Design Review Panel: Hamilton Children’s Museum
1072 Main Street East
Hamilton, Ontario
24 September 2021

Attn: Joe Buordolone
       Urban Designer & Design Review Panel Coordinator

Re: 1072 Main Street East, Hamilton
     Design Review Panel Submission

Dear Joe Buordolone,

Workshop has been retained as the authorized consultant acting on behalf of the 1072 Main Street East (Owner). We are pleased to submit the enclosed Design Review Panel application on their behalf.

In support of this application, please find enclosed the following:

- One (1) copy of the completed Applicant Project Summary Sheet
- One (1) copy of the Architectural Drawings prepared by Workshop Architecture
- One (1) copy of the Landscape Drawings prepared by Aboud & Associates Inc

We trust the enclosed is in order, however please feel free to contact me with any questions.

Yours sincerely,

David Colussi, OAA, MAIBC, LEED AP, BSSO
Director

david@workshopto.ca
416-901-8055 x9
Applicant Name: Workshop Architecture

Panel Meeting Date: 14 October, 2021

Project Address: 1072 Main Street East, Hamilton, ON, L8M 1N6

Date of Panel Pre-Consult [if applicable]: N/A

Application Type [e.g. Site Plan, Re-zoning]: Site Plan Approval

Proposed Use, Description of Project and Brief description of adjacent uses: [e.g. Office, Residential]:

The proposal is to build an approximately 344 sqm (3700 sq ft) single-storey addition to the existing Hamilton Children’s Museum. The existing museum located within a historic house is situated on the north-east corner of Gage Park. The facility currently consists of 5 program rooms and staff offices spread across two floors. The addition will add one large exhibition space along the west face of the house and a one multi-use program space at the south face of the house.

Abutting the lands to the north across Main Street East are a predominant mix of 2-storey single detached dwellings in addition to a few 3-storey apartments and mixed-use commercial residential units. East of the property are children’s playgrounds and the backyards of 2-storey single detached dwellings along the eastern edge of the park. Abutting the property to the south is the expanse of Gage Park, with views of the Gage Park Rose gardens and Tropical Greenhouse. West of the lands is the formal horticulture display gardens and children’s playgrounds.

Policy and guideline documents examined in preparing proposal [please list specific guidelines examined]:

City of Hamilton Zoning By-law 05-200
– Section 5.6: Parking Schedules
  – Section 7.3: City Wide Park P3 Zone

Urban Hamilton Official Plan
– Schedule E: Urban Systems and Designations

Gage Park Master Plan

Existing zoning: City Wide Park (P3) Zone in City of Hamilton Zoning By-law 05-200
### Zoning/Site Plan Details [complete relevant sections]

<table>
<thead>
<tr>
<th>Permitted height and/or permitted density:</th>
<th>Proposed height and/or proposed density:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permitted Height: 11m</td>
<td>Proposed Height: 9.7m</td>
</tr>
</tbody>
</table>

**Permitted Setbacks**

<table>
<thead>
<tr>
<th></th>
<th>Front Yard</th>
<th>Side Yard</th>
<th>Rear Yard</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
<td>7.5m</td>
<td>N/A</td>
<td>7.5m</td>
</tr>
</tbody>
</table>

**Proposed Setbacks**

<table>
<thead>
<tr>
<th></th>
<th>Front Yard</th>
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<tbody>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Permitted Parking** [please provide ratio and total e.g. 0.5/unit – 60 spaces]

<p>| |</p>
<table>
<thead>
<tr>
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<tbody>
<tr>
<td>1 space/50m²</td>
</tr>
<tr>
<td>Total = 17 spots (1 barrier free spot)</td>
</tr>
</tbody>
</table>

**Proposed Parking** [please provide ratio and total e.g. 0.5/unit – 60 spaces]

<p>| |</p>
<table>
<thead>
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</tr>
</thead>
<tbody>
<tr>
<td>1 space/50m²</td>
</tr>
<tr>
<td>Total = 17 spots (2 barrier free spots)</td>
</tr>
</tbody>
</table>

If certain zoning provisions cannot be met, please explain why:

N/A

### Disclosure of Information

Consent of Owner to the Disclosure of Application Information and Supporting Documentation

Application information is collected under the authority of the *Planning Act*, R.S.O. 1990, c. P.13. In accordance with that Act, it is the policy of the City of Hamilton to provide public access to all Design Review Panel applications and supporting documentation submitted to the City.

Carolyn Samko, the Owner, hereby agree and acknowledge that the information contained in this application and any documentation, including reports, studies and drawings, provided in support of the application, by myself, my agents, consultants and solicitors, constitutes public information and will become part of the public record. As such, and in accordance with the provisions of the *Municipal Freedom of Information and Protection of Privacy Act*, R.S.O. 1990, c. M. 56, I hereby consent to the City of Hamilton making this application and its supporting documentation available to the general public, including copying and disclosing the application and its supporting documentation to any third party upon their request.

September 20th, 2021

NOTE 1: Where owner or applicant is a corporation, the full name of the Corporation with name and title of signing officer must be set out.

NOTE 2: Design Review Panel meetings are public.
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1.0 Introduction

1.1

PROPOSAL SUMMARY

The Hamilton Children's Museum is currently housed within the original Gage family house in the north east corner of Gage Park. The Gage House, which predates the formation of Gage Park in 1918, is a building of historical significance though it is not a listed heritage building. (Figure 1) The historic house consists of the main 2-storey block facing Main Street and two later additions consisting of a 2-storey and 1-storey tail to the rear (south).

The Hamilton Children's Museum has been operating out of Gage House in 1978, and subsequently added a "portable" to the south side of the original house to offer increased programming. Now, a major addition/renovation is proposed, which will enhance the original Gage house, provide the Children's Museum with a much-needed increase in operational floor areas offer an improved relationship with its immediate Gage Park context.

SCOPE OF WORK

Workshop was retained by the City of Hamilton to investigate potential additions/alterations to the Hamilton Children's Museum, in order to improve operations and the delivery of programming in the short to medium term. During consultation with museum staff, the following items were identified as impediments to the successful delivery of current programming:

- Entry area at the portable is congested (Figure 2)
- Internal hallways are narrow and create bottleneck conditions
- The multi-use program room and exhibit spaces are housed within the same space, which prevents them from being used independently
- Not achieving optimal occupancy (current allowable load is 80 people)

Workshop, together with the Children's Museum, worked to develop a strategy for the future of the institution. An expansion into the building addition was identified as the most desirable. In addition to the considerations raised by the museum, the following items are areas addressed by the proposal:

- Wayfinding and entry is unclear
- There is opportunity for signage/identity along Main Street East (increased visibility/patronage)
- Vehicle drop-off/parking configuration is inefficient and limits access from the museum to the park
- Presence and building relationship to Gage Park should be improved (Figure 3)
THE URBAN HAMILTON OFFICIAL PLAN

The Hamilton Children’s Museum is located along a Primary Corridor, Main Street East, as identified on Schedule E of the Urban Hamilton Official Plan, therefore a submission to the Design Review Panel is required prior to the issuance of conditional approval for the site plan application. See Figure 4 below for location of the subject property relative to the Primary Corridors.

Primary corridors are intended to serve two or more nodes, allowing for the development of vibrant pedestrian driven activity centres and employment areas. Primary corridors are transit-oriented places that are serviced by higher order transit systems. The character of these corridors should consist of a greater proportion of public and mixed-use forms instead of private or residential. The built form along these streets shall generally consist of low to mid-rise building typologies.

The following goals identified under Chapter E - Urban Systems and Designations that apply to this Primary Corridor are addressed by this proposal:

- E.1.0 b. Support and facilitate development and investment that contributes to the development of the overall urban structure
- The Hamilton Children’s Museum, being located at the intersection of two primary corridors, is identified as a unique typology of mixed institutional use with a residential character
- E.1.0 f. Promote and support design which enhances and respects the character of the existing neighbourhoods and creates vibrant, dynamic and livable urban places
- Situated just south of the Hamilton downtown urban growth centre, the mixed-use character and location of the museum within a park creates a physical and social point of interest for adjacent neighbourhoods.
- E.1.0 i. Protect and enhance a system of linked natural areas
- The presence of the building from a Primary Corridor allows it to act as a gateway into the wider Gage Park. The museum is located at the termination of the eastern-axis of the Fountain Terrace, creating a unique backdrop and relationship to the cultural heritage of Gage Park at large. Most of the building projects within Gage Park are situated closer to the southern border by the Niagara escarpment.

Figure 4: Neighbourhoods map
1.3

**THE GAGE PARK MASTER PLAN**

Gage Park is one of Hamilton’s finest cultural heritage landscapes. The classically design park was created in the early 1920s during the City Beautiful Movement. It is a landmark open space that covers 28.8 hectares (71 acres) in the Delta West neighbourhood of East Hamilton. The park is bounded by Main Street East (north), Gage Avenue South (west) and Lawrence Road (south).

The Gage Park Master Plan was carried out in 2010, including a storm water management study and several public consultation sessions. The extensive master plan proposed a site for the future museum along the with an orientation, vehicular access and relationships to adjacent buildings. Park features are identified in relationship to the axial organization of the original park design. *(Figure 5)*

Over the years, pavilions, greenhouses and play structures have populated the southern part of the park in response to the main north-south axis through the Gage Park Fountain Terrace. The Niagara Escarpment visually frames the park to the south, providing a picturesque backdrop to the historic fountain, gardens and communal structures at large. *(Figures 6 & 7)*

**Figure 5: Gage Park Master plan (2010)**

**Figure 6: Fountain Terrace against the escarpment backdrop**

**Figure 7: Historic postcard of the rose garden**
The northern strip of Gage Park sits along the Primary Corridor of Main Street East as identified under Schedule E of the Urban Hamilton Official Plan. Surprisingly the original Gage House and the prominent east-west axis of the formal gardens along this corridor has remained relatively unchanged since the conception of Gage Park. (Figure 8 & 9)

Although the Gage Park Master Plan (2010) has no governance over the current design of the Hamilton Children’s Museum, the guiding principles outlined by the historic Dunnington-Grubb plan (Figure 10) and more recent master plan are carried through by this proposal:

- Recommending adaptive re-use of the existing Gage House
- Strengthening the elegance of the park’s historic features, park promenade and the overall park geometry
- Improvement of universal accessibility within the park
- Introducing maintained landscape for outdoor education opportunities
- Providing a presence and interest in the park, improving sight lines to help enforce park safety
- Providing future needs while meeting current cultural and social needs of the surrounding community

Figure 8: Axial view from the Formal Gardens looking west

Figure 9: Axial view from Gage House looking east

Figure 10: Gage Park Master plan (1922)
SITE CONTEXT

The Hamilton Children's Museum is located in the Delta West neighbourhood, an established area that is bounded by the historic Gage Park to the west and the Niagara Escarpment to the south. Although mainly residential in character, the northern boundary is the intersection of two Primary Corridors, Main Street East and King Street East. The neighbourhood is well served by public transit, with express routes running along Main Street East, which connect the site to the downtown core.

The Hamilton Children's Museum is situated on the north-east corner of Gage Park. (Figure 11) An existing condition that affects all park zones is the level of crime, vandalism and graffiti. Physical barriers, such as low dense plant material, create visual obstructions into the park. Currently, a strong police presence is found in the park due to challenging staff allocations and reduced visibility across the large expanses of park zones.

Despite its frontage on a prominent arterial road, the museum suffers from a lack of public visibility. This condition is compounded by a confusing entrance sequence - the historic "front door" of the original house appears to be the public entrance, however the public entrance is located along the west side of the house at the link with the portable. For first time patrons, this entry location is the least intuitive and furthest from the parking lot. (Figures 12-15)

Figures 12-15: Entrance sequence from Primary Corridor, Main Street East
Directly to the north of the museum, on the opposite side of Main Street East, are Fast Food restaurants, low rise multi residential buildings and empty storefronts. (Figures 16-19)

Figures 16-19: Identity across Primary Corridor, Main Street East

Directly to the east, there are large existing public playgrounds and multiple green space areas. The backyards of residential homes are visible behind the large tree canopies. (Figures 20-21)

Figures 20-21: North-east corner of Gage Park

WORKSHOP
Directly to the south of the museum are a range of natural and manicured landscapes consisting of pedestrian pathways, playgrounds and maintained meadows. (Figures 22-25)

Figures 22-25: Gage Park directly south of museum

The west side of the proposed museum addition is exposed to the formal east-west axis of the Fountain Terrace, gardens and promenade as part of the original design from the 1922 master plan. (Figures 26-27)

Figures 26-27: East-West axis of cultural heritage landscape
2.1 INTRODUCTION

The Hamilton Children's Museum is currently housed within the original Gage family house in the north east corner of Gage Park. The Gage House, which predates the formation of Gage Park in 1918, is a building of historical significance though it is not a listed heritage building. The historic house consists of the main 2-storey block facing Main Street and two later additions consisting of a 2-storey and 1-storey tail to the rear (south).

The Hamilton Children's Museum has been operating out of Gage House in 1978, and subsequently added a "portable" to the south side of the original house to offer increased programming. Now, a major addition/renovation is proposed, which will enhance the original Gage house, provide the Children's Museum with a much-needed increase in operational floor areas offer an improved relationship with its immediate Gage Park context.

DESIGN BRIEF

Part of the appeal of the Children's Museum is its domestic scale. The rooms of the original Gage house are well suited to individual exhibit programming and serve small groups of visitors well. The new addition will maintain this intimate, domestic scale for visitors but with a clarified entrance sequence and expanded lobby area to accommodate group arrivals. (Figure 28)

- A new glazed circulation link will wrap the south and west sides of the building, culminating with a consolidated front entry lobby facing Main Street which will also encompass the original Gage House front door. The link provides a clear circulation route through the Museum connecting new and existing gallery spaces. (Figure 29)

- To the west side of Gage House, a large program space is proposed which will support a wider range of exhibit possibilities while still maintaining the intimate/domestic scale of the Museum

- To the south, at the location of the former "portable", a new program space complete with washroom/kitchenette will be provided, which will be operated as a leasable space for gatherings/parties in addition to wider Museum programming.

- Renovations to the existing building will focus on refurbishing washroom areas and the introduction of a LULA lift to facilitate a barrier free path of travel to the 2nd floor staff areas.

2.0 Design Proposal

Figure 28: New domesticity creates a unique identity

Figure 29: Public link distinguishes old and new
MASS & MATERIAL

The glazed link provides breathing space between the original house and the new addition. It is detailed as a frameless glass volume for enhanced transparency, the glass roof at the entry vestibule projection further extends this transparency.

The west and south program room additions use a consistent language of masonry clad, gable-roof volumes. This language draws on the domestic forms of the original Gage House, while clearly differentiating the new addition from original historic building fabric, including:

- A crisp roofline with no eves/overhangs at the addition vs the overhanging eaves and paired decorative brackets at Gage House (Figure 30)
- Glazed, vibrantly coloured concrete masonry cladding contrasts in scale, colour and texture from the brick of the original building (Figure 31)

A BUILDING IN GAGE PARK

Given the original Gage House predates the subsequent Gage Park, it is perhaps not surprising that its direct interaction with the landscape is one of its least successful attributes. The original house has a clearly defined front façade facing Main Street, however Gage Park now envelops the building – creating a pavilion within the landscape and granting a greater stature to side and rear facades to which they were not originally designed to respond. Similarly, the main floor of Gage House is located roughly 1m above grade – typical of much domestic vernacular architecture. This change in elevation creates a physical barrier preventing direct park access and the potential for fluid indoor/outdoor museum programming.

To respond to these conditions, the proposed addition provides a new 3-peaked gable façade as termination of Gage Park’s formal east-west fountain axis. The south addition is rotated 90-degrees to present also present a gable façade to the park, and continues the rhythm of stepped roof ridges from the highest original volume down to the current addition.

Generous terraces are proposed at both the north and south sides of the building, contiguous with the main floor datum, to provide accessible outdoor program opportunities directly adjacent to indoor areas. These large terraces extend into the wider park landscape through a series of ramps. An area of outdoor park space is claimed for the Museum at the south-west corner of the building around 3 mature oak trees which the addition is specifically designed to maintain. This outdoor area will be defined by a perimeter fence and planting, providing dedicated outdoor space while also offering a secure barrier between the park and museum after hours.

The proposed addition to the Children's Museum will expand and enhance its programming, its accessibility to the community and strengthen the relationship between building and landscape.
2.2 SITE MASSING & CONTEXT

The Hamilton Children's Museum is currently operating out of an existing two-storey residential house. The new addition will be physically connected to the existing house as a one-storey facility of domestic scale and identity. In 2017, a Cultural Heritage Impact Assessment was provided by Hobson Heritage Conservation for the property.

Abutting the lands to the north across Main Street East are a predominant mix of two-storey single detached dwellings in addition to a few three-storey apartments and mixed-used commercial residential units. (Figure 32)

East of the property are children's playgrounds and the backyards of two-storey single detached dwellings along the eastern edge of the park.

Abutting the property to the south is the expanse of Gage Park, with views of the Gage Park Rose Gardens, Tropical Greenhouse and Niagara Escarpment.

West of the lands is the formal gardens and children's playgrounds with no building structures along the length of the Primary Corridor.

2-3 Storey Detached Houses and Multi Tenant Flat Roof w. Primarily Residential / some Commercial Use
2-3 Storey Detached Houses w. Primarily Residential and Intermittent Commercial Use
2-3 Storey Detached Houses w. both Residential and Commercial Use
3 Storey Multi Tenant Flat Roof Buildings w. both Residential and Commercial Use
3 Storey Flat Roof Buildings w. Residential Use
2-3 Storey Detached Residential Houses
2-3 Storey Detached Residential Houses

Figure 32: Site massing within context
2.3

SITE PLAN & ZONING

The Children’s Museum does not possess a distinct land parcel separate from Gage Park, therefore its site can generally be considered as the entire Gage Park for the purpose of establishing property line setbacks, site area, etc. The Gage Park is classified as a City Wide Park (P3 Zone) in the City’s Official Plan and accommodates ancillary commercial uses that are complementary to the community and city wide parks. The existing use of a museum is consistent with what is permitted under the zoning, however, any proposed additions or site alterations are subject to the Site Plan Approval (SPA) process.

The primary zoning constraint relates to the provision of on-site parking. Given that the museum is actually the wider Gage Park, consideration could be given to how this calculation is derived and whether dedicated parking is required for the museum vs. parking across the wider park. Parking provision is provided as a ratio to the building area.

The existing Children’s Museum is surrounded with asphalt on all 4 sides and requires crossing a drive aisle to access the park & playground areas. The vehicle access and parking is reconsidered on the site plan to accommodate a new primary entrance at the north and the secondary entrance at the south. (Figure 33)

Figure 33: Site Plan
The landscape is derived from the hedge motif that characterizes the formal gardens directly west of the site. The hedge is a fluid device that deviates between form and function landscape and architecture. Landscape is used to protect and soften the edges of the built form, provide wayfinding, and define public/private thresholds. (Figure 34)

The landscape around the building is currently maintained by the museum staff, not the parks department. The proposed trees and shrubs (Figures 35-38) act as a natural fence surrounding the south courtyard and existing oak trees. The proposed grasses and perennials (Figures 39-44) are low maintenance and provide textural interest at grade adjacent to the building. Most of the grasses and perennials have a strong form that are intended to remain in the winter to provide some structure to the garden.

Figure 34: Landscape Plan

Figures 35-38: Trees and Shrubs

Figures 39-44: Perennials & Grasses

Design Review Panel: Hamilton Children's Museum
1072 Main Street East
Hamilton, Ontario
ARCHITECTURAL DESIGN

Figure 45: Architectural Plan

- Proposed Addition Program Room
- Proposed Addition Covered "Link"
- Proposed Exterior Covered Terrace
- Existing Building Renovated Program Room

Design Review Panel: Hamilton Children's Museum
1072 Main Street East
Hamilton, Ontario
2.5
ARCHITECTURAL DESIGN

Figure 46: Cross Section looking south

Figure 47: Longitudinal Section through Program Room 1 looking east
2.5 ARCHITECTURAL DESIGN

Figure 48: North Elevation

Figure 49: South Elevation
2.5

ARCHITECTURAL DESIGN

Figure 50: East Elevation

Figure 51: West Elevation
2.5

ARCHITECTURAL DESIGN

Figure 52: North West view

Figure 53: West view from the Formal Gardens
ARCHITECTURAL DESIGN

Figure 52: South West view from Gage Park

Figure 53: South East view from the parking lot
Demolition Legend

Existing element to be demolished
Existing door to be demolished.
Salvage frame/trim for re-use.
Approximate extent of floor finish/subfloor to be removed
Existing wall partition system to be demolished

Project
North

PROJECT CODE: SCALE:

WORKSHOP architecture
6 Sousa Mendes Street
Toronto Ontario M6P 0A8
T 416.901.8055
www.workshopto.ca

All drawings and related documents are the property of Workshop Architecture Inc. and may not be reproduced in whole or in part without the architects permission. This drawing should not be used to calculate areas. All dimensions to be checked on site by the contractor and such dimensions to be their responsibility. This drawing shall not be used for construction unless identified as "Issued for Construction". Drawing errors or discrepancies are to be immediately reported to the architect.

Demolition Plans

Re Description Date
1 Issued for DRP 21.09.24

Demolition Notes

Note Description
D1 Demolish existing masonry wall/window to form new opening. Provide temporary support as required. Provide new lintel as per structural (typ) and make good all surrounds and finishes. Retain bricks for reuse.
D2 Demolish existing wood frame, exterior ramp, stair and canopy above.
D3 Demolish existing concrete landing/stair and canopy.
D4 Remove existing HW radiator - salvage for re-installation. See mechanical.
D5 Remove existing steel safe door, salvage for re-use. Existing frame to remain.
D7 Hatch indicates extent of existing floor to be removed to accommodate installation of new pipework in crawlspace. See mechanical.
D9 Remove existing window. Prepare opening to receive new masonry infill.
D10 Existing fixed door to remain
D11 Break out slab to accommodate new elevator Machine Room
D12 Existing gas meter to be removed - see mechanical
D13 Remove existing window. Prepare opening to receive new window.
D14 Demolish all portable fixtures, walls, doors and frames.
D15 Demolish portable roof. Make good adjacent surfaces on existing house.
D16 Demolish canopy. Make good adjacent surfaces on existing house.
D17 Extent of excavation for demolition of portable above.
Provisional Elevations

- E1 Existing brick building.
- E2 Exterior structural glazing system
- E3 Glazed concrete masonry
- E4 Asphalt roof
- E5 Glazed canopy and structure
- E6 Glazed window
- E7 New heritage window in existing opening
- E8 New glazed transom in existing opening
- E9 Sliding door
- E10 Cement board cladding
- E11 Garbage enclosure - see landscape
- E12 Planting - see landscape
- E13 Galvanized handrail H1 with perforated metal guard
- E14 Galvanized handrail H2
- E15 Terraced plastic composite lumber deck
- E16 New concrete ramp
- E17 Concrete stair
- E18 New plastic composite lumber ramp
- E19 Gate - see landscape
- E20 Wire fence around planting at 6'-0 A.F.F. See landscape.
- E21 Infill opening with brick to match existing.
### General Tree Notes

All trees indicated on the site plan are to be preserved. A Certified Arborist must be present on site during construction activities to confirm and/or override any decisions by the Project Arborist. The Certified Arborist must have a copy of the Tree Protection Plan and the Tree Protection Zones. Coordination is required to ensure construction activities will occur outside the Tree Protection Zones. Existing underground services must be located and protected within the Tree Protection Zones. Tree protection measures must be performed at the start of construction and maintained throughout the duration of the work.

### Tree Protection Zones

Trees identified as "Issued for Construction" Drawing errors or discrepancies are to be immediately reported to the architect.

### Tree Protection Plan

- **Protection Zone (m):**
  - 1.2
  - 1.8
  - 2.4
  - 3.0
  - 3.6

### Tree Protection Barrier and Horizontal Tree Protection Detail

- **Temporary Excavation:**
  - P 3/4" plywood
  - Nails secured to 2" x 4" spaced studs
  - Minimum 3/4" plywood with laminated and fastened seams

- **Permanent Excavation:**
  - Bar 6" x 6" minimum made of 3/4" plywood
  - Bar 8" x 8" minimum made of 1/2" plywood
  - Bar 10" x 10" minimum made of 1/4" plywood

### Arborists and Arborist Notes

- **Tree Identification:**
  - Ginkgo biloba
  - Maidenhair Tree
  - Cucumber-Tree
  - Siberian Crab-Apple
  - Norway Maple
  - Black Walnut
  - Colorado Blue Spruce
  - Douglas Fir
  - Red Oak
  - Blue-Beech
  - Honeylocust
  - Basswood
  - Eastern White Cedar
  - Red Oak
  - Eastern White Cedar

- **Tree Protection Details:**
  - Debris prevention
  - Mulch under base
  - No topsoil to be added onto trunk base or above-ground section of trunk base flare.

### Tree Protection Zone

- **Minimum Tree Protection:**
  - Location: Private, Offsite, Municipal, Crown Reserve est.

- **Condition Rating:**
  - 1.0
  - 2.0
  - 3.0
  - 4.0
  - 5.0

- **Protection Zones:**
  - 2.0
  - 3.0
  - 4.0
  - 5.0

### Coordination

- **Shared Coordination:**
  - 20_30

### Protection Zones

- **Minimum Tree Protection Zones:**
  - Private (On Site) Trees 0
  - Private (Off Site) Trees 0
  - Municipal Trees 49
  - Shared Trees 0
  - Total 49

### Tree Preservation Details

- **North:**
  - Preserve Tree Based on Health & Structure 48
  - Final Recommendation: Discretionary Preservation (DP) 0
  - Final Recommendation: Remove due to Condition and Development (RCD) 0

- **South:**
  - Preserve Tree Based on Health & Structure 48
  - Final Recommendation: Discretionary Preservation (DP) 0
  - Final Recommendation: Remove due to Condition and Development (RCD) 0

### Protection Plan

- **Tree Protection Zones:**
  - 1.2
  - 1.8
  - 2.4
  - 3.0
  - 3.6

### Protection Barrier

- **Temporary Excavation:**
  - P 3/4" plywood
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### Arborist Notes

- **Tree Preservation Details:**
  - Debris prevention
  - Mulch under base
  - No topsoil to be added onto trunk base or above-ground section of trunk base flare.

### Tree Protection Plan

- **Protection Zones:**
  - 2.0
  - 3.0
  - 4.0
  - 5.0

### Arborist Notes

- **Tree Protection Zones:**
  - 2.0
  - 3.0
  - 4.0
  - 5.0

### Arborist Notes

- **Tree Protection Zones:**
  - 2.0
  - 3.0
  - 4.0
  - 5.0

### Arborist Notes

- **Tree Protection Zones:**
  - 2.0
  - 3.0
  - 4.0
  - 5.0

### Arborist Notes

- **Tree Protection Zones:**
  - 2.0
  - 3.0
  - 4.0
  - 5.0
Patch existing asphalt parking lot and provide new painted lines.

Existing grass park

Existing 2 storey + basement museum

Existing planting beds

Proposed Addition:

Existing Anchor Monument to Remain

Cairn

Planting beds

Existing grass

New parking lines

Relocated Pollinator Garden Signage

New sloped accessible walkway & stairs with snow melting, refer to site plan

Proposed Addition:

Outline of building addition below

New pad mounted transformer

New duct bank

Planting beds

PROPOSED LIMESTONE PATH

PROPOSED SOD

PROPOSED CONCRETE SIDEWALK

PROPOSED ARCHITECTURAL WIRE FENCE

LIMESTONE SCREENINGS TRAIL SURFACING

OMEGA ARCHITECTURAL WIRE PANEL 6'

UNIK PANEL WASTE ENCLOSURE

OMEGA DOUBLE SWING GATE MODEL GPMD20

WATERBORNE TRAFFIC PAINT (WHITE) PER OPSS 1716

"DISABLED ACCESS SYMBOL" IN ACCORDANCE WITH ONTARIO TRAFFIC MANUAL BOOK 11-FIGURE 48. APPLIED IN ACCORDANCE WITH OPSS 710 TYPICAL.

WATERBORNE TRAFFIC PAINT (WHITE) PER OPSS 1716 "ARROWS" IN ACCORDANCE WITH ONTARIO TRAFFIC MANUAL BOOK 11-FIGURE 53 STANDARD PAVEMENT MARKING (ARROWS). APPLIED IN ACCORDANCE WITH OPSS 710 TYPICAL.

PATCH ASPHALT SURFACE IN ACCORDANCE WITH OPSS MUNI 307...
Patch existing asphalt parking lot and provide new painted lines.

Existing 2 storey + basement museum

Existing planting beds

Proposed Addition

Existing Anchor Monument to Remain

Proposed Addition

Outline of building addition below

New pad mounted transformer

New duct bank

New sloped accessible walkway & stairs with snowmelting refer to site plan

Relocated Pollinator Garden Signage

ALIGN

ALIGN

ALIGN

ALIGN

FILEPATH: S:\A+A PROJECTS\2021\APPROVED\21-160A 1072 MAIN STREET EAST HAMILTON\DRAWINGS\21-160A 1072 MAIN STREET 2021-09-17_RECOVER - COPY.DWG  CTB: ABOUD2007.ctb PLOTTED:23-Sep-21 9:35 PM
Patch existing asphalt parking lot and provide new painted lines.

Existing:
- 2-storey + basement museum
- Existing planting beds
- Existing grass

Proposed Addition:
- Outline of building addition below
- New parking lines
- Relocated pollinator garden signage
- New sloped accessible walkway & stairs with snowmelting

Proposed:
- Anchor monument to remain
- Cairn planting beds

PLANT LIST

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<tr>
<th>KEY</th>
<th>QTY</th>
<th>COMMON NAME</th>
<th>COMMON NAME</th>
<th>SIZE</th>
<th>TYPE</th>
<th>REMARKS</th>
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<td>AC 3</td>
<td>AMELANCHIER CANADENSIS</td>
<td>SERVICEBERRY</td>
<td>60 MM</td>
<td>CAL</td>
<td>WB</td>
<td>5M O.C. SPACING</td>
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<td>PRUNUS SERRULATA 'AMANOGAWA'</td>
<td>UPRIGHT FLOWERING CHERRY</td>
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<td>CAL</td>
<td>WB</td>
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<td>Bs 32</td>
<td>BERBERIS THUNBERGII 'SUNSATION'</td>
<td>CHERRY BOMB BERBERIS</td>
<td>50 CM</td>
<td>HT</td>
<td>POTTED</td>
<td>1M O.C. SPACING</td>
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<td>BERBERIS THUNBERGII 'CHERRY BOMB'</td>
<td>SUNSATION BERBERIS</td>
<td>50 CM</td>
<td>HT</td>
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<td>1M O.C. SPACING</td>
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<tr>
<td>Po 29</td>
<td>PHYSOCARPUS OPULIFOLIUS 'TINY WINE'</td>
<td>TINY WINE GOLD NINEBARK</td>
<td>50 CM</td>
<td>HT</td>
<td>POTTED</td>
<td>1M O.C. SPACING</td>
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<tr>
<td>Pt 29</td>
<td>PHYSOCARPUS OPULIFOLIUS 'TINY WINE'</td>
<td>TINY WINE NINEBARK</td>
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<td>Tm 4</td>
<td>TAXUS X MEDIA</td>
<td>YEW</td>
<td>50 CM</td>
<td>HT</td>
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<td>Am 26</td>
<td>ARONIA MELANOCARPA 'LOW SCAPE'</td>
<td>BLACK CHOKECHERRY</td>
<td>50 CM</td>
<td>HT</td>
<td>POTTED</td>
<td>1M O.C. SPACING</td>
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ORNAMENTAL GRASSES AND PERENNIALS | | | | | | |
| all 30 | ALLIUM MILLENIUM | ORNAMENTAL | ALLIUM | 1 GAL | 30CM O.C. SPACING |
| alc 30 | ALLIUM CERNUUM | NODDING WILD ONION | 1 GAL | 30CM O.C. SPACING |
| bou 46 | BOUTELOUA GRACILIS 'BLONDE AMBITION' | MOSQUITO GRASS | 1 GAL | 30CM O.C. SPACING |
| cak 40 | CALAMAGROSTIS 'KARL FORESTER' | FEATHER REED GRASS | 1 GAL | 75CM O.C. SPACING |
| ecp 15 | ECHINACEA PUPUREA | ECHINACEA | 1 GAL | 30CM O.C. SPACING |
| hok 59 | HOSTA 'KROSSA REGAL' | KROSSA REGAL | 1 GAL | 30CM O.C. SPACING |
| hos 22 | HOSTA 'SUM AND SUBSTANCE' | SUM AND SUBSTANCE | 1 GAL | 30CM O.C. SPACING |
| nep 6 | NEPTETA FAASSENII 'PURRSIAN BLUE' | CATMINT | 1 GAL | 30CM O.C. SPACING |

Total: 162 TREES
Total: 162 SHRUBS
Total: 248 ORNAMENTAL GRASSES AND PERENNIALS
ALL DETAILS ON DRAWING L3.1 ARE CONCEPTS TO CONVEY DESIGN INTENT ONLY. DO NOT BID OR CONSTRUCT FENCE OR WASTE ENCLOSURE USING THESE CONCEPTS.

CONTRACTOR TO PROVIDE SITE SPECIFIC DETAILED SHOP DRAWINGS SEALED/CERTIFIED BY A PROFESSIONAL ENGINEER LICENSED TO PRACTICE IN THE PROVINCE OF ONTARIO INDICATING DIMENSIONS, POST SIZES, CONNECTIONS BETWEEN PANELS/POSTS, WELDS, PANEL PATTERN(S), FINISHES, REQUIRED EMBEDMENT/CONNECTIONS TO FOOTINGS/FOUNDATIONS, AND FOOTING/FOUNDATION DESIGN IN COMPLIANCE WITH THE ONTARIO BUILDING CODE PRIOR TO FABRICATION. INCLUDE THE COST OF PRODUCING SEALED/CERTIFIED SHOP DRAWINGS AS PART OFBid PRICE.

- Omega Architectural Wire Panel L3.1
- Omega UNIK Vertical Panel L3.1
- Omega UNIK Double Swing Gate Model GPMD20

Landscape Details II