Tuesday, February 19, 2019
7:00 p.m. – Regular Meeting
Bdrm WT-2C/2D – 2nd Floor – West Tower

Members:  Peter Dymond (Co-Chair)
           Paul Willoughby (Co-Chair)
           Michael Avis
           Chris Bejnar
           Harry Blackburn
           Jeff Chalmers
           Steve Collie
           Herman Custodio
           Kathryn Fowlston
           Palvinder Gill
           Doug McLeod
           Mary Pettingill
           Anthony Simone
           Lynda Voegtle
           David Whyte
           Ken Wilde
           City Councillor Doug Whillans – Wards 2 and 6

For inquiries about this agenda, or to make arrangements for accessibility accommodations for persons attending (some advance notice may be required), please contact:

   Terri Brenton, Legislative Coordinator
   Telephone (905) 874-2106, TTY (905) 874-2130 cityclerksoffice@brampton.ca

Note: Meeting information is also available in alternate formats, upon request.

Note: Any difficulty accessing meeting rooms, buildings, elevators, etc. please contact security at 905-874-2111
1. **Approval of Agenda**

2. **Declarations of Interest under the Municipal Conflict of Interest Act**

3. **Previous Minutes**
   3.1. Minutes – Brampton Heritage Board – January 15, 2019

   Note: The minutes were considered at the Planning and Development Committee Meeting of January 28, 2019, and recommendations were approved by Council on February 6, 2019. The minutes are provided for the Board's information.

4. **Consent**

   * The following item(s) listed with an asterisk (*) are considered to be routine and non-controversial by the Committee and will be approved at one time. There will be no separate discussion of these items unless a Committee Member requests it, in which case the item will not be consented to and will be considered in the normal sequence of the agenda.

   (nil)

5. **Delegations/Presentations**

6. **Sub-Committees**
   6.1. Minutes – Heritage Resources Sub-Committee:
   - September 13, 2018
   - October 11, 2018
   - November 8, 2018

   To be received

7. **Designation Program**
   7.1. Proposed Designations

   See attached list
8. **Heritage Impact Assessments (HIA)**

9. **Correspondence**

10. **Other/New Business**

   10.1. Report from Pascal Doucet, Heritage Planner, Planning and Development Services, dated February 12, 2019, re: **Heritage Permit Application** – **Alterations to a Designated Heritage Property** – 563 Bovaird Drive East (Bovaird House) – Ward 1 (File HE.x).

      **Recommendation**

11. **Referred/Deferred Items**

12. **Information Items**

13. **Question Period**

14. **Public Question Period**

   15 Minute Limit (regarding any decision made at this meeting)

15. **Closed Session**

16. **Adjournment**

   Next Meeting: Tuesday, March 19, 2019 – 7:00 p.m.
Tuesday, January 15, 2019

Members Present:  
Peter Dymond (Co-Chair)  
Paul Willoughby (Co-Chair)  
Michael Avis  
Chris Bejnar  
Harry Blackburn  
Steve Collie  
Kathryn Fowlston  
Palvinder Gill  
Doug McLeod  
Lynda Voegtle  
David Whyte  
Ken Wilde  

Members Absent:  
Jeff Chalmers (regrets)  
Herman Custodio (regrets)  
Mary Pettingill (regrets)  
Anthony Simone (regrets)  
City Councillor Doug Whillans – Wards 2 and 6 (personal)

Staff Present:  
Planning and Development Services:  
Pam Cooper, Manager, Land Use Policy  
Pascal Doucet, Heritage Planner  
Cassandra Jasinski, Heritage Planner  

City Clerk’s Office:  
Terri Brenton, Legislative Coordinator
The meeting was called to order at 7:03 p.m. and adjourned at 8:28 p.m.

1. Approval of Agenda

Discussion took place with respect to a proposed addition to the agenda.

The following motion was considered.

HB001-2019 That the agenda for the Brampton Heritage Board Meeting of January 15, 2019 be approved as amended, as follows:

To add:

10.4. Verbal advisory from Steve Collie, Board Member, re: “Highlight on Heritage” – Saturday, February 9, 2019 – Bramalea City Centre.

Carried

2. Declarations of Interest under the Municipal Conflict of Interest Act – nil

3. Previous Minutes

3.1. Minutes – Brampton Heritage Board – August 21, 2018

The minutes were considered at the Planning and Development Committee Meeting of September 10, 2018, and the recommendations were approved by Council on September 12, 2018. The minutes were provided for the Board's information.

A correction was noted to the address for Snelgrove Baptist Church.

4. Consent

The following item listed with an asterisk (*) was considered to be routine and non-controversial by the Board and was acknowledged at this time.

(12.1)

5. Delegations/Presentations – nil
6. **Sub-Committees** – nil

7. **Designation Program**

7.1. **Proposed Designations**

A list of properties proposed for heritage designation was included with the agenda for this meeting. No updates were provided with respect to the properties on the list.

8. **Heritage Impact Assessments (HIA)**


Cassandra Jasinski, Heritage Planner, Planning and Development Services, provided an overview of the subject report.

In response to questions from the Board, Ms. Jasinski and Owen Chinnery, Capital Acquisition Agent, Real Estate Section, Region of Peel, provided information on the following:

- existing condition of the heritage resource
- proposed marketing plan for the resource
- approximate timelines for construction, property acquisitions, and utility relocation related to the Region’s road improvement project for Mayfield Road
- potential site visit for Board Members
- timelines for a Board update from the Region of Peel

An amendment was introduced to specify a date in Recommendation #5 of the staff report for the requested update from the Region of Peel.

The following motion to accept staff’s recommendations, as amended in Clause #5, was considered.

**HB002-2019**

1. That the report from Cassandra Jasinski, Heritage Planner, Planning and Development Services, dated January 2, 2019, to the Brampton Heritage Board Meeting of January 15, 2019, re: *Heritage Impact Assessment – Impact of the Relocation of 11962 The Gore Road on St. Patrick’s Church and Cemetery – Ward 10* (File HE.x) be received;
2. That 11962 The Gore Road Heritage Impact Assessment Addendum dated 2015 attached as Appendix B of this report be received and that the recommendations/mitigation options contained therein be approved, with the exception of Recommendation 5);

3. That the 11873 the Gore Road Heritage Impact Assessment dated 2017 attached as Appendix C of this report be received and that the recommendations/mitigation options contained therein be approved;

4. That the Region of Peel pursue all options for the conservation of the dwelling currently located at 11962 The Gore Road, including relocation to an alternate site and third party sale.

5. That the Region of Peel be requested to provide the Brampton Heritage Board with an update on the status of the property at the Board’s April 2019 meeting.

Carried

9. **Correspondence** – nil

10. **Other/New Business**

10.1. Report from Pascal Doucet, Heritage Planner, Planning and Development Services, January 10, 2019, re: *Intention to Designate under Part IV, Section 29 of the Ontario Heritage Act and Authority to Enter into a Heritage Easement Agreement – 860 North Park Drive – Ward 7* (File H.Ex).

The subject report was distributed at the meeting.

Pascal Doucet, Heritage Planner, Planning and Development Services, provided an overview of the report, and responded to questions from the Board with respect to staff’s recommendations.

The following motion was considered.

HB003-2019 1. That the report from Pascal Doucet, Heritage Planner, Planning and Development Services, January 10, 2019, to the Brampton Heritage Board Meeting of January 15, 2019, re: *Intention to Designate under Part IV, Section 29 of*
the Ontario Heritage Act and Authority to Enter into a Heritage Easement Agreement – 860 North Park Drive – Ward 7 (File H.Ex), be received;

2. That the designation of the property at 860 North Park Drive under Part IV, Section 29 of the Ontario Heritage Act (the “Act”) be approved;

3. That staff be authorized to publish and serve the Notice of Intention to designate the property at 860 North Park Drive in accordance with the requirements of the Act;

4. That, in the event that no objections to the designation are received, a by-law be passed to designate the property;

5. That, in the event that any objections to the designation are received, staff be directed to refer the proposed designation to the Conservation Review Board;

6. That staff be authorized to attend any hearing process held by the Conservation Review Board in support of Council's decision to designate the property;

7. That a heritage easement agreement for the property at 860 North Park Drive be endorsed; and

8. That the Commissioner of Planning and Development Services be authorized to sign a heritage easement agreement for the area intended for designation as described in this report, with content satisfactory to the Director of Policy Planning in a form approved by the City Solicitor.

Carried


See Item 10.3

Cassandra Jasinski, Heritage Planner, Planning and Development Services, provided an overview of the subject report.
Ms. Jasinski and Pascal Doucet, Heritage Planner, Planning and Development Services, clarified the purpose of the conditions requiring staff’s review and approval of specific elements/requirements after the Board’s review and prior to the issuance of a heritage permit. They offered assurances that the Board would be consulted on any revisions.

In response to questions from the Board, Ms. Jasinski provided details on the proposed materials for the heritage resource and the new construction.

The following motion was considered

HB004-2019
1. That the report from Cassandra Jasinski, Heritage Planner, Planning and Development Services, dated January 2, 2019, to the Brampton Heritage Board Meeting of January 15, 2019, re: Heritage Permit Application – 11651 Bramalea Road – Ward 9 (File H.Ex), be received;

2. That the Heritage Permit application for 11651 Bramalea Road for the demolition of the enclosed porch, east wall chimney stack, original foundation, concrete porch landings, concrete-block garage and frame shed; relocation and restoration of the Archdekin-Giffen Farmhouse; construction of a barrier free access way; and construction of an enclosed entrance to the underground parking garage be approved, subject to the following conditions:

a. That the electrical transformer be relocated to another part of the property away from the front façade of the Archdekin-Giffen Farmhouse to the satisfaction of Heritage staff;

b. That the cement porch slabs and steps be stained to have the appearance of wood, and that the applicant submit the specifications for the porches to City of Brampton Heritage staff for approval prior to the issuance of the Heritage Permit;

c. That a note be added on the drawings indicating that the accessibility ramp will be constructed of wood and that the final drawings and specifications for the ramp be submitted to and approved by City of Brampton Heritage staff and City of Brampton Accessibility staff prior to the issuance of the Heritage Permit;
d. That the accessible entrance sign be installed on the interior, and not the exterior of the Archdekin-Giffen Farmhouse.

e. That the rubble stone from the original foundation be reused to the greatest extent possible to face the new above ground foundation of the Farmhouse, to the satisfaction of Heritage staff;

f. That any rubble stone not used for this purpose be stored in a secure place on the property for future use and incorporation into other landscaping initiatives;

g. That prior to the issuance of the Heritage Permit, the final revised drawings reflecting the above conditions a-f be submitted for review and approval Heritage staff at the City of Brampton;

h. That prior to the issuance of the Heritage Permit, the proposal be cleared by Zoning Services;

i. That prior to the issuance of the Building Permit the owner enter into a Heritage Easement Agreement with the City for the Archdekin-Giffen Farmhouse located at 11651 Bramalea Road, to the satisfaction of the Commissioner of Planning and Development Services at the City of Brampton;

j. That as a condition of Site Plan approval, the applicant shall provide financial securities as specified in the approved Heritage Conservation Plan plus an additional 30% contingency in a form and amount satisfactory to the Commissioner of Planning and Development Services to secure all work included in the Heritage Building Protection Plan and Heritage Conservation Plan, dated August 13, 2018, prepared by the Team Assembled by George Robb Architect;

k. That the owner undertake all work in accordance with the approved Heritage Building Protection Plan and Heritage Conservation Plan, with special regard for the Outline Specifications in the Heritage Conservation Plan, in compliance with all applicable laws having jurisdiction and by retaining all necessary permits to the satisfaction of the Director of Policy Planning, Planning and Development Services at the City of Brampton;
I. The applicant shall provide letters to the Director of Policy Planning after the initial and final relocation of the Archdekin-Giffen Farmhouse from a heritage expert (that has been previously approved by the Director of Policy Planning) certifying that the Archdekin-Giffen Farmhouse has been relocated in accordance with the Heritage Conservation Plan and that:

i. The initial and final relocation did not result in loss or damage to heritage attributes of the Archdekin-Giffen Farmhouse; or,

ii. The initial and final relocation did result in loss or damage to the heritage attributes of the Archdekin-Giffen Farmhouse and restorative work has been completed in accordance with the approved Heritage Conservation Plan.

m. That as a condition of Site Plan approval, the owner undertake all work in accordance with the heritage permit and the conditions herein, in compliance with all applicable laws having jurisdiction and by retaining all necessary permits, within a period of two years from the issuance of the heritage permit, following the timeline in the approved Heritage Building Protection Plan and Heritage Conservation Plan;

n. That prior to the release of financial securities, the owner provide a letter, prepared and signed by a qualified heritage expert, certifying that all works as outlined in the approved Heritage Conservation Plan have been completed, and that an appropriate standard of conservation has been maintained, all to the satisfaction of the Director of Policy Planning, Planning and Development Services; and,

o. That if there is any deviation from or increase to the scope of the Heritage permit application not deemed to be minor by Heritage staff, that these works be addressed in a subsequent heritage permit application.

Carried

See Item 10.2

Cassandra Jasinski, Heritage Planner, Planning and Development Services, provided an overview of the subject report.

The following motion was considered.

HB005-2019 1. That the report from Cassandra Jasinski, Heritage Planner, Planning and Development Services, dated January 2, 2019, to the Brampton Heritage Board Meeting of January 15, 2019, re: Heritage Easement Agreement – 11651 Bramalea Road – Ward 9 (File HE.x), be received;

2. That a Heritage Easement Agreement for the property at 11651 Bramalea Road be endorsed; and,

3. That the Commissioner of Planning and Development Services be authorized to sign a Heritage Easement Agreement for the Archdekin-Giffen Farmhouse at 11651 Bramalea Road as described in this report, with content satisfactory to the Director of Policy Planning in a form approved by the City Solicitor.

Carried

10.4. Verbal advisory from Steve Collie, Board Member, re: "Highlight on Heritage" – Saturday, February 9, 2019 – Bramalea City Centre.

Steve Collie, Board Member, provided a verbal advisory on the 2019 “Highlight on Heritage" event, which included details on Board Member volunteer requirements and participating heritage groups.

The following motion was considered.

HB006-2019 That the Brampton Heritage Board organize and participate in the “Highlight on Heritage” event taking place on Saturday, February 9, 2019 at Bramalea City Centre.

Carried
11. **Referred/Deferred Items** – nil

12. **Information Items**

12.1. **CHO News – Fall 2018**

This material was provided for the Board’s information.

13. **Question Period**

In response to questions from Board Members, Pascal Doucet, Heritage Planner, Planning and Development Services, provided details on work orders and construction activity at 7573 Creditview Road, and the Local Planning Appeal Tribunal (LPAT) hearing scheduled to take place on February 19, 2019.

14. **Public Question Period** – nil

15. **Closed Session** – nil

16. **Adjournment**

The following motion was considered.

HB007-2019 That the Brampton Heritage Board do now adjourn to meet again on Tuesday, February 19, 2019 at 7:00 p.m. or at the call of the Chair.

Carried

____________________________  ______________________________
Co-Chair – Peter Dymond  Co-Chair – Paul Willoughby
Brampton Heritage Board
Resources Sub-committee
Thursday September 13, 2018
Present: Lynda Voegtle, Michael Avis, Ken Wilde, Paul Willoughby

Agenda:

1. Recognition of Builders

Lynda Voegtle suggested that there should be recognition of the more prominent builders in Brampton. She mentioned Henry Hergaarden who built several houses and Park Royal Apartments. Also mentioned was Henry Hill who built the Carnegie Library and several industrial buildings.

2. 9 Elizabeth Street South

Michael Avis told us that the current owner is moving and would like to have the house designated. The house is currently listed.

3. 20 Elizabeth Street South

Michael Avis told us that this plank on plank house is for sale again. It is listed but should be designated.

4. Queen Street East Schoolhouse

Ken Wilde expressed his concerns that this building is not designated.

5. 8403 Creditview Road

This is a log house built in the 1980’s by Tom Blake. Paul Willoughby is to take pictures. Since he was in there, without a camera, the driveway is badly washed away and a no trespassing sign has gone up. Lynda Voegtle is familiar with the house and has pictures of when it was being built.
Brampton Heritage Board
Resources Sub-Committee Meeting
Thursday October 11, 2018

Present: Lynda Voegtle, Stav Kassaris, Michael Avis, Ken Wilde, Paul Willoughby, Pascal Doucet

Agenda:

1. Memorial Arena Banners

Ken Wilde raised concerns about the hanging of the 12 lacrosse banners in the arena. Apparently there are hockey teams from Orangeville using the arena. Their owner has requested that the banners not be put up until the hockey season is over. This is not acceptable to the lacrosse association. They want the banners hung and not kept in storage any longer. Pascal Doucet will follow up with the arena management.

2. Memorial Arena Signs

Pascal Doucet reported that the signs which ask people to keep their feet off the seats and not stand on the seats have had the city logo added to them recently. This addition is in violation of the designation of the building. The signs are listed within the report as heritage attributes and should not have been altered in any way. Members of the committee were concerned. The question was asked whether there was a copy of the designation report in the building and if so were staff aware of it and informed to follow it. Also the committee asked Pascal Doucet to find out what the plans were to correct the problem.

3. 68 Joseph Street

A request came from the owner of this property for listing and a plaque. Do to the complexity of the information on this site Paul
Willoughby asked Stav Kassaris for help. Stav Kassaris showed pictures of the house and lot at the meeting. The house sits on a long narrow lot. The style is known as ‘Gable Front’. It is located in an established neighbourhood, with the same set back as its neighbours. It was built in the 1920’s. Stav Kassaris will complete the listing report.

4. Copeland Chatterson Building

Lynda Voegtle asked for an update on the plans for the site. Stav Kassaris informed her that it was going through the final site plan approval presently. Stav Kassaris also said that the building will be rental accommodation not condominium as originally planned. The committee asked for regular updates.

5. 223 Queen Street East

Lynda Voegtle will continue working on this designation report. Lynda Voegtle will also continue researching Henry Hergaarden, the builder, and the other houses he built.

6. Locations on Peel Avenue and Wellington Street East

Earlier in 2018 these properties were given to members of the Brampton Heritage Board, along with detailed packages, to prepare listing reports for them. Stav Kassaris will complete these reports. Ken Wilde contributed some information on 64 Wellington Street East. It was the rectory for Christ Church Anglican at one time and was later turned into a double house. Ken Wilde also told us that 68 Wellington Street East was the home of Andrew Harkes, a Town of Brampton Police Chief.

7. Region of Peel Archives at PAMA

Lynda Voegtle raised concerns about the reduction of hours at the Archives. It is now closed between 12:00 and 1:00 p.m. for lunch. All
researchers must leave during those hours. The committee raised the fact that this is a public service and should be available not only during these hours but also on Saturdays (they were at one time) and Mondays.
Present: Lynda Voegtle, Ken Wilde, Paul Willoughby, Cassie Jasinski

Agenda:

1. Credit Valley Trail

Cassie handed out a spreadsheet showing historical locations the length of the river. We were asked to each take at least one location and find out what we could about it. The information is to be to Cassie by the end of February 2019. A consultant will soon be hired to handle the interpretive planning.

2. Camp Naivelt

Possible solutions for Camp Naivelt were discussed in relation to the recent heritage permit application submitted. Pursuit of National Designation is still a possibility.

3. Armstrong Farmhouse, Hurontario Street North

The plans for the Armstrong Farmhouse were discussed and the potential location of the interpretive plaque. There are plans for a living wall for around the property. The house will be situated to the north of the property and access will be a road with a stop light at Tremblay which currently only runs east.

4. Possible New Sub-committee

It has been suggested that a sub-committee should be created for City-owned cultural heritage resources. Guidelines need to be in place for the maintenance of these properties the same as they are for private citizens. More thought etc. is necessary.
Lynda Voegtle made the suggestion that each Heritage building be inspected by a City of Brampton building Inspector with a report back within a month. These reports will give us insight into what needs to be done and the timeframe necessary.

5. Carnegie Library & Crawford House

These two buildings both have access problems. Heritage should be working with Community Services on these.

6. Heritage Times

Cassie reminded us to be working on articles for the next edition.

7. Copeland-Chatterson Building

Cassie provided an update on the Copeland-Chatterson Building.

8. Richard Elliott Farmhouse

Cassie provided an update on the Farmhouse and the status of the development application for this property.
Proposed Heritage Designations

- Downtown Heritage Conservation Districts
- All Heritage Cemeteries in the City of Brampton
- 3864 Countryside Drive – Pendergast Log House – Ward 10
- 86 Main Street North – Heritage Theatre – Ward 1
- 7715 Kennedy Road South – Graham-Rutledge Property – Ward 3 (cultural heritage landscape designation)
- 70 Main Street North – Robson Block – Ward 1
- 23 Centre Street South – Kilpatrick-Young House – Ward 3
- 1985 Bovaird Drive West – McCandless Plank House – Ward 6
- 3448 Castlemore Road (Squire Thomas Burrell Grist Mill Site/Burrell’s Hollow) – Ward 10
- 10900 Coleraine Drive (Cole Farmhouse) – Ward 10
- 10100 The Gore Road – Ward 10
- 10192A Highway 50 – Ward 10
- 1 Peel Village Parkway (The Watson Roundhouse) – Ward 3
- 11651 Bramalea Road (Archdekin-Giffen Farmhouse) – Ward 9
- 10254 Hurontario Street (Learment/C. Armstrong Farmhouse) – Ward 2
- 860 North Park Drive – Ward 7

Note: The following heritage designation by-laws were passed at the Council Meeting of January 23, 2019:
- By-law 16-2019 – 23 Elliott Street – Ward 3
- By-law 17-2019 – 1 Boracay Lane (formerly 11285 Creditview Road – Drinkwater Farmhouse) – Ward 6
- By-law 18-2019 – 2472 Bovaird Drive West – Ward 6
- By-law 19-2019 – 11690 Chinguacousy Road (Taylor-Monkman Farmhouse) – Ward 6
- By-law 20-2019 – 4585 Mayfield Road (Peter Archdekin Farmhouse) – Ward 9
Date: 2019-02-12

Subject: Alterations to a Designated Heritage Property - 563 Bovaird Drive East (Bovaird House) – Ward 1 (H.Ex. 563 Bovaird Drive)

Contact: Pascal Doucet, Heritage Planner, Planning & Development Services, (905) 874-2780, pascal.doucet@brampton.ca

Recommendations:

1. That the report from Pascal Doucet, Heritage Planner, Planning and Development Services, dated February 12, 2019, to the Brampton Heritage Board Meeting of February 19, 2019, re: Recommendation Report: Alterations to a Designated Heritage Property – 563 Bovaird Drive East (Bovaird House) – Ward 1 (H.Ex. 563 Bovaird Drive), be received; and

2. That the Heritage Permit Application for the alterations to the designated property at 563 Bovaird Drive East (Bovaird House) be approved subject to the following terms and conditions:

   a. that the alterations of the Bovaird House for the construction of a sloped walkway, stairs, landing, retaining walls and wood railings on the northwest elevation; the installation of accessible hardware on the interior and exterior of the house; the installation of copper flashing and repairs to the wood window sills on all elevations; and the repairs to the entrance doors and door hardware be carried out in accordance with the plans, drawings, specifications and project description attached hereto as Appendix C;

   b. that Planning and Development Services (Heritage) be notified prior to the commencement of any work that is not identified in the Plans and Drawings received on February 12, 2019 as part of the application to obtain approval under Section 33 of the Ontario Heritage Act, for review and documentation; and

   c. that the approval for alterations given under Section 33 of the Ontario Heritage Act expire two years after the date where Council has given its consent to alter the property.
Overview:

- The property at 563 Bovaird Drive East is designated under Part IV, Section 29 the *Ontario Heritage Act* for its cultural heritage value or interest.

- Heritage staff received a heritage permit application made in accordance with Section 33 of the *Ontario Heritage Act* for the construction of new stairs and accessible sloped walkway, the repairs and installation of copper flashing on the wood window sills, the installation of accessible hardware and the repairs of the entrance doors, sidelights and door hardware.

- Based on the information provided in the application to obtain approval under Section 33 of the *Ontario Heritage Act*, it has been determined that the proposed alterations are affecting the interior and exterior of the Bovaird House.

- This report recommends that the Brampton Heritage Board endorse the application for the alterations to the designated heritage property at 563 Bovaird Drive East (Bovaird House) subject to the terms and conditions recommended in this report.

Background:

**Decision History**

The property at 563 Bovaird Drive East (Bovaird House) is designated under Part IV, Section 29 of the *Ontario Heritage Act*, as amended (the “Act”) with the passage of By-law No. 298-81 on December 14, 1981.

An accessibility audit of the Bovaird House was conducted to identify and recommend accessibility improvements for this building. This audit recognizes the importance of preserving the cultural heritage value and interest of the Bovaird House and, accordingly, recommends improvements that would not negatively impact the integrity of the building. The sloped walkway was included as part of the accessibility improvements recommended in this audit.

Community Services has identified the need to undertake repairs and work that will affect the wood window sills, entrance doors, sidelights and door hardware. This scope of work has been deemed necessary to ensure the long-term preservation of the Bovaird House.

**Legislative Framework**

The property at 563 Bovaird Drive East is subject to the *Ontario Heritage Act*. As such, no heritage attribute can be affected by any alteration without prior approval as required
under Section 33 of the Ontario Heritage Act. Heritage staff has determined that the alterations proposed under this heritage permit application will affect the heritage attributes found on the exterior and interior of the Bovaird House.

An application made under Section 33 is required to be accompanied by a detailed plan and to set out such information as Council may require. The application for alterations may be approved, approved with terms and conditions or refused. The Act provides a period of 90 days for Council to make a decision upon receipt of a complete application.

Policy Framework
Alterations to the designated property at 563 Bovaird Drive East (Bovaird House) are subject to the following policy framework:

The Planning Act
The Planning Act guides development in the Province of Ontario and states that municipalities must have regard for matters of provincial interest. The conservation of features of significant architectural, cultural, historical, archaeological or scientific interest is identified under paragraph 2(d) of the Planning Act as a matter of provincial interest.

Provincial Policy Statement (2014)
The Provincial Policy Statement is issued under the authority of Section 3 of the Planning Act. The Planning Act requires that all decisions affecting land use planning be consistent with the Provincial Policy Statement. Policies 1.7.1 d) and 2.6.1 of the Provincial Policy Statement direct that:

“Long-term economic prosperity should be supported by: d) encouraging a sense of place, by promoting well-designed built form and cultural planning, and by conserving features that help define character, including built heritage resources and cultural heritage landscapes”

“Significant built heritage resources and significant cultural heritage landscapes shall be conserved”

Growth Plan for the Greater Golden Horseshoe
The Growth Plan for the Greater Golden Horseshoe (2017) provides a framework for managing growth within the Greater Golden Horseshoe region. Policy 4.2.7.1 of the Growth Plan states that: “Cultural heritage resources will be conserved in order to foster a sense of place and benefit communities, particularly in strategic growth areas.”

City of Brampton Official Plan
The proposed alterations are subject to the Cultural Heritage Policies of the Official Plan. More specifically, the policies that are relevant in the context of this report and heritage permit application are:
Heritage resources will be protected and conserved in accordance with the Standards and Guidelines for the Conservation of Historic Places in Canada, the Appleton Charter for the Protection and Enhancement of the Built Environment and other recognized heritage protocols and standards. Protection, maintenance and stabilization of existing cultural heritage attributes and features over removal or replacement will be adopted as the core principles for all conservation projects.

Alteration, removal or demolition of heritage attributes on designated heritage properties will be avoided. Any proposal involving such works will require a heritage permit application to be submitted for the approval of the City.

The City shall designate all city-owned heritage resources of merits under the Ontario Heritage Act and shall prepare strategies for their care, management and stewardship.

The City shall protect and maintain all city-owned heritage resources to a good standard to set a model for high standard heritage conservation.

The City of Brampton Accessibility Technical Standards will be applied to public heritage facilities and will be assessed on a case-by-case basis to determine the most effective and least disruptive means of retrofit, where required, to improve accessibility for persons with disabilities.

Current Situation:

Application to alter a designated property
An application to permit the alterations of a designated property was filed on February 12, 2019. This application was deemed complete on the same date. The Plans and Drawings received and filed as part of this application are attached hereto as Appendix C.

The scope of work proposed under this application consists of:

- construction of a sloped walkway, stairs, landing, retaining walls and wood railings on the northwest elevation of the Bovaird House;
- installation of accessible hardware on the exterior and interior of the Bovaird House to operate the entrance door of the northwest elevation;
- repairs and installation of copper flashing on the wood window sills on all elevations of the Bovaird House; and
- repairs to the entrance doors, sidelights and door hardware on the northwest, southwest and southeast elevations.
New stairs and accessible sloped walkway
The proposed alterations include the construction of new stairs and accessible sloped walkway leading to a common concrete landing providing access to the entrance door on the northwest elevation of the Bovaird House which is facing Bovaird Drive East. The unit pavers that will be installed to link the new stairs and sloped walkway with the existing walkways leading to the Bovaird House will match the exiting unit pavers. The height of the retaining walls required for this project will not exceed the height of the stone foundation walls of the Bovaird House. The new retaining walls will have a chiseled concrete finish with no expansion joint. The wood railing and posts that will be constructed have been designed and selected to match and fit harmoniously with the existing railing and posts found on the stairs and landing providing access to the entrance door on the southwest elevation of the Bovaird House.

Installation of accessible hardware
The accessible hardware proposed within this heritage permit application consist of: an exterior 100mm by 100mm power door operator button mounted on a bollard that will be installed on the concrete landing, an interior 100mm by 100mm power door operator button mounted on a plywood panel of 90mm by 90mm, as well as drive mechanism and casing mounted above the entrance, inside the Bovaird House. The plywood panel and interior power door operator will be mounted with construction adhesive, and the conduit for connecting the electric wiring to this button will require that a quarter of an inch hole be drilled within the plaster wall and wood wainscoting. The electrical wiring to connect the components of the accessible hardware will be concealed within the walls of the Bovaird House by using existing conduits and receptacles. The exterior bollard will be covered with a wood veneer and wood cap to blend harmoniously within the wood railing and posts of the new stairs and accessible sloped walkway. The drive mechanism casing will be painted to match the color of the wall, and the plywood plate for the installation of the interior power door operator button will be painted to match the color of the interior wood wainscotting. The existing wood entrance door, door jamb and door frame will be maintained and preserved.

Alterations to the wood window sills
These alterations will be made to the exterior window sills found on all four elevations of the Bovaird House. These alterations consist of installing copper flashing with drip edge to deviate water away from the windows and the house, as well as repairs that have been deemed necessary to extend the lifespan of these sills and therefore ensure their long-term preservation.

Alterations to entrance doors, sidelights and door hardware
The entrance doors of the Bovaird House are found on the northwest, southwest and southeast elevations. The scope of work for the alterations proposed to these doors consists of repairing these wooden doors, sidelights on the southwest elevation and door hardware (door knobs and deadbolts). The existing door hardware on the entrance door of the southeast elevation is made of stainless steel and not original. The stainless
steel hardware will be replaced to match the existing door hardware of the northwest entrance door. The remaining door hardware will be repaired or replaced in kind in cases where the hardware is beyond repair.

Analysis
The proposed alterations are supportable with the terms and conditions recommended in this report. Providing accessibility to a cultural heritage resource that is also a facility for the community is a desirable outcome. The solutions that best balance accessibility needs with heritage value are those that enhance the use and appreciation of a place of cultural heritage significance for everyone. In this case, the proposed accessibility improvements are supportable because the following reasons are demonstrating that the most appropriate solutions to improve accessibility will have the least visual and physical impact on the property’s heritage value, integrity and attributes:

- The proposed alterations are reversible which means that it would possible to return the Bovaird House to its prior condition.
- The material and appearance of the chisel concrete walls, wood railing, posts and accessible hardware have been designed and selected to ensure that the work will be compatible with, subordinate to and distinguishable from the heritage fabric of the Bovaird House.
- The drive mechanism casing will be painted to match the color of the interior wall, and the plywood plate for the installation of the interior power door operator button will be painted to match the color of the interior wood wainscoting.
- The existing door will be maintained, preserved and used for operating the accessible hardware.
- A waterproofing membrane will separate the proposed landing from the existing stone foundation wall of the Bovaird House to prevent damage caused by friction.
- The wires to operate the accessible hardware will be concealed by using the existing conduits and receptacles existing within the walls of the Bovaird House.
- The gentlest means possible have been selected for the installation of the interior power door operator button.

The installation of copper flashing, repairs to the window sills, entrance doors, sidelights and door hardware are supportable because this work has been deemed necessary for the long-term preservation of the Bovaird House for the following reasons:

- The copper flashing will have drip edges that will deviate water away from the windows and window sills.
- The copper flashing and repairs to the window sills will extend their lifespan.
- The repairs to the entrance doors and sidelights will extend their lifespan.
- The selection of copper flashing is appropriate in this case because it is considered a high-quality material compatible with the Georgian style of the Bovaird House.
- The window sills, entrance doors and sidelights are repaired by using a minimal intervention approach.
The hardware on the entrance doors is being restored by replacing the stainless steel door hardware of the entrance door on the southeast elevation with period-appropriate hardware.

Corporate Implications:

Financial Implications:
City Council has approved funding for the scope of work described in this report in 2012. Top-up capital funding for this scope of work was also approved by City Council in 2017.

Other Implications:
There are no other implications resulting from the adoption of the recommendations in this report.

Strategic Plan:
This report achieves the Strategic Plan priorities by preserving and protecting heritage environments with balanced and responsible planning.

Living the Mosaic – 2040 Vision:
This report aligns with the following vision:

- **Vision 5:** in 2040, Brampton will be a rich mosaic of cultures and lifestyle, coexisting in **social responsibility**, respect, enjoyment and justice.

Conclusion:
Building Design and Construction and the City’s Accessibility Coordinator have been working in consultation with Heritage staff to ensure that the proposed alterations are recommended because they demonstrate that the property’s heritage attributes, value and integrity will be conserved, and appropriate solutions were implemented to respect the uniqueness and significance of this built heritage resource. The proposed interventions are supported by Planning and Development Services (Heritage) provided that the work is subject to the terms and conditions recommended in this report.

Approved by: Pam Cooper, MCIP, RPP
Manager, Land Use Policy

Approved by: Bob Bjerke, MCIP, RPP
Director, Policy Planning
Attachments:

Appendix A – Location Map

Appendix B – Photographs

Appendix C – Application Material for Heritage Permit

Report authored by: Pascal Doucet, MCIP, RPP, Heritage Planner, Planning & Development Services, 905-874-2780, pascal.doucet@brampton.ca
This map is for information purposes only and is oriented with the North at the top. The exact boundaries are not shown. The arrow marks the location of the property at 563 Bovaird Drive East (Bovaird House).
Appendix B – Photographs – Alterations to a Designated Heritage Property – 563 Bovaird Drive East (Bovaird House) – Ward 1 (He.x 563 Bovaird Drive)

Photograph looking east and showing the northwest (left) and southwest (right) elevations of the Bovaird House. Source: City of Brampton, September 2018.
Appendix B – Photographs – Alterations to a Designated Heritage Property – 563 Bovaird Drive East (Bovaird House) – Ward 1 (He.x 563 Bovaird Drive)

Photograph looking east and showing the northwest entrance door where the proposed stairs, accessible sloped walkway and landing are proposed. Source: City of Brampton, September 2018.
Appendix B – Photographs – Alterations to a Designated Heritage Property – 563 Bovaird Drive East (Bovaird House) – Ward 1 (He.x 563 Bovaird Drive)

Photograph showing the interior of the northwest entrance door and surrounding wood wainscoting. Source: City of Brampton, September 2018.
PART TWO - HERITAGE PERMIT APPLICATION:

HERITAGE PERMIT APPLICATION FORM

In accordance with the Ontario Heritage Act a heritage permit must be issued by City Council for all proposals to erect, remove or alter the exterior of buildings, structures or other features described as heritage attributes within the scope of a heritage designation by-law.

City staff and the Brampton Heritage Board review all applications and then submit them to City Council for approval.

City Council has the authority under the Ontario Heritage Act to approve any heritage application either with or without conditions or to refuse the permit application entirely.

Please provide the following information (type or print)

A. REGISTERED OWNER
NAME OF REGISTERED OWNER(S) The Corporation of the City of Brampton

TELEPHONE NO. HOME ( ) BUSINESS: (905) 874-2000 FAX: ( )

E-MAIL ADDRESS:
MAILING ADDRESS: 2 Wellington St. W., Brampton, ON L6Y 4R2

B. AGENT
(Note: Full name & address of agent acting on behalf of applicant; e.g. architect, consultant, contractor, etc)

NAME OF AGENT(S) Adrian Deoliveira

TELEPHONE NO. 1 (905) 874-3865 BUSINESS: FAX: ( )

E-MAIL ADDRESS: Adrian.Deoliveira@brampton.ca
MAILING ADDRESS: 2 Wellington St. W., Brampton, ON L6Y 4R2

Note: Unless otherwise requested, all communications will be sent to the registered owner of the property.
C. LOCATION / LEGAL DESCRIPTION OF SUBJECT PROPERTY

LOOTS(S) / BLOCK(S) 10

CONCESSION NO. CON 2 E.H.S.  REGISTERED PLAN NO. M-303

PART(S) NO.(S)  REFERENCE PLAN NO.

ROLL NUMBER: 10-09-014-14900-0000

PIN (PROPERTY IDENTIFICATION NO.) 14142006

D. OVERALL PROJECT DESCRIPTION / SUMMARY OF PROPOSAL

Scope of Work includes the following:

1. Exterior Sloped Walkway, Stair, Landing, Retaining Walls and Wood Railings which includes:
   a. Sloped walkway installed with existing unit pavers. New unit pavers required to cover entire walkway to
      match existing unit pavers (see Appendix '4').
   b. Poured concrete stair with unit paver step (see Appendix '4') and two (2) Kinesik Cast Iron Tactile Walking
      Surface Indicator plates (see Appendix '10') at top of stair.
   c. Concrete poured slab-on-grade landing connecting to house with asphalt impregnated fibreboard (see
      Appendix '4') and Dörken Systems Inc. DELTA-DRAIN waterproofing membrane, or equal, (see Appendix
      '4 & 9').
   d. Poured concrete retaining walls with chisel-concrete finish on all exposed vertical surfaces (see Appendix
      '4 & 6').
   e. Pressure-treated wood railings to match existing wood railings at the West entrance (see Appendix '4 & 6').

2. Copper Flashings at Windows
   a. Lead-coated copper flashings at all window sills (see Appendix '5').
   b. Metal cleats secured to existing wood sills (see Appendix '5').
   c. Sanding and repair of cracks and holes in existing wood window sills and painting to match existing (see
      Appendix '5').

3. Accessible Hardware
   a. Proposed accessible hardware including an exterior bollard on the concrete landing, 4x4" push buttons and
      drive mechanism in interior above the door (see Appendix '4 & 7'). Drive mechanism casing to be painted to
      match colour of the wall.

4. Repairs to Door Hardware and Doors
   a. Repair door knobs and deadbolts on entrance doors (see Appendix '7'). Where door hardware is damaged
      beyond repair, replace to match existing.
   b. Removal of existing modern stainless steel door hardware of South entrance door and replace with new
      door hardware to match existing door hardware on North entrance door (see Appendix '7').
   c. Restore three existing entrance doors, frames, thresholds and sidelights at west entrance. Replace
      damaged door panels as required, epoxy-fill cracks, lightly sand door, prime, paint to match existing, and
      add weather stripping (see Appendix '7').
E. DESCRIPTION OF WORKS
(Please briefly describe the proposed works as they fit within one or more of the categories below; note the specific features that would be affected. Use separate sheets as required; attach appropriate supporting documentation; point form is acceptable):

Rehabilitation and/or Preventative Conservation Measures (e.g. repointing masonry; note which heritage attributes and features would be impacted and where, materials to be used, specifications and techniques):

See attached drawings and Part 'D' summary.

Major Alterations, Additions and/or New Construction (note which attributes to be impacted, location of work, materials to be used, specifications and techniques):

Restoration (i.e. replicating or revealing lost elements and features; note which attributes to be impacted and where, materials to be used, specifications and techniques):
**F. SCOPE OF WORK IMPACTING HERITAGE PROPERTY**

(Check all that apply) See attached drawings and Part 'D' summary.

- NEW CONSTRUCTION IS PROPOSED
- DEMOLISH
- ALTER
- EXPAND
- RELOCATE

**G. SITE STATISTICS** (For addition and construction of new structures)

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<th>DEPTH</th>
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<td>LOT AREA</td>
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<td>EXISTING BUILDING COVERAGE</td>
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<td>BUILDING HEIGHT</td>
<td>EXISTING</td>
<td>m</td>
</tr>
<tr>
<td>BUILDING WIDTH</td>
<td>EXISTING</td>
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ZONING DESIGNATION

OTHER APPROVALS REQUIRED: (Check off only if required)

- MINOR VARIANCE (COA)
- SITE PLAN APPROVAL
- BUILDING PERMIT
- CONSERVATION AUTHORITY
- SIGN BYLAW APPROVAL

(Note: IF YES, other approvals should be scheduled after the Heritage Permit has been approved by City Council)
H. CHECKLIST OF REQUIRED INFORMATION SUBMITTED
(Check all that apply)

- [X] REGISTERED SURVEY
- [X] SITE PLAN (showing all buildings and vegetation on the property)
- [ ] EXISTING PLANS & ELEVATIONS - AS BUILT
- [X] PROPOSED PLANS & ELEVATIONS
- [X] PHOTOGRAPHS
- [X] MATERIAL SAMPLES, BROCHURES, ETC
- [ ] CONSTRUCTION SPECIFICATION DETAILS

I. AUTHORIZATION / DECLARATION
I HEREBY DECLARE THAT THE STATEMENTS MADE HEREIN ARE, TO THE BEST OF MY BELIEF AND KNOWLEDGE, A TRUE AND COMPLETE PRESENTATION OF THE PROPOSED APPLICATION.

I UNDERSTAND THAT THIS HERITAGE PERMIT DOES NOT CONSTITUTE A BUILDING PERMIT PURSUANT TO THE ONTARIO BUILDING CODE.

I ALSO HEREBY AGREE TO ALLOW THE APPROPRIATE STAFF OF THE CITY OF BRAMPTON TO ENTER THE SUBJECT PROPERTY IN ORDER TO FULLY ASSESS THE SCOPE AND MERITS OF THE APPLICATION.

(Property entry, if required, will be organized with the applicant or agent prior to entry)

February 1, 2019

Signature of Applicant or Authorized Agent

Date of Submission

Heritage Permit applications are submitted to the Planning, Design and Development Department, 3rd Floor Counter, Brampton City Hall,

The personal information on this form is collected under the authority of the Ontario Heritage Act, RSO 1990. The information will be used to process the Heritage Permit Application. Questions about the collection of personal information should be directed to the Heritage Coordinator, 2 Wellington Street West, Brampton, Ontario L6Y 4R2, 905-874-3825.
APPENDICES
APPENDIX 1

Brampton Maps Registry
563 Bovaird Drive East

CITY OF BRAMPTON
Planning & Development Services
( Heritage) Received:

FEB 12 2019
### Historic Bovaird House Heritage Application

#### Address Points (Closest Feature)

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<th>WARD</th>
<th>LOT NUMBER</th>
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**Address Points**

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<th>Secondary Plan Area</th>
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<td>141420006</td>
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<td>CHINGUACOUS Y</td>
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<th>Property Code Description</th>
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<td>488058</td>
<td>563</td>
<td>BOVAIRD</td>
<td>DR</td>
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#### Building Permits (Closest Feature)

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#### Building Permits

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<td>TOP ASPHALT</td>
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### Site Plan Applications (Closest Feature)

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<td>563 Bovard Drive West</td>
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### Site Plan Applications

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<th>Agent Company</th>
<th>Applicant Company</th>
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APPENDIX 2

Site Plan Pertaining to Sloped Walkway
APPENDIX 3

Survey
APPENDIX 4

Sloped Walkway and Stair, Landing, Retaining Walls Push Buttons and Bollard
APPENDIX 5

Copper Flashings at Windows and Sill Repairs
Existing Window Section and Elevation Detail

SECTION
SCALE: 1:10

ELEVATION
SCALE: 1:20

NOTE: WINDOW SECTION AND ELEVATION DETAIL APPLIES TO ALL EXISTING WINDOWS AT BOVAIRD HOUSE.
APPENDIX 6

Sloped Walkway Render

Poured Concrete Retaining Walls with Chisel-Concrete Finish on Exposed Vertical Surfaces

Pressure-Treated Wood Railings to Match Existing Wood Railings at West Entrance
APPENDIX 7

Repairs to Door Hardware and Doors
Restore existing entrance door, frame, and threshold. Replace damaged door panels by installing, glazing, and weather stripping. Replace existing door hardware. Where door hardware exhibits damage, replace, relocate, or add weather stripping.
APPENDIX 8

Existing Elevation Photos
APPENDIX 9

Dörken Systems Inc. DELTA-DRAIN
Reliable Long Term Protection:

DELTA®-DRAIN

For Horizontal and Vertical Drainage Applications.

DELTAtDRAIN

For Horizontal and Vertical Drainage Applications.

DELTA® quality branded products made by Dörken.
Technical Data Overview:

<table>
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<th>Material</th>
<th>drainage core: recycled &amp; virgin HDPE, geotextile: PP</th>
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<tr>
<td>Dimple height</td>
<td>5/16” (8 mm) ASTM D6364-06</td>
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<td>Compressive strength</td>
<td>approx. 5,200 psf (250 kN/m²) ASTM D6364-06</td>
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<td>Water penetration resistance (core)</td>
<td>&gt;120 psi (815 kPa) Watertight AATCC 127-1995</td>
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<tr>
<td>Flow rate / unit with</td>
<td>5.2 gal/min/ft (65 L/min/m) ASTM D4716-08 @ hydr. grad. 1.0; 180 kPa</td>
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<td>Flow rate / unit with</td>
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<td>Application Temperature</td>
<td>-22° F to +176° F (-30° C to +80° C)</td>
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<tr>
<td>Chemical properties</td>
<td>Excellent chemical resistance, resistant to root penetration</td>
</tr>
<tr>
<td>Toxicity</td>
<td>non-toxic, non-polluting</td>
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<tr>
<td>Roll dimensions / weight</td>
<td>6' x 65'-7&quot; (1.83 m x 20 m) 60 lbs (27.2 kg)</td>
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<td></td>
<td>8' x 65'-7&quot; (2.45 m x 20 m) 73 lbs (33.1 kg)</td>
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<td>Installation depth</td>
<td>up to 12' (3.7 m)</td>
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<tr>
<td>Service life expectancy</td>
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- Drains water away from foundation wall.
- High drainage capacity.
- Prevents build-up of hydrostatic pressure.
- Highly effective protection layer for waterproofing.
- Special geotextile will not rot and prevents clogging of the flow passages.
- High compressive strength.
- High impact resistance, high chemical and environmental stress crack resistance.
- Unaffected by environmental influences, like acidic soils or alkalinity (concrete).
- Contains 100% recycled core protected on both sides with virgin HDPE for superior durability.
- Easy to install.
- Exclusive dimple pattern allows for easy corner installation.
- 8' size rolls for fewer material overlaps, less seams, less labor.
- For horizontal and vertical applications.
- Approved by the National Building Code (CCMC 13209-R).
APPENDIX 10

Kinesik Cast Iron Tactile Walking Surface Indicator
Designed for Durability
Engineered for Ultimate Strength™

Advantage® Cast Iron Tactile Walking Surface Indicator (TWSI) plates are manufactured in strict accordance with ASTM A-48, Class 35B Grey Cast Iron. The Advantage® Cast in Place System is lightweight with exceptional high strength, and utilizes the most advanced metallurgical Engineering Science and Technology to meet and exceed the most stringent municipal standards. Advantage® Cast Iron is aesthetically pleasing, has exceptional longevity and incorporates integral texture for a permanent slip resistant surface.

Tactile Walking Surface Indicators (TWSI) products for the following and many more applications:
- Curb Ramps
- Pedestrian Crossings
- Transit Platforms
- Vehicular Passage Ways
- Parking Areas
- Top of Stair Landings

COMPLIANCE
Kinesik Engineered Products Incorporated is in full compliance with Canadian Accessibility Codes. The full product range of Kinesik tactile walking surface indicators meet the most recent AODA, CSA, ISO, provincial and national building codes. Kinesik Engineered Products Incorporated is your one stop source for all tactile systems for internal and external applications. Only Kinesik provides a complete range of products designed for safety, convenience and code compliance.

See back for details.
PROFESSIONAL ASSOCIATIONS
Kinesik is proud to be a member of the following organisations:

- The Road Authority
- CUTA/ACTU
- IDC

STANDARD COLOUR

- Uncoted Natural Patina

OPTIONAL COLOURS

- Federal Yellow
- Safety Red
- Onyx Black

ADVANTAGE® CAST IRON SIZES

<table>
<thead>
<tr>
<th>Standard Radial</th>
<th>Radius</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot;x24&quot; (457 mm x 610 mm)</td>
<td>18&quot; (457 mm)</td>
</tr>
<tr>
<td>24&quot;x24&quot; (610 mm x 610 mm)</td>
<td>15&quot; (381 mm)</td>
</tr>
<tr>
<td>30&quot;x24&quot; (762 mm x 610 mm)</td>
<td>17.5&quot; (445 mm)</td>
</tr>
</tbody>
</table>

PLATE SPECIFICATIONS

- Standard Specification for Grey Iron Castings, Class 35B

<table>
<thead>
<tr>
<th>ASTM Reference</th>
<th>Test Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASTM C 1028</td>
<td>Static Coefficient of Friction</td>
<td>≤ 1.1 wet/dry</td>
</tr>
<tr>
<td>ASTM A 327</td>
<td>Impact Resistance</td>
<td>No damage ≥ 24 J</td>
</tr>
<tr>
<td>ASTM A 48</td>
<td>Compressive Strength</td>
<td>785 MPa</td>
</tr>
<tr>
<td>ASTM E8/E8M-13a</td>
<td>Tensile Strength</td>
<td>≥ 241 MPa</td>
</tr>
<tr>
<td>ASTM C 561</td>
<td>Abrasive Wear Index</td>
<td>&gt; 55</td>
</tr>
</tbody>
</table>

APPLICATIONS

- Accessible curb ramps align with the safe pedestrian crossing route across the vehicle roadway.
- An entry into a vehicular route or area where no curbs or other elements separate it from pedestrian route such as curb ramps, wheel chair ramps, top of stairs/escalators and blended transitions.
- An unprotected drop off edge, such as a transit platform where the change in elevation is greater than 250 mm or the slope is steeper than in a ratio of 1:3 (33%).