenue, West Don Lands, Toronto, Ontario, Risk Assessment" prepared by CH2M Hill Canada Ltd., dated August 2020.

"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 in 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 Environmental Review Tribunal.

"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 Licenced 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 wind-driven turbines to support passive venting, or active venting if required as per Risk Assessment.

## **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: “residential 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 3** (and **Table 7** for volatiles in groundwater) of the ***Soil, Ground water and Sediment Standards for Use under Part XV.1 of the Act*** published by the Ministry and dated April 15, 2011 for coarse textured soils or for which there are no such standards are defined as the Contaminants of Concern. The Property Specific Standards for the Contaminants of Concern are set out in Schedule “A”, air trigger levels are set out in Schedule ‘B’ and groundwater trigger levels are set out in Schedule ‘C’ attached to and forming part of the CPU and the following figures:
- Plan of Survey (66M-2488) with the Property outlined shaded in red; and
  - Figures I-1, I-2, I-3, I-4, I-5, I-6, I-7, I-8, I-9, I-10, I-11, I-12, I-13 and 7-2.

- 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 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:

### Risk Management Measures

- 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. 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 cap, utility trench/corridor and/or fence as specified below:
    - i. Prohibition of the planting of fruit and vegetables plants on the Property for consumption, other than those planted in above ground containers (using top soil products) such that they are isolated from the site soils.
    - ii. Hard cap on the Property shall have a minimum depth of 225 mm consisting of asphalt, armour stone, cobbles, concrete, grates, pavers, paving stones, and rubberized surfaces underlain by granular fill (as illustrated by figure I-1 of the CPU).
    - iii. Fill caps on the Property shall consist of a minimum thickness of 1.0 m consisting of soil meeting the Residential/Parkland/Institutional property use standards within **Table 3** 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 (as illustrated by figure I-2, detail 1 of the CPU).
    - iv. Fill caps for any deep rooting plants (including trees or deep rooting shrubs) that have a rooting depth deeper than 1.0 m shall have a planting hole excavated to the mature tree dripline or 3 m radius from the tree trunk (whichever is greater) to a minimum depth of 1.5 m to support the root structure with soil meeting the Residential/Parkland/Institutional/Industrial property use standards within **Table 3** 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 (as illustrated by figure I-2, detail 2 and figure I-3, detail 1 of the CPU).
    - v. Caps for existing trees shall include a 3.0 m radius around the existing tree trunk or to the mature tree dripline (whichever is greater) with a minimum

- thickness of 150 mm consisting of river stone, pavers, or grates (as illustrated by figure I-3, detail 2 of the CPU).
- vi. Utility trenches or corridors that can provide a preferential path for groundwater shall contain a trench plugs, anti-seep collars, trench liner, watertight shoring, slurry or controlled low strength trench backfill.
  - vii. For portion(s) of the Property, not under development or not in use, these areas shall have 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.
- b. 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 fence barrier, Storage Garage and Building foundations) as long as the Contaminants of Concern are present on the Property. The inspection program shall include, at a minimum, semi-annual (every six months) inspections of the barrier to site soils integrity. Any barrier to site soils deficiencies shall be repaired forthwith. Inspection, deficiencies and repairs shall be recorded in a log book maintained by the Owner and made available upon request by a Provincial Officer.
- c. A soil management and groundwater control plan shall be prepared for the Property and implemented during any activities potentially coming in contact with or exposing site soils. 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 PSS or applicable generic standards shall follow the 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 soil meeting the PSS may be placed on-site below 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 3** 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. Record keeping including dates and duration of work, weather and site



conditions, location and depth of excavation activities, dust control measures, stockpile management and drainage, soil characterization results, names of the Qualified Person, contractors, haulers and receiving sites for any soil or contaminated ground water removed from the Property and any complaints received relating to site activities potentially coming in contact with or exposing site soils and ground water.

- d. 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 soil or ground water 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 and 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, occupational hygiene requirements, requirements for personal protective equipment, and 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 methane and contaminated soil and ground water. Implementation of the health and safety plan shall be overseen by persons 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 the Ministry upon request.
- e. Refrain from constructing any Building on, in or under the Property unless the Building includes a Storage Garage, as defined in Building Code (and illustrated in figure I-11 of the CPU) and meets the following requirements:
  - i. All below Grade components of the Storage Garage shall include a Vapour Barrier and the sealing of all sumps and penetrations into the Building;
  - ii. The Storage Garage area covers the entire Building Area at Grade;
  - iii. The Storage Garage is in compliance with all applicable requirements of the Building Code, including, without limitation, the provisions governing the following:
    - 1. design of the mechanical ventilation system as set out in Division B, subsection 6.2.2.3, Ventilation of Storage and Repair Garages;
    - 2. interconnection of air duct systems as set out in Division B, subsection 6.2.3.9 (2); and,
    - 3. air leakage as set out in Division B, section 5.4.
  - iv. The mechanical ventilation system for the Storage Garage is designed to provide, during operating hours a continuous supply of outdoor air at a rate of not less than 3.9 litres per second for each square metre of floor area or be activated on an as-needed basis by carbon monoxide or nitrogen dioxide monitoring devices as required by the Building Code.
- f. Refrain from constructing any Building on, in or under the Property other than a Building that meets the requirements of Item 4.2 e. unless the Building contains a vapour mitigation system as follows:

- i. All unoccupied Building(s) constructed on the Property and used as a storage shed shall include sealing of foundation penetrations, joints and all cracks within floor slab with a Vapour Barrier beneath the floor Slab (as illustrated by figure I-11).
  - ii. All Building(s) (other than unoccupied Building(s) used as a storage shed) on the Property include the sealing of foundation penetrations and sumps, a Vapour Barrier, Sub Slab Vapour Venting Layer and Venting Components including suction pits (or plenum boxes) or vapour cut-off-trench as described in the Risk Assessment (and as illustrated in figures I-4, I-5, I-6, I-7, I-8, I-9, I-10 and I-12 of the CPU).
  - iii. The Owner shall retain a copy of all Vapour Barrier, Sub Slab Vapour Venting Layer and Venting Component as-built drawings signed by a Professional Engineer along with the proposed testing and performance requirements for the Vapour Barrier, Sub Slab Vapour Venting Layer and Venting Component of any building on the Property for inspection by a Provincial Officer.
  - iv. 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 log book. Any holes, cracks or penetrations shall be repaired and sealed immediately and recorded in a log book.
  - v. 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.
- g. The air monitoring requirements on the Property is to commence prior to occupancy of any Building. All air monitoring programs shall be done in accordance to USEPA Method TO-15 for the Contaminants of Concerns listed in Schedule 'B' of the CPU. The air monitoring program shall be carried out as follows:
- i. The indoor air monitoring for any unoccupied Building on the Property used as a storage shed or contains a Storage Garage below occupied portion of the Building shall be a one-time indoor air monitoring event unless Item (v) apply and indoor air monitoring has to be repeated in accordance to item (v).
  - ii. All indoor air monitoring shall be done with a summa canister, using a 24-hour regulator (or 8 hour regulator for Storage Garage, commercial Building or storage shed using the commercial indoor air and soil vapour trigger levels in Schedule 'C') and the outdoor air sample shall be done in accordance with The Ministry's "Operations Manual for Air Quality Monitoring in Ontario", dated January 2018 for the Contaminants of Concern.
  - iii. The indoor air monitoring and sub-slab soil vapour monitoring for all Building(s) on the Property (other than a unoccupied Building used as a storage shed or a Building that contains a Storage Garage below occupied portion of the Building) shall be carried out on a quarterly basis (every three months) for the first year, and tri-annually (every four months) for the second year and thereafter until such time as the Director, upon application by the

- Owner, has reviewed the data available and either alters or revokes the CPU.
- iv. Sampling locations for the soil vapour probes and for indoor air sampling locations 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 indoor air or sub slab vapour samples per Building Area is one per 150 m<sup>2</sup> for Building Area up to 1000 m<sup>2</sup> and one per 250 m<sup>2</sup> for Building Area greater than 1000 m<sup>2</sup>.
  - iii. If the air concentration for any Contaminants of Concern exceeds Schedule 'B' for any trigger level, the Owner shall immediately notify the Director in writing of the exceedance along with a copy of the soil vapour 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.
  - iv. The Owner shall keep a copy of all sampling data and records available for inspection by a Provincial Officer upon request.
  - v. If the air concentration for the Contaminants of Concern exceed Schedule 'B' for any trigger level, then indoor air and 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 exceed Schedule 'B' (trigger levels) on the recommenced indoor air or sub slab soil vapour monitoring event, then the indoor air or sub slab soil vapour monitoring event shall be carried out on a quarterly basis (every three months) for a twelve (12) month period (4 additional monitoring events).
    - 2. If any of the concentrations of the Contaminants of Concern exceeds Schedule 'B' (trigger levels), on the recommenced indoor air or sub slab vapour monitoring event, then a Licenced Professional Engineer shall, within 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 indoor air 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 indoor air monitoring shall continue on a quarterly basis (every 3 months) until such time as the Director, upon application by the Owner, has reviewed the data available and either alters or revokes the CPU.
- h. The groundwater monitoring program shall be carried out prior to occupancy of any Building on the Property on a quarterly basis (once every three months) for first year and semi-annually (once every six months) for the second year, and thereafter until such time as the Director, upon application by the Owner, has reviewed the data available and either amends or revokes the CPU. The groundwater monitoring shall be carried out as follows:
- i. The groundwater monitoring program shall consist of four (4) groundwater monitoring wells that include the following: 153-MWRA-01, 153-MWRA-02, 153-MWRA-03, and 153-MWRA-04 as indicated on figure 7-2 and Schedule 'C' of the CPU.
  - ii. The Contaminants of Concern to be monitored are listed in Schedule 'C' of the CPU.

- iii. Water from all monitoring wells shall be sampled according to Ministry's Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (MOE, 2004b) as amended from time to time.
- iv. The Owner shall keep a copy of all sampling data available for inspection by a Provincial Officer upon request.
- v. Should there be a reason to change a selected groundwater monitoring well or if a measured groundwater concentration exceed the Property Specific Standards (PSS) of Schedule 'C' for upgradient monitoring well (153-MWRA-01) or if a measured groundwater concentration exceed groundwater trigger levels of Schedule 'C' for downgradient monitoring wells (153-MWRA-02, 153-MWRA-03 and 153-MWRA-04), the Owner shall immediately notify the Director in writing of the monitoring well changes, or exceedance(s) in groundwater concentrations, along with a copy of the laboratory's certificate of analysis, chain of custody and borehole logs.
- vi. If the measured groundwater concentration for the Contaminants of Concern exceed groundwater PSS in Schedule 'C' for upgradient monitoring wells (153-MWRA-01) or if a measured groundwater concentration exceed groundwater trigger levels of Schedule 'C' for downgradient monitoring wells (153-MWRA-02, 153-MWRA-03 and 153-MWRA-04), then groundwater monitoring shall recommence within thirty (30) days of receipt of the analytical results and be carried out as follows:
  - a. If none of the groundwater concentrations of the Contaminants of Concern on the recommended groundwater monitoring event exceed groundwater PSS in Schedule 'C' for upgradient monitoring wells (153-MWRA-01) or none exceed the groundwater trigger levels of Schedule 'C' for downgradient monitoring wells (153-MWRA-02, 153-MWRA-03 and 153-MWRA-04), then the groundwater monitoring shall continue on quarterly basis (every three months) for a twelve (12) month period (four additional monitoring events).
  - b. If the groundwater concentrations for the Contaminants of Concern on the recommended groundwater monitoring event exceed groundwater PSS in Schedule 'C' for upgradient monitoring wells (153-MWRA-01) or exceed groundwater trigger levels of Schedule 'C' for downgradient monitoring wells (153-MWRA-02, 153-MWRA-03 and 153-MWRA-04), then within thirty (30) days of the receipt of the analytical results;
    - 1. Develop and submit a contingency plan to the Director (as outlined in the Risk Assessment); and
    - 2. The groundwater monitoring shall continue on 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.
- i. If the soil petroleum hydrocarbons (PHC) concentrations remain on the Property as identified in Figure 7-2 of the CPU and exceed the site-specific theoretical free product threshold concentration as per Risk Assessment, then the PHC ground water monitoring shall commence prior to occupancy of any building and shall be carried out on a quarterly basis (every three months) for the first year, semi annually (every six months) for the second year and each year thereafter until such time as the Director, upon application by the Owner, has reviewed the data

available and either amends or alters the CPU. The PHC ground water monitoring program shall be carried out as follows:

- i. The PHC ground water monitoring program shall consist of the advancement of three (3) ground water monitoring wells labeled as 153-MWRA-PHC01, 153-MWRA-PHC02 and 153-MWRA-PHC03 as shown on Figure 7-2 of the CPU.
  - ii. The Owner shall keep a copy of all sampling data available for inspection by a Provincial Officer upon request.
  - iii. Should there be a reason to change the selected ground water monitoring well or should an interface probe detect the presence of free phase product in any ground water monitoring wells at any time, the Owner shall immediately notify the Director in writing with a contingency plan.
- j. 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 of 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.
- k. 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 system;
  - 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 soil vapour probe construction logs, 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 for the groundwater monitoring including borehole logs, laboratory's certificate of analyses and chain of custody;
  - v. a copy of all Vapour Barrier, Sub Slab Vapour Venting Layer and Venting Component as-built drawings signed by a Professional Engineer along with the proposed testing and performance requirements (if applicable);
  - vi. a copy of all signed site plans including any alterations; and
  - vii. a copy of the updated financial assurance every three years from the date of issuance of the CPU if applicable.

4.3 Refrain from using the Property for any of the following use(s): NA

4.4 Refrain from constructing the following building(s): No building construction unless construction is in accordance with Item 4.2 e. or 4.2 f. 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 'D', 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, as amended, 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 Her Majesty the Queen in right of Ontario or the City of Toronto.
- 4.12 If the Owner of the Property is not Her Majesty the Queen in right of Ontario or the City of Toronto, then financial assurance shall be provided to the Director within fifteen (15) days from the date of transfer of the Property in the amount of three hundred and twenty-seven thousand and four hundred dollars (\$327,400) in a form satisfactory to the Director and in accordance with Part XII of the Act.
- 4.13 A written report reviewing the financial assurance required by the CPU shall be included in the annual report referred to as Item 4.2 k. with an updated cost estimate with respect to the matters dealt with in Item 4.12 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, the application of such requirement to other circumstances and the remainder of the CPU shall not be affected thereby.
- 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 non-compliance 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: Hearing before the Environmental Review Tribunal**

- 6.1 Pursuant to section 139 of the Act, you may require a hearing before the Environmental Review 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 as they may be amended from time to time. The address, email address and fax numbers of the Director and the Tribunal are:

The Secretary  
Environmental Review Tribunal  
655 Bay Street, Suite 1500  
Toronto, ON, M5G 1E5  
Fax: 1-877-849-2066  
Email: [ERTTribunalSecretary@ontario.ca](mailto:ERTTribunalSecretary@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: [jimena.caicedo@ontario.ca](mailto:jimena.caicedo@ontario.ca)

- 6.4 Unless stayed by application to 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.

Issued at Toronto this 17<sup>h</sup> day of December 2020

Jimena Caicedo  
Director, section 168.6 of the Act

## Schedule 'A'

### Property Specific Standards (Soil and Groundwater) for each Contaminant of Concern

Contaminants of Concern (COC)	Property Specific Standards for Soil (µg/g)	Property Specific Standards for Groundwater (µg/L)
Acenaphthylene	1.3	NA
Anthracene	18	NA
Antimony	10	NA
Arsenic	39	NA
Barium	1300	NA
Benz(a)anthracene	24	NA
Benzo(a)pyrene	31	NA
Benzo(b)fluoranthene	27	NA
Benzo(g,h,i)perylene	22	NA
Benzo(k)fluoranthene	10	NA
Boron (HWS)	2.5	NA
Cadmium	2.1	NA
Chloride	1300	NA
Chrysene	21	NA
Dichloroethylene, 1,1-	NA	14
Dichloroethylene, 1,2-cis-	NA	2.5
Dioxin/Furan TEQ	0.00003	NA
Dibenzo[a,h]anthracene	3.3	NA
Electrical Conductivity	5600	NA
Fluoranthene	76	NA
Indeno[1 2 3-cd]pyrene	18	NA
Lead	1800	NA
Manganese	3200	NA
Mercury	4.7	NA
Methylnaphthalenes 2-(1-)	33	NA
Molybdenum	26	NA
Naphthalene	3.2	NA
Nickel	210	NA
PHC F1	210	NA
PHC F2	5600	1200
PHC F3	22,000	720
PHC F4	46,000	NA
Phenanthrene	78	NA
Polychlorinated Biphenyls	0.56	NA
SAR (unitless)	79	NA
Tetrachloroethylene	9	690
Trichloroethane, 1,1,1-	2.2	87
Trichloroethylene	0.11	4.3
Vinyl Chloride	NA	60
Zinc	700	NA

NA= not applicable

**Schedule 'B'**

**Air Trigger Levels**

<b>Contaminants of Concern (COC)</b>	<b>Residential Soil Vapour Trigger Levels (µg/m<sup>3</sup>)</b>	<b>Residential Indoor Air Target Levels (µg/m<sup>3</sup>)</b>	<b>Commercial Soil Vapour Trigger Levels (µg/m<sup>3</sup>)</b>	<b>Commercial Indoor Air Target Levels (µg/m<sup>3</sup>)</b>
Dichloroethylene, 1,1-	2100	42	12,500	50
Methylnaphthalene 2-(1-)	500	10	9,000	36
Naphthalene	2	0.033	28	0.11
PHC F1	125,000	2500	2,125,000	8,500
PHC F2	29,500	470	500,000	1,600
Tetrachloroethylene	215	4.3	3,500	14
Trichloroethane, 1,1,1-	50,000	1000	900,000	3600
Trichloroethylene	14	0.27	218	0.4
Vinyl Chloride	7	0.13	108	0.81

**Schedule 'C'**

**Groundwater Trigger Levels**

<b>Contaminants of Concern (COC)</b>	<b>GW Trigger Level Protective of Offsite Indoor Air (µg/L)</b>	<b>PSS (µg/L)</b>
Dichloroethylene, 1,1-	1.6	14
Dichloroethylene, 1,2 – cis -	1.6	2.5
Tetrachloroethylene	1.6	690
Trichloroethylene	1.5	4.3
Vinyl Chloride	0.16	60

**Schedule 'D'**

**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 2567-BTHKN8 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 December 17, 2020, being a Certificate of Property Use and order under subsection 197(1) of the Environmental Protection Act relating to the Property municipally known as 153 Eastern Avenue (Block 8W, West Don Lands), Toronto being all of Property Identifier Number 21077-0322 (LT) (the "Property") with respect to a Risk Assessment and certain Risk Management Measures and other preventive measure requirements on the Property

**HER MAJESTY THE QUEEN IN RIGHT OF ONTARIO AS REPRESENTED BY  
THE 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 (66M-2488)

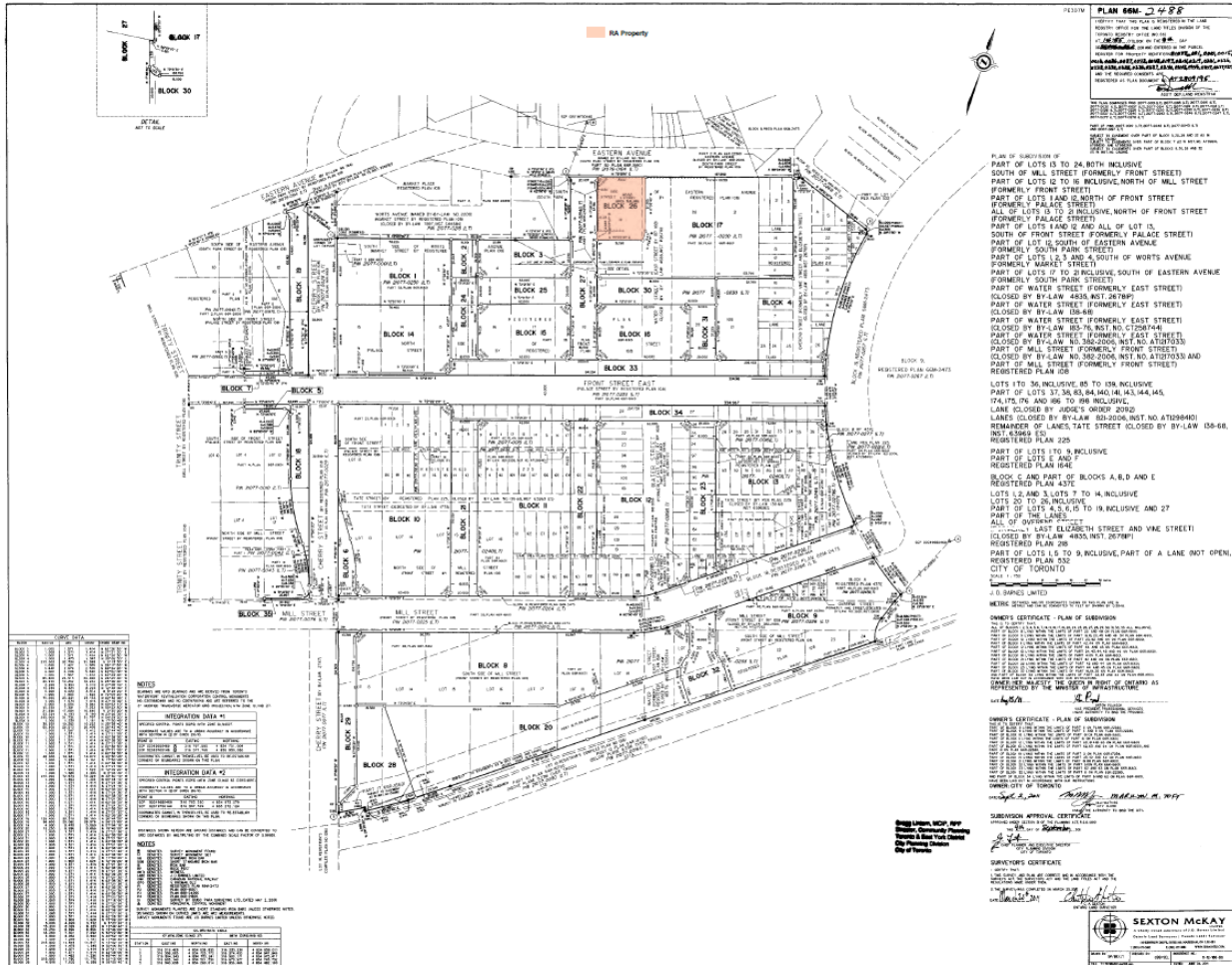


Figure I-1

May 28, 2019

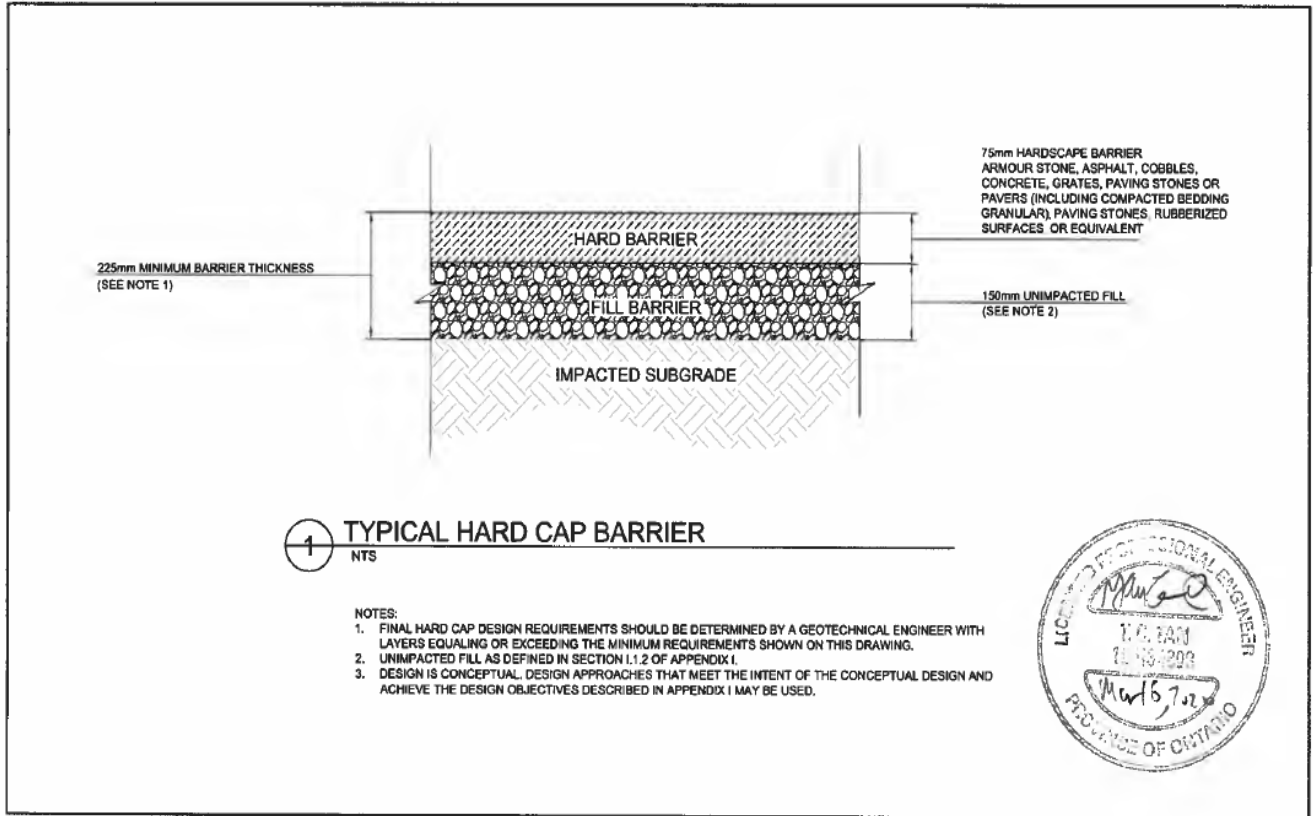


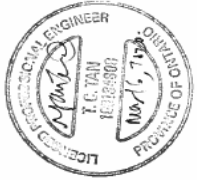
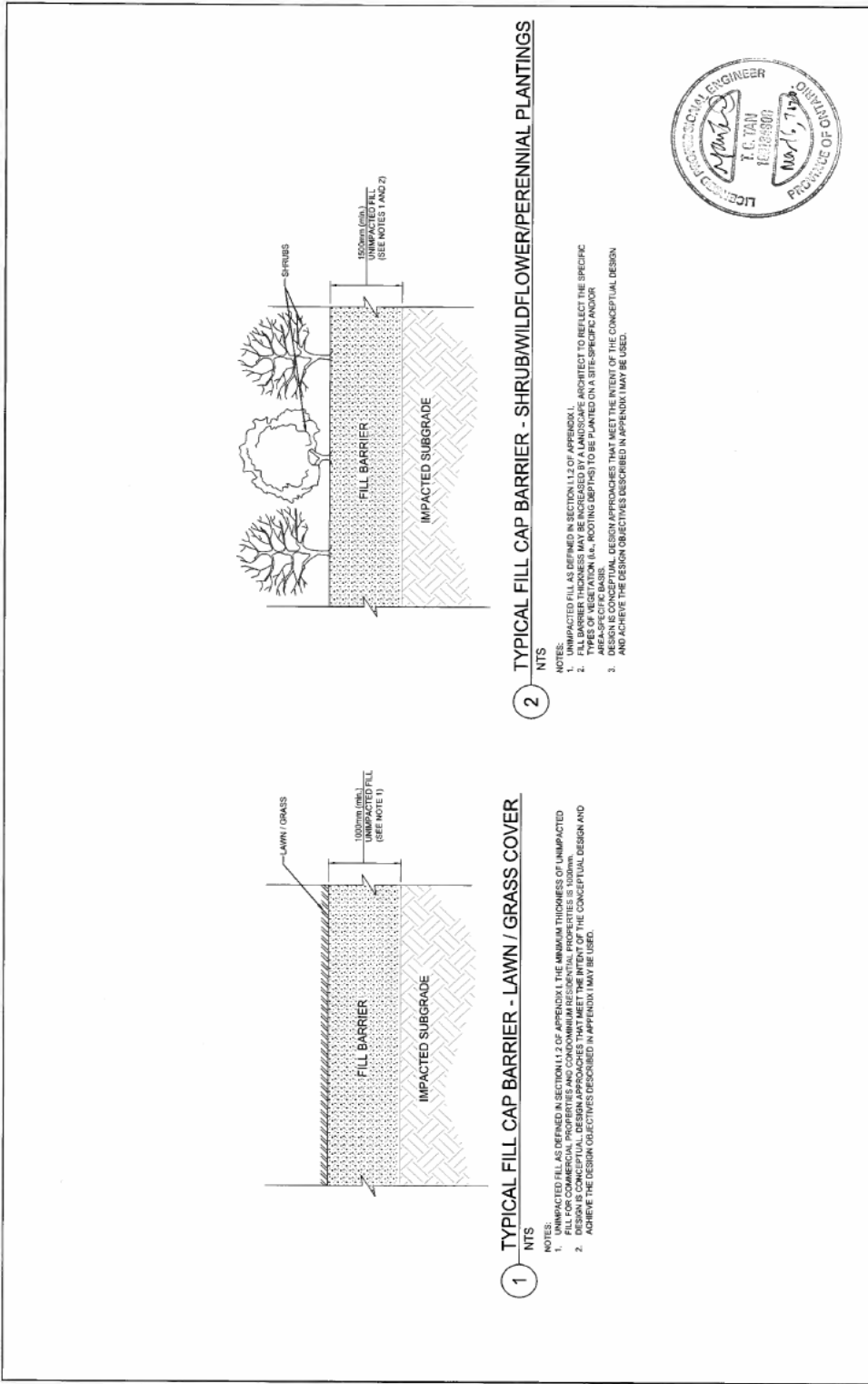
FIGURE I-1  
Conceptual Design of Typical Hard Cap Barrier

West Don Lands, Infrastructure Ontario  
153 Eastern Avenue, Toronto, Ontario

NOT TO SCALE



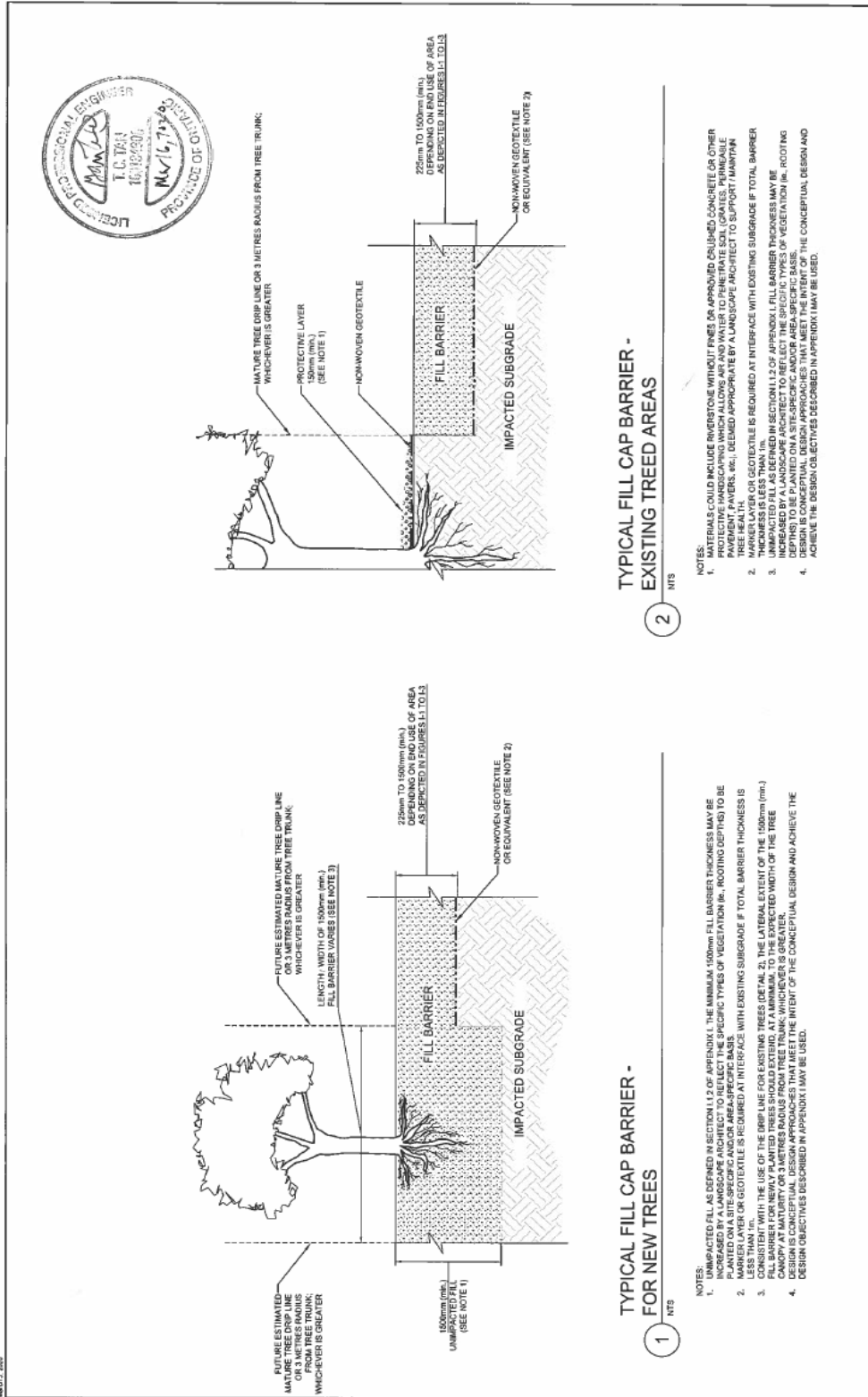
Figure I-2



**FIGURE I-2**  
 Conceptual Design of Typical Fill Cap Barrier  
 Vegetation Profile/soil Cover  
 West Don Lands, Infrastructure Ontario  
 153 Eastern Avenue, Toronto, Ontario

NOT TO SCALE

Figure I-3



**FIGURE I.3**  
 Conceptual Design of Typical Fill Cap Barrier  
 New and Existing Trees Areas  
 West Don Lands, Infrastructure Ontario  
 153 Eastern Avenue, Toronto, Ontario

NOT TO SCALE

Figure I-4

May 15, 2017

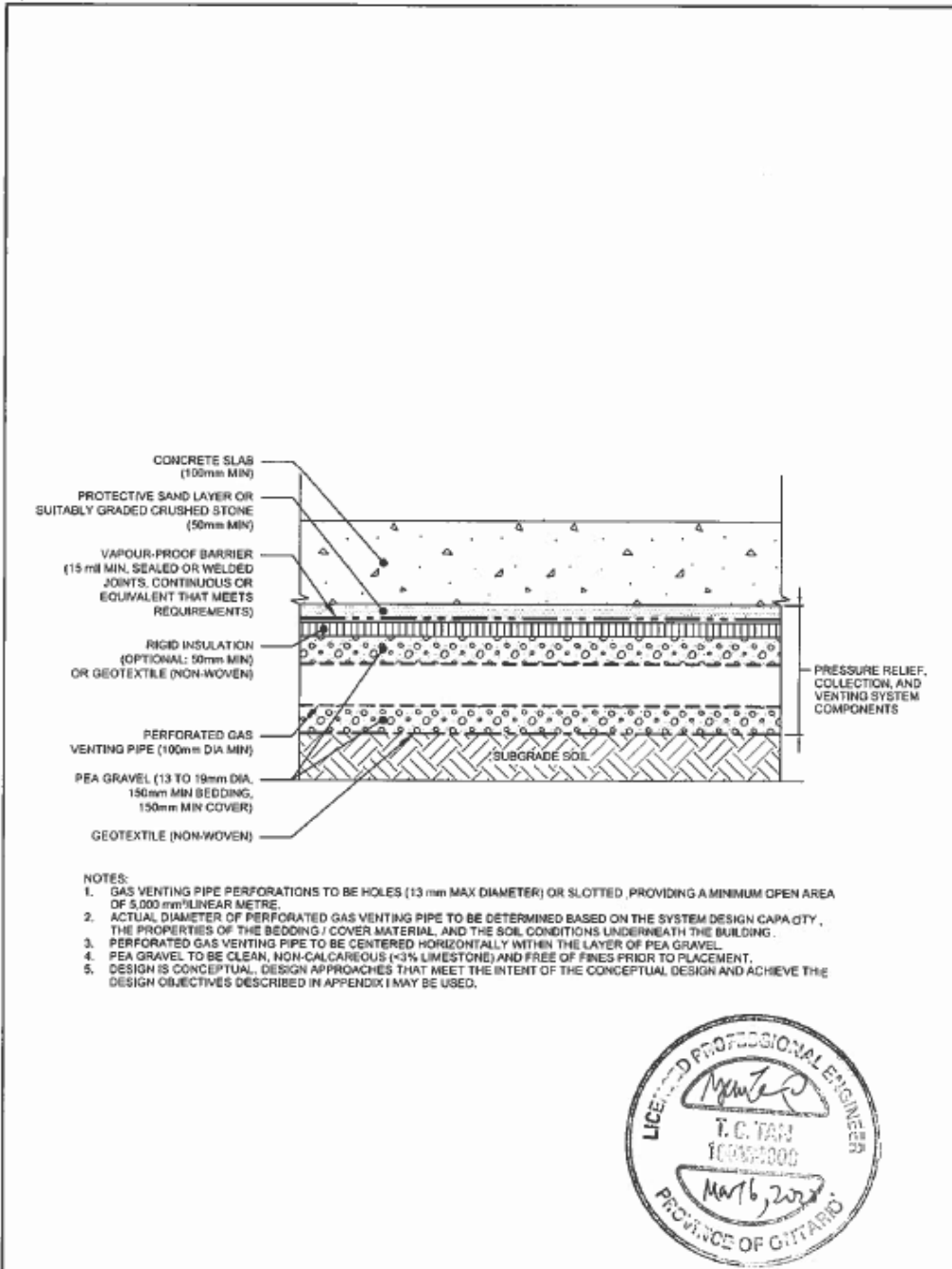


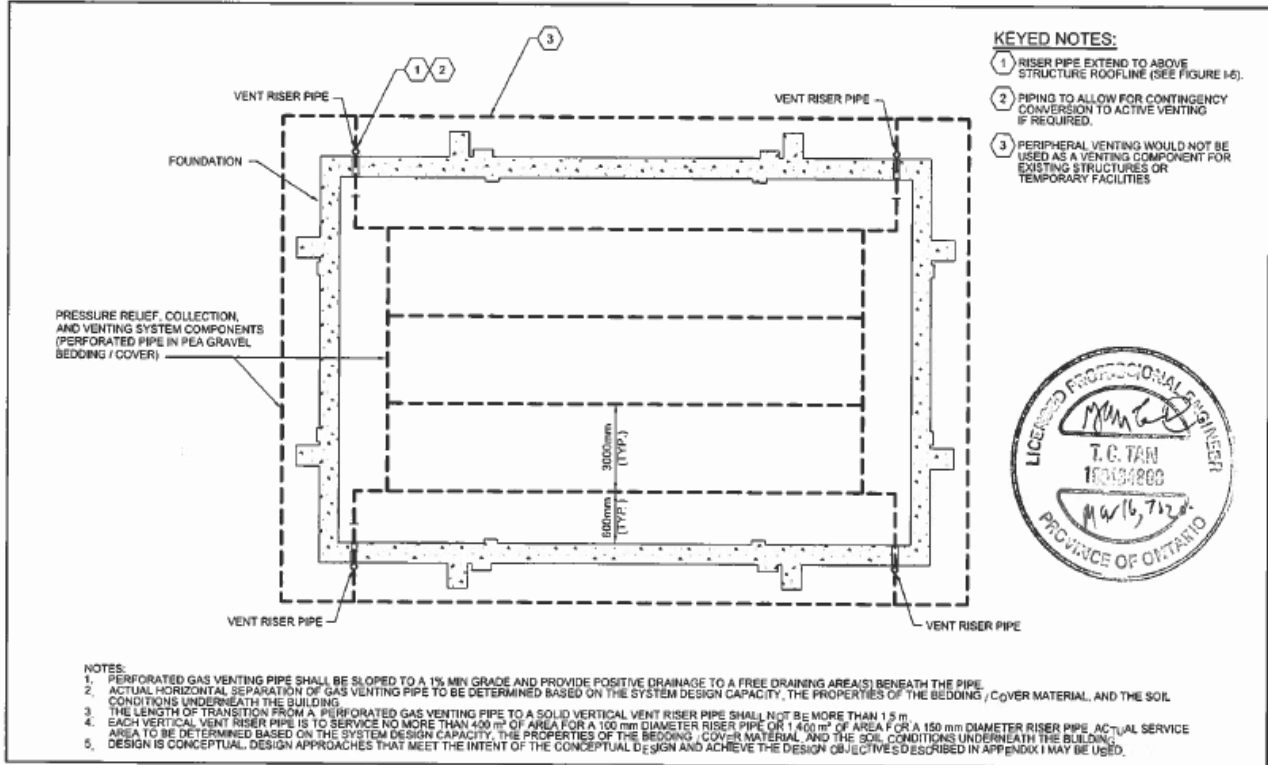
FIGURE I-4  
Conceptual Design in Cross-Section View  
Passive Relief, Collection, and Venting System

West Don Lands, Infrastructure Ontario  
153 Eastern Avenue, Toronto, Ontario

NOT TO SCALE

Figure I-5

May 16, 2017

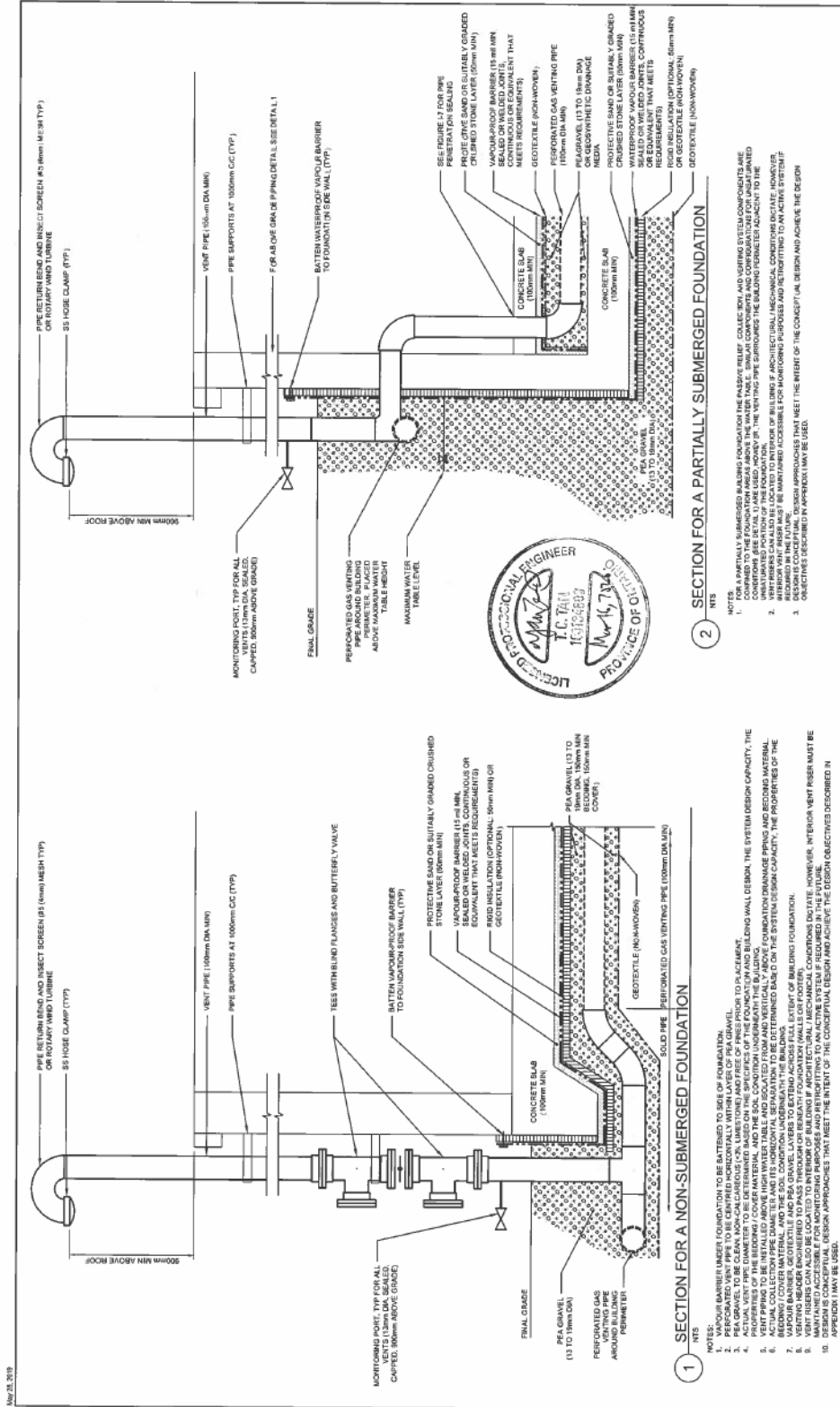


**FIGURE I-5**  
 Conceptual Design in Plan View  
 Pressure Relief, Collection, and Venting System

West Don Lands, Infrastructure Ontario  
 153 Eastern Avenue, Toronto, Ontario

NOT TO SCALE

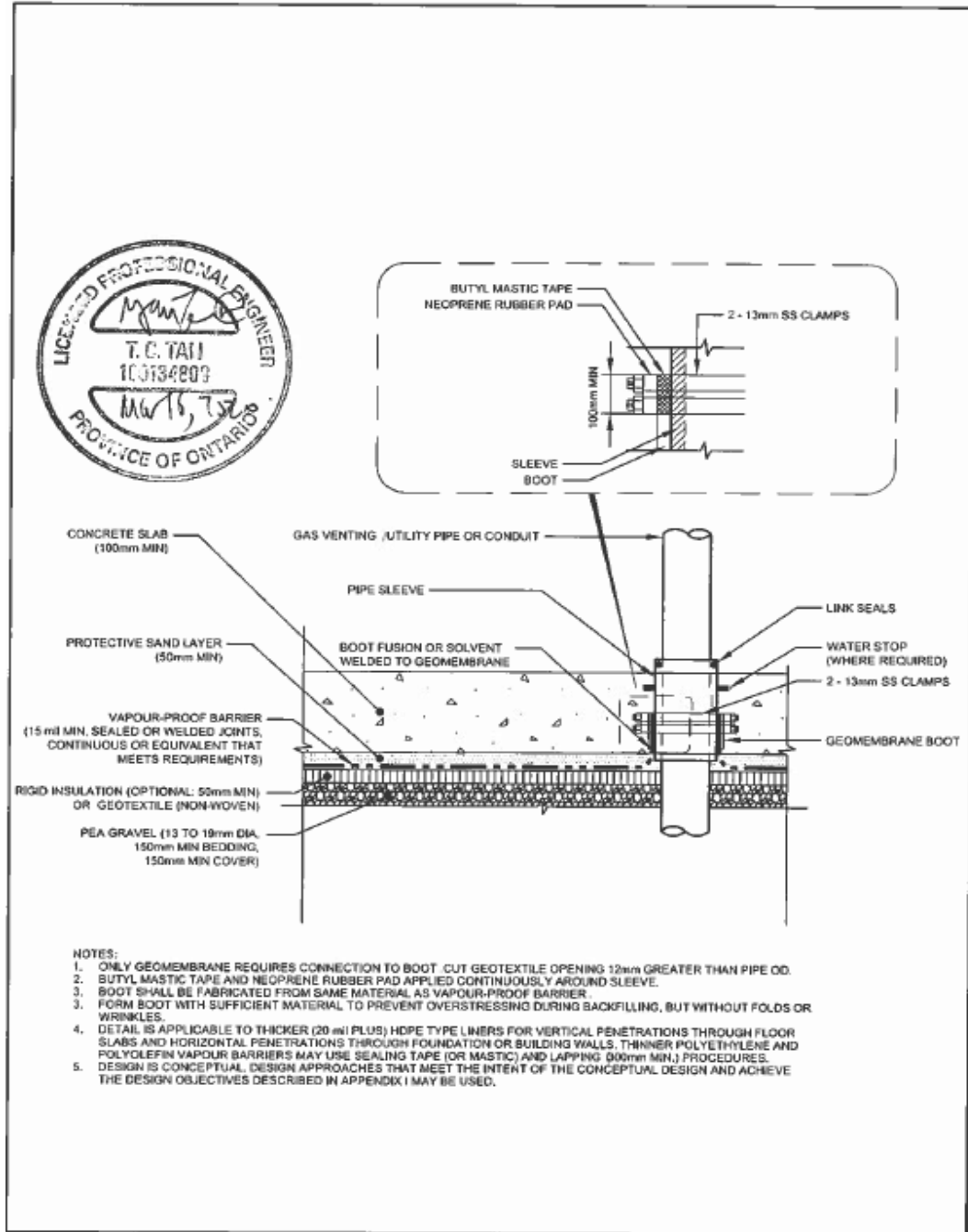
Figure I-6



**FIGURE I-6**  
Conceptual Design for Unstaircase and Saturated Conditions  
Passive Relief, Collection, and Venting System  
West Don Lands, Infrastructure Ontario  
157 Eastern Avenue, Toronto, Ontario

Figure I-7

May 18, 2017



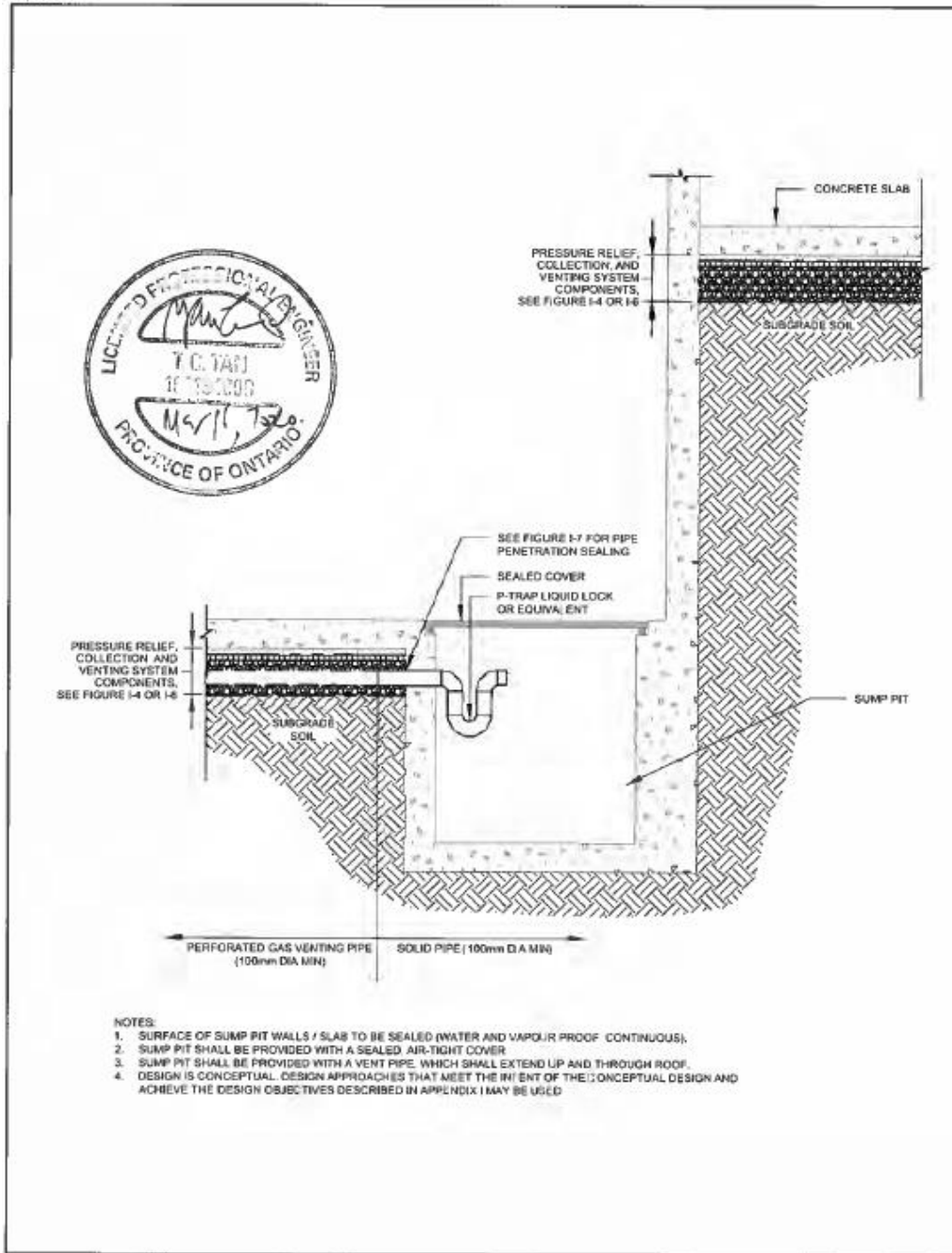
**FIGURE I-7**  
Conceptual Design for Conduit and Pipe Penetrations  
Passive Relief, Collection, and Venting System

West Don Lands, Infrastructure Ontario  
153 Eastern Avenue, Toronto, Ontario

NOT TO SCALE

Figure I-8

May 16, 2017



NOTES:

1. SURFACE OF SUMP PIT WALLS / SLAB TO BE SEALED (WATER AND VAPOUR PROOF CONTINUOUS).
2. SUMP PIT SHALL BE PROVIDED WITH A SEALED AIR-TIGHT COVER
3. SUMP PIT SHALL BE PROVIDED WITH A VENT PIPE, WHICH SHALL EXTEND UP AND THROUGH ROOF.
4. DESIGN IS CONCEPTUAL. DESIGN APPROACHES THAT MEET THE INTENT OF THE CONCEPTUAL DESIGN AND ACHIEVE THE DESIGN OBJECTIVES DESCRIBED IN APPENDIX I MAY BE USED

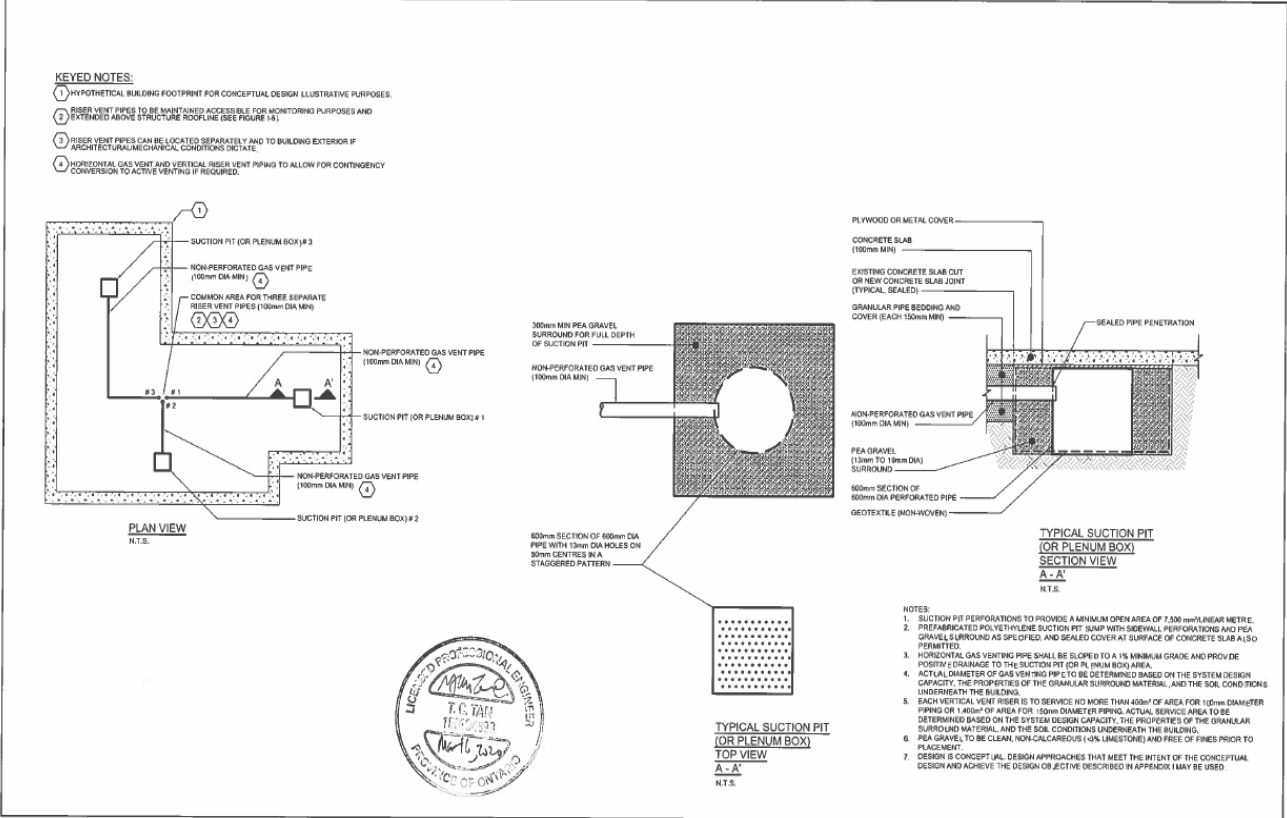
**FIGURE I-8**  
 Conceptual Design for Pipe Entry Into Sump  
 Passive Relief, Collection, and Venting System

West Don Lands, Infrastructure Ontario  
 153 Eastern Avenue, Toronto, Ontario

NOT TO SCALE

**Figure I-9**

January 3, 2018



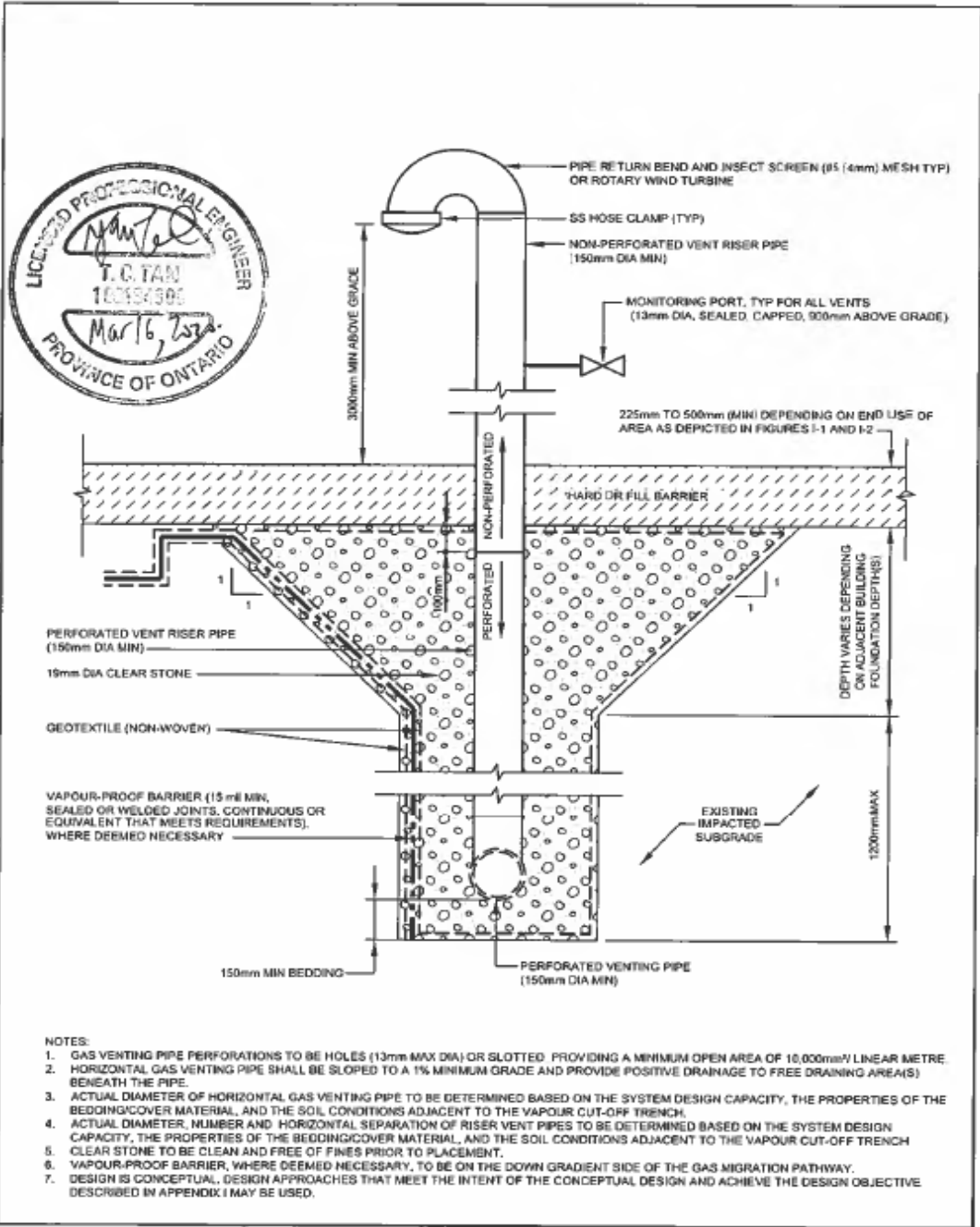
**FIGURE I-9**  
Conceptual Design for Suction Pits (or Plenum Boxes)  
Passive Relief, Collection, and Venting System

West Don Lands, Infrastructure Ontario  
151 Eastern Avenue Toronto, Ontario



Figure I-10

January 8, 2018



**FIGURE I-10**  
 Conceptual Design of Vapour Cut-off Trench  
 Passive Relief, Collection, and Venting System

West Don Lands, Infrastructure Ontario  
 153 Eastern Avenue, Toronto, Ontario

NOT TO SCALE

Figure I-11

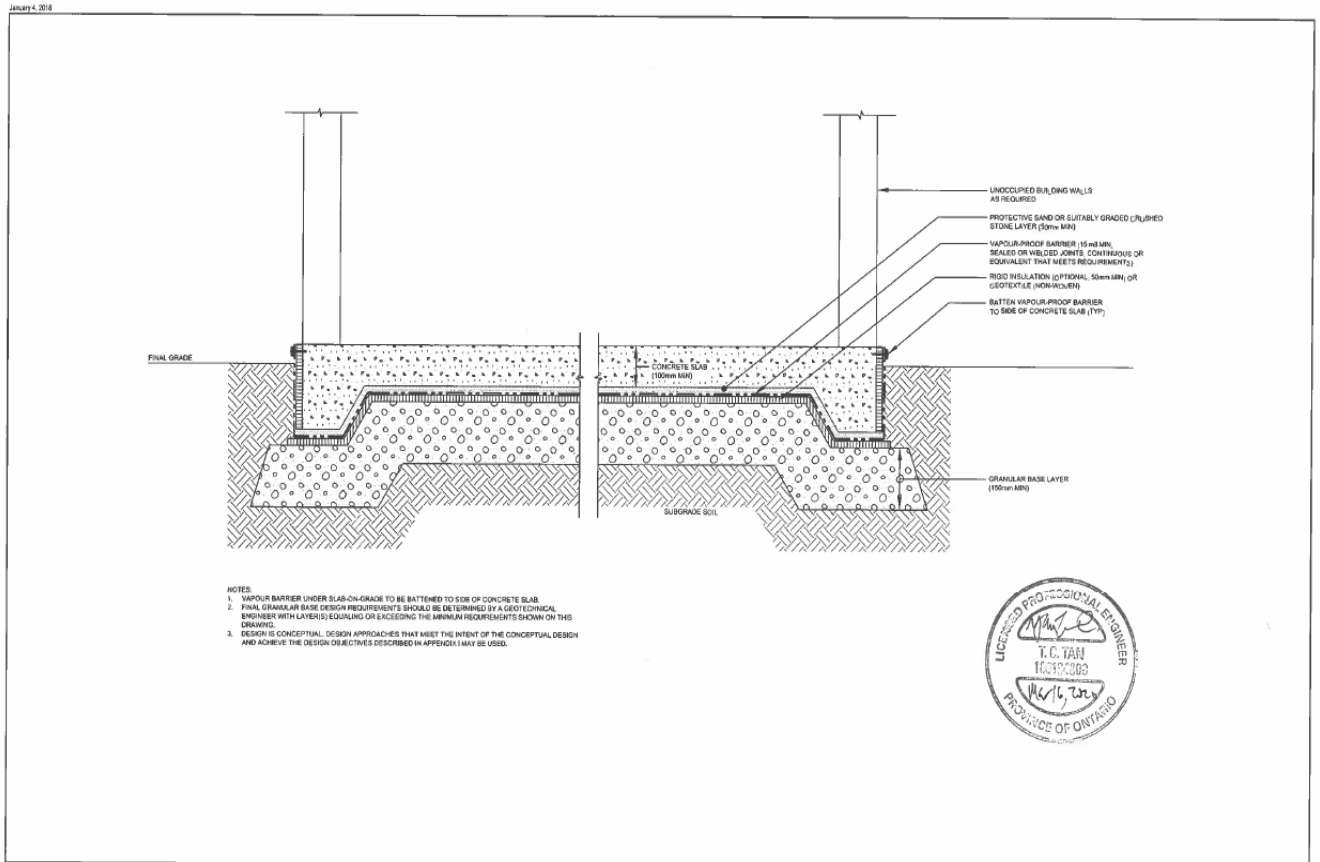


FIGURE I-11  
Conceptual Design for Unoccupied Slab-on-Grade Building without Vertical, Below Grade Foundation Walls VI RMM

West Don Lands, Infrastructure Ontario  
153 Eastern Avenue, Toronto, Ontario



NOT TO SCALE  
40464\_F09.dwg

Figure I-12

January 4, 2018

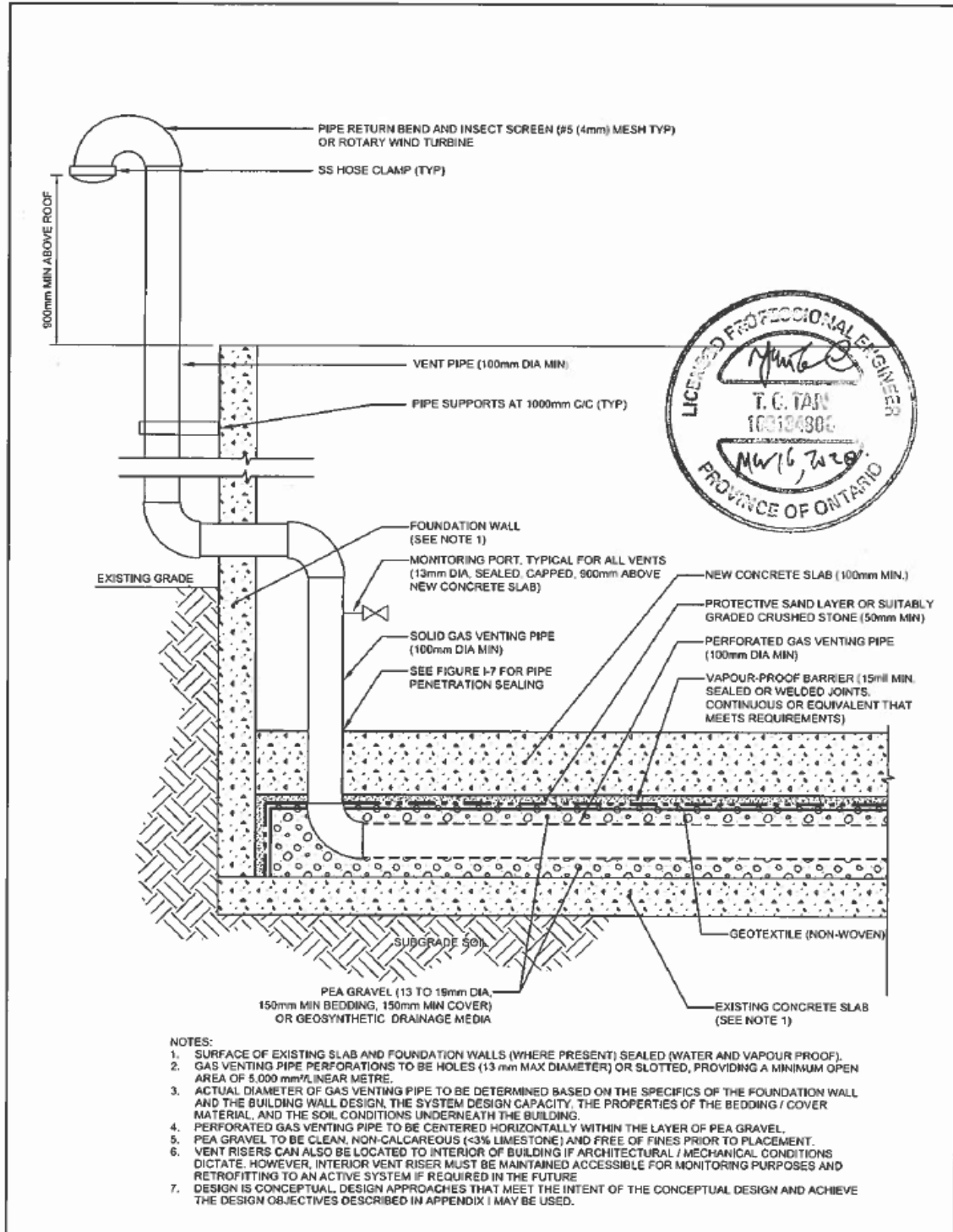


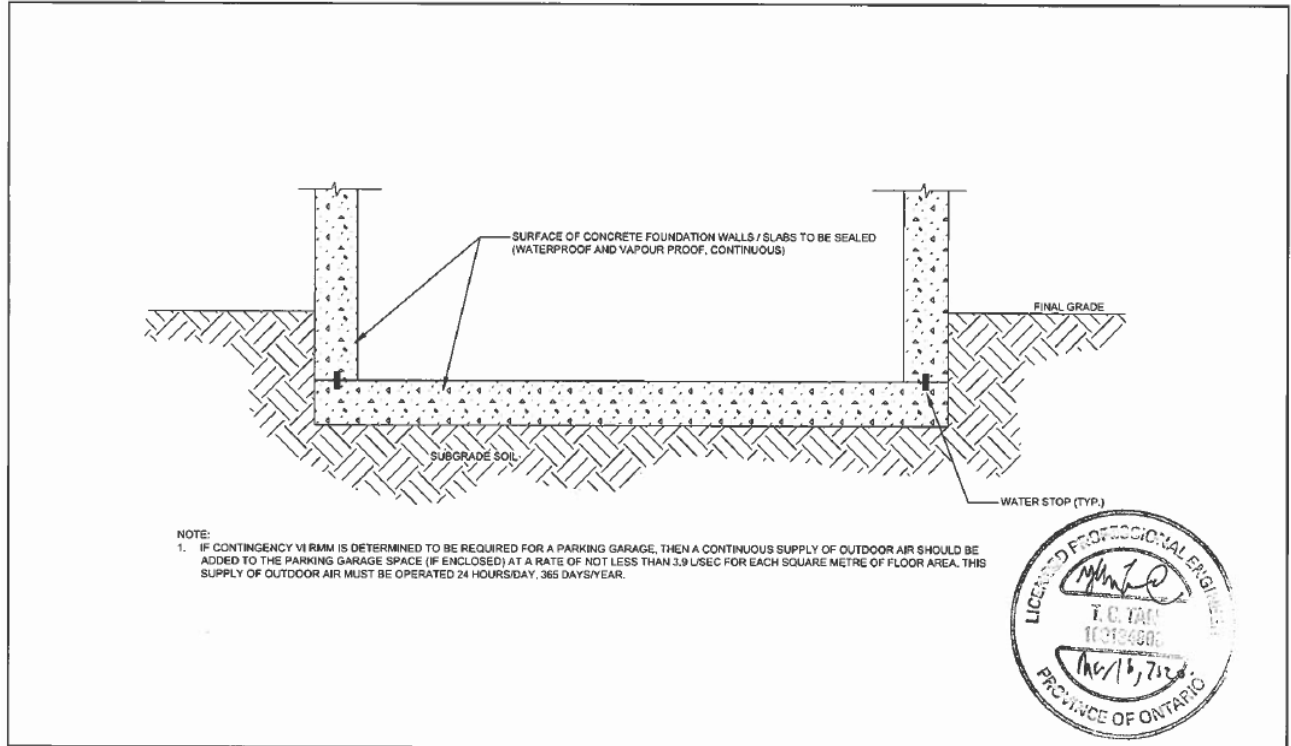
FIGURE I-12  
Conceptual Design of Existing Building Retrofit  
Passive Relief, Collection, Submembrane, and Venting System

West Don Lands, Infrastructure Ontario  
153 Eastern Avenue, Toronto, Ontario

NOT TO SCALE

# Figure I-13

January 4, 2018



**FIGURE I-13**  
Conceptual Design for Parking Garage VI RMM  
Passive Relief, Collection, and Venting System

West Don Lands, Infrastructure Ontario  
153 Eastern Avenue, Toronto, Ontario

NOT TO SCALE

Figure 7-2

