APPENDIX A

Terrestrial
MEMO

TO: Werner Plessl, Executive Director, Hamilton Waterfront Trust
FROM: Doug Onishi, Project Manager
David Restivo, Natural Environment Lead

DATE: November 21, 2013
SUBJECT: West Harbour Pumping Station(s) and Forcemain Environment Assessment - Natural Environment Existing Conditions Summary

PROJECT #: 12-7119

1.0 INTRODUCTION

As part of the servicing review of Piers 5, 6, 7 and 8 within the West Harbour area of the City of Hamilton, the existing sanitary sewer system servicing the study area will require upgrades. These upgrades are recommended in order to accommodate both existing needs and facilitate the redevelopment of lands currently used for commercial purposes into mixed use areas. New pumping station facilities or upgrades to existing pumping stations are anticipated, which may include the construction of new forcemains.

This memo provides a summary of the project areas natural environment existing conditions, assessment of potential for Species at Risk (SAR) and Species of Conservation Concern (SCC) habitat and examines potential impacts associated with the construction of new pumping station(s) and sewer infrastructure to the natural environment. Potential impacts from a review of alternate forcemain alignments will also be discussed.

2.0 METHODOLOGY

To assess the existing conditions of the project area the following tasks were completed:

- Background Information Review of the following secondary sources:
  - Aerial Photography;
  - Land Information Ontario;
  - City of Hamilton Urban Official Plan;
  - Natural Heritage Information Centre (NHIC) Database;
  - Hamilton Conservation Authority (HCA) Regulated Area Mapping;
• Hamilton Natural Areas Inventory and Species Checklist;
• Fisheries and Oceans Canada (DFO) Aquatic Species at Risk Distribution Mapping for Hamilton Conservation Authority Jurisdiction; and,
• Wildlife Atlases and other wildlife inventories, including:
  • Ontario Breeding Bird Atlas (17NH99);
  • Christmas Bird Count (Hamilton);
  • Atlas of the Mammals of Ontario;
  • Ontario Herpertofoanal Atlas;
  • Ontario’s Reptile and Amphibian Atlas; and,
  • Ontario Odonata Atlas.

• Site Investigation of the Project Area:
  • Confirmation of Fisheries Resources;
  • Terrestrial Investigation including:
    • Inventory of Potentially Impacted Trees;
    • Ecological Land Classification (ELC);
    • Wildlife Observations; and,
    • Botanical Survey (Documenting late summer/early fall flora).

• Species at Risk (SAR) Screening.

Methods for site investigation were completed following provincial and municipal assessment protocols.

3.0 RESULTS

3.1 Background Information Review

A review of secondary source information revealed that no known provincially significant natural features (e.g., wetlands, woodlands, Areas of Natural and Scientific Interest, etc.) are located within the project area.

There are local areas of significance that were noted as follows (also see Appendix A):
• The Hamilton Harbour is identified as a Core Area on the Urban Hamilton Official Plan Schedule B Natural Heritage System,
• A section of the West Harbour adjacent to Piers 5 to 8 is identified as a Local Natural Area - Environmentally Significant Area in the Urban Hamilton Official Plan Schedule B-6,
- Parts of the West Harbour adjacent to Piers 5 to 8 have been identified as an Area of Sensitivity and an Area of Opportunity on the Setting Sail Secondary Plan Schedule M-6 - Fisheries Policy Areas, and
- The HCA Regulated Area mapping overlaps the study area.

Species at Risk with potential to occur in the project area were identified using secondary source information and an overall list of SAR and SCC with the potential to occur in the City of Hamilton provided by the Ontario Ministry of Natural Resources. A screening exercise was completed to identify if habitat for SAR and SCC is present within the project area. The results of the screening are discussed in Section 3.3.

3.2 Site Investigation of Project Area

**Fisheries**

As mentioned in the Hamilton West Harbour Shoreline and Breakwater Class Environmental Assessment: Environmental Study Report completed by Dillon Consulting Limited in 2012, the shoreline along Piers 5, 6, 7 and 8 consists primarily of concrete, steel and wooden vertical walls with limited shoreline diversity. Two short lengths adjacent to the Williams Fresh Café and Trolley Ticket Booth (Pier 8) are comprised of rip-rap and also have limited shoreline diversity (see Photo 1 in Appendix B). These artificial shorelines provide limited cover for fish and/or mussel species. Most of the open water area is exposed to heavy wave action with the only area that would shelter fish being the Marine Police Unit area located between Pier 7 and 8. This area is partially enclosed and provides shelter from waves and heavy boating activity.

It is anticipated that the construction or upgrades to the sanitary sewer infrastructure within Piers 5, 6, 7 and 8 that discharge to the municipal sanitary sewer system will not impact the fisheries resources of Hamilton Harbour as the municipal sanitary sewer system does not have a hydrological connection to the harbour at this location and proposed works are not anticipated to be located in or directly adjacent to the water’s edge.

**Terrestrial Investigation**

The lands within the Piers 5, 6, 7 and 8 study area are primarily used for recreation (marine and other including parkland and sports fields), commercial uses such as restaurants, offices, residences and marine uses that include boat repair, storage and marine supply services. The northwest corner of Pier 8 has been redeveloped from industrial land to recreational and is now comprised of green space, restaurants, offices, meeting space and an outdoor rink. Terrestrial vegetation within Piers 5, 6, 7 and 8 is very limited, with most of the area comprised of built structures (e.g., concrete and asphalt). Vegetation is found in the form of manicured lawns, gardens and hedgerows.
associated with the redeveloped northwest corner of Pier 8. There is also limited vegetation along the rip-rap shorelines, which is comprised of very common species found in the urban environment such as Manitoba Maple (*Acer negundo*), Lady’s Thumb (*Persicaria maculosa*), Canada Goldenrod (*Solidago canadensis*), and Common St. John’s Wort (*Hypericum perforatum*).

Habitat for wildlife within Piers 5, 6, 7 and 8 is also limited. Use of the project area as habitat is restricted to species with a high tolerance for human disturbance and species that have adapted their behaviour, allowing them to use man-made structures for life process such as nesting or refuge. Observations of wildlife during the site investigation were minimal and consisted of common urban or pelagic species such as Double-crested Cormorant (*Phalacrocorax auritus*), Mute Swan (*Cygnus olor*), Mallard (*Anas platyrhynchos*), European Starling (*Sturnus vulgaris*), House Sparrow (*Passer domesticus*), American Goldfinch (*Spinus tristis*), Mourning Dove (*Zenaida macroura*), Canada Goose (*Branta canadensis*) and Ring-Billed Gull (*Larus delawarensis*). Vacant Cliff Swallow (*Petrochelidon pyrrhonota*) nests were also observed at the shelter structure located southwest of the former Parks Canada Marine Discovery Centre (now Hamilton Waterfront Trust Centre) (see Photo 2 in attached Appendix B). While mammal species were not observed during the field investigation, common urban species such as Raccoon (*Procyon lotor*), Red Fox (*Vulpes vulpes*), Coyote (*Canis latrans*) and Grey Squirrel (*Sciurus carolinensis*) are likely present at times within the West Harbour area.

**Tree Inventory**
The results of the tree inventory are provided in Table 1. A total of 73 trees potentially affected by proposed sewer works were inventoried. The survey focused on trees within 10 m of the proposed sewer infrastructure. The locations of these trees are shown on Figure 1. Information collected for each tree included species, diameter at breast height (DBH) in centimetres, a photograph, and an assessment of condition for each tree. Photo documentation of the trees inventoried is included in Appendix B.

No SAR was inventoried within potentially affected lands. Kentucky Coffee Tree (*Gymnocladus dioicus*), which has a federal and provincial status of Threatened, has been planted as a landscape tree in Eastwood Park. Landscape trees are generally not afforded legal protection under SAR legislation. Regardless, this species was observed outside of the lands potentially impacted by sewer infrastructure development along the west edge of the Ferguson Avenue parking lot for the Park.

Tree conditions categories used were as follows:

**Excellent** (E) – Trees having perfect form, good symmetry and vibrant growth. Proper protection measures would ensure that this tree would survive the existing urban
environment and probable impacts of development. Left undisturbed life expectancy would be over 30 years.

Good (G) – Tree is healthy, showing no signs of disease or insect infestation, having a generally straight trunk with strong, well-formed branches. Tree should adapt to existing urban environment and anticipated impacts of development. Left undisturbed life expectancy would be 20 to 30 years.

Fair to Good (FG) – Tree appears to be strong and free of disease or insect infestation, but species does not tolerate development very well. Left undisturbed life expectancy would be 15 to 20 years.

Fair (F) – Tree has minor defects that might render it incapable of surviving the impact of development without substantial assistance. Left undisturbed life expectancy would be 10 to 15 years.

Poor to Fair (PF) – Tree exhibits significant defects that render it incapable of thriving in the existing environment and will prevent it from surviving the impact of development. Left undisturbed life expectancy would be 5 to 10 years.

Poor (P) – Tree is severely damaged or diseased. Branch structure might be so defective that pruning could not restore the form or health of this tree. Left undisturbed life expectancy would be 0 to 5 years.

Dead (D) – 70-100% of the tree is dead or denotes a stump.

Hazardous – Tree may be unstable, diseased, have limbs ready to fall, and is not safe for the intended land use. The tree should be removed.

<table>
<thead>
<tr>
<th>Tree ID #</th>
<th>Species</th>
<th>DBH (cm)</th>
<th>Condition</th>
<th>Comments</th>
<th>Field Photo #</th>
</tr>
</thead>
<tbody>
<tr>
<td>265</td>
<td>Quercus rubra</td>
<td>11</td>
<td>G</td>
<td>✓</td>
<td>147</td>
</tr>
</tbody>
</table>

Root growth is restricted by adjacent curb and sidewalk; previously pruned; minor secondary branch dieback; irregular formation of crown; Live Crown = 75%
<table>
<thead>
<tr>
<th>Tree ID #</th>
<th>Species</th>
<th>Common Name</th>
<th>DBH (cm)</th>
<th>Condition</th>
<th>Comments</th>
<th>Field Photo #</th>
</tr>
</thead>
<tbody>
<tr>
<td>266</td>
<td>Quercus rubra</td>
<td>Red Oak</td>
<td>13</td>
<td></td>
<td>Root growth restricted by sidewalk; fungus infection on leaves; minor dieback of secondary branches; Live Crown = 75%</td>
<td>148</td>
</tr>
<tr>
<td>267</td>
<td>Quercus rubra</td>
<td>Red Oak</td>
<td>11</td>
<td></td>
<td>Lower limbs have been pruned; further back from sidewalk; minor dieback of secondary branches; Live Crown = 80%</td>
<td>149</td>
</tr>
<tr>
<td>268</td>
<td>Acer x freemani</td>
<td>Freeman's Maple</td>
<td>14</td>
<td></td>
<td>Root growth restricted by road and island curb; minor dieback of inner branches; may require pruning due to adjacent lamp post; Live Crown = 80%</td>
<td>150</td>
</tr>
<tr>
<td>269</td>
<td>Acer x freemani</td>
<td>Freeman's Maple</td>
<td>14</td>
<td></td>
<td>Root growth restricted by curb and road on west side of tree; Live Crown = 90%</td>
<td>151</td>
</tr>
<tr>
<td>270</td>
<td>Acer x freemani</td>
<td>Freeman's Maple</td>
<td>17</td>
<td></td>
<td>Root growth restricted by curb to the west and pumping station to the east; some minor damage to one secondary branch (recommend pruning); Live Crown = 90%</td>
<td>152</td>
</tr>
<tr>
<td>271</td>
<td>Acer x freemani</td>
<td>Freeman's Maple</td>
<td>14</td>
<td></td>
<td>Suckering is occurring at base; root growth restricted by curb; Live Crown = 90%</td>
<td>153</td>
</tr>
<tr>
<td>272</td>
<td>Acer x freemani</td>
<td>Freeman's Maple</td>
<td>11</td>
<td></td>
<td>Root growth restricted by curb and road; Live Crown = 75%</td>
<td>154</td>
</tr>
<tr>
<td>273</td>
<td>Acer x freemani</td>
<td>Freeman's Maple</td>
<td>12</td>
<td></td>
<td>Root growth restricted by curb and road; minor dieback of secondary branches; Live Crown = 75%</td>
<td>155</td>
</tr>
<tr>
<td>Tree ID #</td>
<td>Scientific Name</td>
<td>Common Name</td>
<td>DBH (cm)</td>
<td>Condition</td>
<td>Comments</td>
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</tr>
<tr>
<td>274</td>
<td><em>Acer x freemanii</em></td>
<td>Freeman’s Maple</td>
<td>14</td>
<td></td>
<td>Root growth restricted by curb and road; adjacent lamppost may require future pruning of tree; minor dieback in lower secondary branches; has an imprint of electrical cord in bark; Live Crown = 75%</td>
<td>156</td>
</tr>
<tr>
<td>275</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>45</td>
<td></td>
<td>Oil pipeline running adjacent to tree; asphalt path is right up to the base (potential for soil compaction and restriction of root growth); previously pruned lower branches; dieback in secondary branches; Live Crown = 80%</td>
<td>157</td>
</tr>
<tr>
<td>276</td>
<td><em>Acer platanoides</em></td>
<td>Norway Maple</td>
<td>37</td>
<td></td>
<td>Oil pipeline running adjacent to tree; root growth restricted by asphalt path to the east; Y-crotch at 2 m; dieback of secondary branches; tar spot infection on leaves; Live Crown = 60%</td>
<td>158</td>
</tr>
<tr>
<td>277</td>
<td><em>Acer platanoides</em></td>
<td>Norway Maple</td>
<td>26</td>
<td></td>
<td>Oil pipeline running adjacent to tree; Sig. lean to trunk, starting at 1 m; extensive dieback of limbs; Suckering on trunk starting at 1 m; Live Crown = 50%; if health declines further, tree will pose a hazard to pedestrians (recommend pruning and maintenance)</td>
<td>159</td>
</tr>
<tr>
<td>Tree ID #</td>
<td>Species</td>
<td>Common Name</td>
<td>DBH (cm)</td>
<td>Condition</td>
<td>Comments</td>
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<tr>
<td>278</td>
<td><em>Acer platanoides</em></td>
<td>Norway Maple</td>
<td>25</td>
<td></td>
<td>Oil pipeline running adjacent to tree; tar spot infection; minor dieback of secondary branches; Live Crown = 60%</td>
<td>160</td>
</tr>
<tr>
<td>279</td>
<td><em>Ailanthus altissima</em></td>
<td>Tree-of-Heaven</td>
<td>65</td>
<td></td>
<td>Asphalt driveway has been laid right up to the base which may impede growth; root system starting to lift asphalt; concrete retaining wall is restricting growth to the north; appears to have been a seed that got stuck between a crack and left to grow; dieback of secondary branches; Live Crown = 70%</td>
<td>162</td>
</tr>
<tr>
<td>280</td>
<td><em>Acer negundo</em></td>
<td>Manitoba Maple</td>
<td>17</td>
<td></td>
<td>Sig. lean (45°); eroding soil at base and absence of ground layer; roots upslope are likely anchoring the tree; if roots upslope fail then tree will likely collapse; Live Crown = 50%</td>
<td>169</td>
</tr>
<tr>
<td>281</td>
<td><em>Acer negundo</em></td>
<td>Manitoba Maple</td>
<td>20</td>
<td></td>
<td>Leaning (70°) downslope but growing at base of slope; dripline extends over asphalt path; Live Crown = 60%</td>
<td>170</td>
</tr>
<tr>
<td>282</td>
<td><em>Morus alba</em></td>
<td>White Mulberry</td>
<td>91</td>
<td></td>
<td>Slight lean to trunk; though tree is &gt;10 m from path, dripline extends over path and may require pruning; Live Crown = 80%</td>
<td>171</td>
</tr>
<tr>
<td>Tree ID #</td>
<td>Species</td>
<td>Common Name</td>
<td>DBH (cm)</td>
<td>Condition</td>
<td>Comments</td>
<td>Field Photo #</td>
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</tr>
<tr>
<td>283</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>18</td>
<td></td>
<td>Root growth restricted by parking lot and retaining wall; adjacent lamppost may impede growth and require pruning of the crown; Live Crown = 90%</td>
<td>172</td>
</tr>
<tr>
<td>284</td>
<td><em>Celtis occidentalis</em></td>
<td>Hackberry</td>
<td>18</td>
<td></td>
<td>Live crown &gt;80%; Minor pruning of lower branches and small number of broken branches in crown.</td>
<td>2047</td>
</tr>
<tr>
<td>285</td>
<td><em>Celtis occidentalis</em></td>
<td>Hackberry</td>
<td>14</td>
<td></td>
<td>Live crown &gt;90%; Minor pruning of lower branches.</td>
<td>2049</td>
</tr>
<tr>
<td>286</td>
<td><em>Celtis occidentalis</em></td>
<td>Hackberry</td>
<td>16</td>
<td></td>
<td>Live crown &gt;90%.</td>
<td>2051</td>
</tr>
<tr>
<td>287</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>27</td>
<td></td>
<td>Live crown &gt;90%.</td>
<td>2052</td>
</tr>
<tr>
<td>288</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>33</td>
<td></td>
<td>Live crown &gt;90%; Minor suckering at base of tree.</td>
<td>2054</td>
</tr>
<tr>
<td>289</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>26</td>
<td></td>
<td>Live crown &gt;80%; Minor suckering at base of tree; Healing wound at ground level.</td>
<td>2057</td>
</tr>
<tr>
<td>290</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>24</td>
<td></td>
<td>Live crown &gt;90%; Small number of broken canopy branches.</td>
<td>2059</td>
</tr>
<tr>
<td>291</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>24</td>
<td></td>
<td>Live crown &gt;90%; Minor pruning of lower branches.</td>
<td>2061</td>
</tr>
<tr>
<td>292</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>24</td>
<td></td>
<td>Live crown &gt;80%; Small healing wounds at ground level; Minor pruning and broken branches.</td>
<td>2065</td>
</tr>
<tr>
<td>293</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>28</td>
<td></td>
<td>Live crown &gt;80%; Minor healed wounds on lower trunk; Small number of broken branches.</td>
<td>2070</td>
</tr>
<tr>
<td>Tree ID #</td>
<td>Species Scientific Name</td>
<td>Common Name</td>
<td>DBH (cm)</td>
<td>Condition</td>
<td>Comments</td>
<td>Field Photo #</td>
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</tr>
<tr>
<td>294</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>25</td>
<td>G</td>
<td>Live crown &gt;80%; Healed wound at ground level.</td>
<td>2073</td>
</tr>
<tr>
<td>295</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>24</td>
<td>G</td>
<td>Live crown &gt;80%; Minor cuts in bark and well healed wound at base.</td>
<td>2077</td>
</tr>
<tr>
<td>296</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>32</td>
<td>G</td>
<td>Live crown &gt;90%; Minor pruning of lower branches.</td>
<td>2078</td>
</tr>
<tr>
<td>297</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>37</td>
<td>G</td>
<td>Live crown &gt;90%.</td>
<td>2080</td>
</tr>
<tr>
<td>298</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>36</td>
<td>G</td>
<td>Live crown &gt;90%; Minor pruning of lower branches; Suckering at base.</td>
<td>2082</td>
</tr>
<tr>
<td>299</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>38</td>
<td>G</td>
<td>Live crown &gt;90%; Minor pruning; Suckering at base.</td>
<td>2084</td>
</tr>
<tr>
<td>300</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>31</td>
<td>G</td>
<td>Live crown &gt;90%; Minor pruning; Small burl near ground.</td>
<td>2086</td>
</tr>
<tr>
<td>301</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>26</td>
<td>G</td>
<td>Live crown &gt;90%; Minor pruning; Small shallow wound near base.</td>
<td>2088</td>
</tr>
<tr>
<td>302</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>25</td>
<td>G</td>
<td>Live crown &gt;90%; Small shallow wound near base.</td>
<td>2090</td>
</tr>
<tr>
<td>303</td>
<td><em>Tilia cordata</em></td>
<td>Little Leaf Linden</td>
<td>26</td>
<td>G</td>
<td>Large old wound in trunk; Suckering at base.</td>
<td>2092</td>
</tr>
<tr>
<td>304</td>
<td><em>Abies balsamea</em></td>
<td>Balsam Fir</td>
<td>21</td>
<td>G</td>
<td>More than half of branches without needle growth.</td>
<td>2094</td>
</tr>
<tr>
<td>305</td>
<td><em>Picea abies</em></td>
<td>Norway Spruce</td>
<td>35</td>
<td>G</td>
<td>Much of trunk pruned to accommodate wires; Remaining crown appears healthy.</td>
<td>2098</td>
</tr>
<tr>
<td>Tree ID #</td>
<td>Scientific Name</td>
<td>Common Name</td>
<td>DBH (cm)</td>
<td>Condition</td>
<td>Comments</td>
<td>Field Photo #</td>
</tr>
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<td>---------------------------------------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>306</td>
<td><em>Acer platanoides</em></td>
<td>Norway Maple</td>
<td>73</td>
<td>✓</td>
<td>Majority of twigs appearing to be alive; Old hole in trunk; Significant pruning of crown to accommodate wires.</td>
<td>2103</td>
</tr>
<tr>
<td>307</td>
<td><em>Gleditsia triacanthos</em></td>
<td>Honey Locust (thorn-less variety)</td>
<td>41</td>
<td>✓</td>
<td>Live crown &gt;90%; Minor pruning of lower branches; Wires passing through crown.</td>
<td>2106</td>
</tr>
<tr>
<td>308</td>
<td><em>Gleditsia triacanthos</em></td>
<td>Honey Locust (thorn-less variety)</td>
<td>52</td>
<td>✓</td>
<td>Live crown &gt;90%; Minor pruning of lower branches; Wires passing through crown.</td>
<td>2108</td>
</tr>
<tr>
<td>309</td>
<td><em>Acer saccharum ssp. saccharum</em></td>
<td>Sugar Maple</td>
<td>6</td>
<td>✓</td>
<td>Live crown &gt;80%; Small wounds near base; Looks recently planted.</td>
<td>2111</td>
</tr>
<tr>
<td>310</td>
<td><em>Taxus sp.</em></td>
<td>Yew</td>
<td>Multi-stemmed, DBHs under 10 cm</td>
<td>✓</td>
<td>Sprawling shrub; Appears healthy, would receive shading by adjacent trees in summer.</td>
<td>2112</td>
</tr>
<tr>
<td>311</td>
<td><em>Acer negundo</em></td>
<td>Manitoba Maple</td>
<td>Multi-stemmed, most DBHs under 10 cm</td>
<td>✓</td>
<td>Poor multi-stemmed form; Minor pruning.</td>
<td>2113</td>
</tr>
<tr>
<td>312</td>
<td><em>Juniperus sp.</em></td>
<td>Juniper</td>
<td>Multi-stemmed, DBHs under 10 cm</td>
<td>✓</td>
<td>Appears healthy, would receive shading by adjacent trees in summer.</td>
<td>2114</td>
</tr>
<tr>
<td>313</td>
<td><em>Acer negundo</em></td>
<td>Manitoba Maple</td>
<td>Multi-stemmed, most DBHs under 10 cm</td>
<td>✓</td>
<td>Poor multi-stemmed form; Minor pruning.</td>
<td>2115</td>
</tr>
<tr>
<td>Tree ID #</td>
<td>Species</td>
<td>Common Name</td>
<td>DBH (cm)</td>
<td>Condition</td>
<td>Comments</td>
<td>Field Photo #</td>
</tr>
<tr>
<td>---------</td>
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<td>--------------------------------------------------------------------------</td>
<td>---------------</td>
</tr>
<tr>
<td>314</td>
<td><em>Taxus sp.</em></td>
<td>Yew</td>
<td>Multi-stemmed, most DBHs under 10 cm</td>
<td>✓</td>
<td>Sprawling shrub; Appears healthy, would receive shading by adjacent trees in summer.</td>
<td>2116</td>
</tr>
<tr>
<td>315</td>
<td><em>Acer negundo</em></td>
<td>Manitoba Maple</td>
<td>Multi-stemmed, most DBHs under 20 cm</td>
<td>✓</td>
<td>Live crown &gt;80%; Poor multi-stemmed form; Minor pruning.</td>
<td>2117</td>
</tr>
<tr>
<td>316</td>
<td><em>Acer negundo</em></td>
<td>Manitoba Maple</td>
<td>Multi-stemmed, most DBHs under 20 cm</td>
<td>✓</td>
<td>Live crown &gt;80%; Poor multi-stemmed form; Minor pruning.</td>
<td>2118</td>
</tr>
<tr>
<td>317</td>
<td><em>Acer saccharum ssp. saccharum</em></td>
<td>Sugar Maple</td>
<td>10</td>
<td>✓</td>
<td>Live crown &gt;90%.</td>
<td>2119</td>
</tr>
<tr>
<td>318</td>
<td><em>Quercus rubra</em></td>
<td>Red Oak</td>
<td>12</td>
<td>✓</td>
<td>Live crown &gt;90%; Minor wound near base.</td>
<td>2122</td>
</tr>
<tr>
<td>319</td>
<td><em>Quercus rubra</em></td>
<td>Red Oak</td>
<td>12</td>
<td>✓</td>
<td>Live crown &gt;90%.</td>
<td>2124</td>
</tr>
<tr>
<td>320</td>
<td><em>Fraxinus excelsior</em></td>
<td>European Ash</td>
<td>41</td>
<td>✓</td>
<td>Live crown &gt;80%; Minor pruning; Minor trunk lean; Wires passing through edge of crown.</td>
<td>2125</td>
</tr>
<tr>
<td>321</td>
<td><em>Ulmus thomasii</em></td>
<td>Rock Elm</td>
<td>6</td>
<td>✓</td>
<td>Live crown &gt;90%; Appears to have been recently planted; Plastic collar around base.</td>
<td>2127</td>
</tr>
<tr>
<td>322</td>
<td><em>Fraxinus excelsior</em></td>
<td>European Ash</td>
<td>44</td>
<td>✓</td>
<td>Live crown &gt;80%; Some major branches pruned; Minor trunk lean.</td>
<td>2132</td>
</tr>
<tr>
<td>323</td>
<td><em>Fraxinus excelsior</em></td>
<td>European Ash</td>
<td>24</td>
<td>✓</td>
<td>Live crown &gt;90%; Old wounds at base.</td>
<td>2135</td>
</tr>
<tr>
<td>Tree ID #</td>
<td>Scientific Name</td>
<td>Common Name</td>
<td>DBH (cm)</td>
<td>Condition</td>
<td>Comments</td>
<td>Field Photo #</td>
</tr>
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<td>---------------</td>
</tr>
<tr>
<td>324</td>
<td><em>Fraxinus excelsior</em></td>
<td>European Ash</td>
<td>33</td>
<td>✓</td>
<td>Live crown &gt;90%; Minor pruning.</td>
<td>2137</td>
</tr>
<tr>
<td>325</td>
<td><em>Fraxinus excelsior</em></td>
<td>European Ash</td>
<td>30</td>
<td>✓</td>
<td>Live crown &gt;90%; Minor pruning.</td>
<td>2143</td>
</tr>
<tr>
<td>326</td>
<td><em>Fraxinus excelsior</em></td>
<td>European Ash</td>
<td>30</td>
<td>✓</td>
<td>Live crown &gt;90%; Minor pruning; Old wounds at base.</td>
<td>2145</td>
</tr>
<tr>
<td>327</td>
<td><em>Gleditsia triacanthos</em></td>
<td>Honey Locust (thornless variety)</td>
<td>45</td>
<td>✓</td>
<td>Live crown &gt;90%; Minor pruning.</td>
<td>2147</td>
</tr>
<tr>
<td>328</td>
<td><em>Fraxinus excelsior</em></td>
<td>European Ash</td>
<td>20</td>
<td>✓</td>
<td>Live crown &gt;80%; Minor pruning; Old wound at base.</td>
<td>2150</td>
</tr>
<tr>
<td>329</td>
<td><em>Fraxinus excelsior</em></td>
<td>European Ash</td>
<td>40</td>
<td>✓</td>
<td>Live crown &gt;90%; Minor pruning of lower branches.</td>
<td>2151</td>
</tr>
<tr>
<td>330</td>
<td><em>Fraxinus excelsior</em></td>
<td>European Ash</td>
<td>13</td>
<td>✓</td>
<td>Live crown &gt;80%; Crown somewhat asymmetrical.</td>
<td>2154</td>
</tr>
<tr>
<td>331</td>
<td><em>Fraxinus excelsior</em></td>
<td>European Ash</td>
<td>42</td>
<td>✓</td>
<td>Live crown &gt;90%; Minor pruning.</td>
<td>2155</td>
</tr>
<tr>
<td>332</td>
<td><em>Fraxinus excelsior</em></td>
<td>European Ash</td>
<td>29</td>
<td>✓</td>
<td>Live crown &gt;90%; Minor pruning.</td>
<td>2157</td>
</tr>
<tr>
<td>333</td>
<td><em>Fraxinus excelsior</em></td>
<td>European Ash</td>
<td>18</td>
<td>✓</td>
<td>Live crown &gt;80%; Minor pruning; Small number of old wounds.</td>
<td>2160</td>
</tr>
<tr>
<td>334</td>
<td><em>Fraxinus excelsior</em></td>
<td>European Ash</td>
<td>19</td>
<td>✓</td>
<td>Live crown &gt;90%; Minor pruning.</td>
<td>2161</td>
</tr>
<tr>
<td>335</td>
<td><em>Fraxinus excelsior</em></td>
<td>European Ash</td>
<td>19</td>
<td>✓</td>
<td>Live crown &gt;80%; Minor pruning; Old wound at base.</td>
<td>2164</td>
</tr>
<tr>
<td>336</td>
<td><em>Fraxinus excelsior</em></td>
<td>European Ash</td>
<td>24</td>
<td>✓</td>
<td>Live crown &gt;90%; Minor pruning; Small old wound at base.</td>
<td>2166</td>
</tr>
<tr>
<td>337</td>
<td><em>Acer rubrum</em></td>
<td>Red Maple</td>
<td>10</td>
<td>✓</td>
<td>Live crown &gt;90%; Healed wounds in lower trunk.</td>
<td>2169</td>
</tr>
</tbody>
</table>
3.3 **Species at Risk Screening**

A list of 80 SAR and SCC with potential to occur within the Hamilton Area was gathered from secondary source information. Using this list and the results of the site investigation, a SAR screening exercise was completed (Table 2). This screening examined the habitat requirements for SAR and SCC identified during the background review and determined if the habitat available in the project area could support those species.

As outlined in Table 2, there is potential habitat for Barn Swallow (*Hirundo rustica*) in the warehouses/garages that occupy parts of Pier 6 and Pier 8 (Photo 3 in Appendix B). The suitability of this potential habitat for Barn Swallow is discussed below in Section 5.
Table 2: Species at Risk Screening for the West Harbour Project Area

<table>
<thead>
<tr>
<th>Species</th>
<th>Scientific Name</th>
<th>Common Name</th>
<th>Status in Ontario</th>
<th>S-Rank</th>
<th>Status in Hamilton</th>
<th>MNR Potential SAR in Hamilton List</th>
<th>NHIC Occurrence Record</th>
<th>Habitat Requirements&lt;sup&gt;4, 5, 6, 7&lt;/sup&gt;</th>
<th>Potential Habitat in the Project Area</th>
<th>Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIRDS</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Empidonax virescens</td>
<td>Acadian Flycatcher</td>
<td>Endangered</td>
<td>S2</td>
<td>---</td>
<td>Yes</td>
<td>---</td>
<td>No</td>
<td>Mature, shady deciduous forests; heavily wooded ravines; creek bottoms or river swamps; needs at least 30 ha of forest</td>
<td>No</td>
<td>Mature, large, deciduous forest/ravine/swamps are not present in the project area.</td>
</tr>
<tr>
<td>Haliaeetus leucocephalus</td>
<td>Bald Eagle</td>
<td>Special Concern</td>
<td>S4</td>
<td>---</td>
<td>Yes</td>
<td>---</td>
<td>No</td>
<td>Require large continuous areas of deciduous or mixed forest around large lakes, rivers; require area of 255 ha for nesting</td>
<td>No</td>
<td>Large continuous areas of deciduous/mixed forest around large lakes and rivers are not present in the project area.</td>
</tr>
<tr>
<td>Tyto alba</td>
<td>Barn Owl</td>
<td>Endangered</td>
<td>S1</td>
<td>ex</td>
<td>Yes</td>
<td>---</td>
<td>No</td>
<td>Open areas such as fields, agricultural lands with scattered woodlots, buildings and/or orchards; grasslands, sedge meadows, marshes</td>
<td>No</td>
<td>Open areas with scattered woodlands, buildings and suitable grasslands/sedge meadows/ marshes are not present in the project area. Absence of grasslands, sedge meadows or marsh communities. The Barn Owl is considered to be extirpated from the Hamilton area.</td>
</tr>
<tr>
<td>Hirundo rustica</td>
<td>Barn Swallow</td>
<td>Threatened</td>
<td>S4B</td>
<td>---</td>
<td>No</td>
<td>---</td>
<td>Yes</td>
<td>Farmlands or rural areas; cliffs, caves, rock niches; buildings or other man-made structures for nesting; open country near body of water</td>
<td>Yes</td>
<td>Project area contains a number of large warehouse type buildings with openings that would allow birds such as Barn Swallow entry into the structures. Access was not granted to enter any of the warehouse buildings to inspect for nests. Man-made structures are adjacent to Hamilton Harbour which is a large body of water. A species that occupies similar nesting habitat, Cliff Swallow, was documented to be nesting on a man-made structure (e.g., lean-to shelter).</td>
</tr>
<tr>
<td>Nycticorax nycticorax</td>
<td>Black-crowned Night-heron</td>
<td>---</td>
<td>S3B, S3N</td>
<td>H</td>
<td>Yes</td>
<td>Deciduous woodland swamps, cattail marshes, islands, wooded river and lake banks, coastal wetlands</td>
<td>No</td>
<td>Deciduous woodland swamps, cattail marshes, wooded river and lake banks, and coastal wetlands are not present within the project area.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chlidonias niger</td>
<td>Black Tern</td>
<td>Special Concern</td>
<td>S3</td>
<td>ex</td>
<td>Yes</td>
<td>---</td>
<td>No</td>
<td>Wetlands, coastal or inland marshes; large cattail marshes, marshy edges of rivers; must have shallow water (0.5 to 1m deep); requires marshes &gt;20 ha in size</td>
<td>No</td>
<td>No wetlands are present within the project area. The Black Tern is considered to be extirpated from the Hamilton area.</td>
</tr>
<tr>
<td>Dolichonyx oryzivorus</td>
<td>Bobolink</td>
<td>Threatened</td>
<td>S4</td>
<td>---</td>
<td>Yes</td>
<td>---</td>
<td>No</td>
<td>Large, open expansive grasslands with dense ground cover; hayfields, meadows or fallow fields; requires tracts of grassland &gt;50 ha</td>
<td>No</td>
<td>Grasslands, hayfields, meadows and fallow fields are not present within the project area.</td>
</tr>
<tr>
<td>Species</td>
<td>Scientific Name</td>
<td>Common Name</td>
<td>Status in Ontario</td>
<td>S-Rank</td>
<td>Status in Hamilton</td>
<td>MNR Potential SAR in Hamilton List</td>
<td>NHIC Occurrence Record</td>
<td>Habitat Requirements</td>
<td>Potential Habitat in the Project Area</td>
<td>Rationale</td>
</tr>
<tr>
<td>-------------------------------</td>
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<td>------------</td>
</tr>
<tr>
<td>Wilsonia canadensis</td>
<td>Wilsonia canadensis</td>
<td>Canada Warbler</td>
<td>Special Concern</td>
<td>S4</td>
<td>h</td>
<td>Yes</td>
<td>---</td>
<td>Dense, mixed coniferous, deciduous forests with closed canopy; usually requires at least 30 ha</td>
<td>No</td>
<td>Dense, 30 ha or greater coniferous/deciduous forest are not present in the project area.</td>
</tr>
<tr>
<td>Dendroica cerulea</td>
<td>Cerulean Warbler</td>
<td>Cerulean Warbler</td>
<td>Threatened</td>
<td>S3</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Mature, deciduous woodland of Great Lakes-St. Lawrence and Carolinian Forests; area sensitive needs extensive areas of forest (&gt;100 ha)</td>
<td>No</td>
<td>Mature, large deciduous woodlands not present in the project area.</td>
</tr>
<tr>
<td>Chaetura pelagica</td>
<td>Chimney Swift</td>
<td>Chimney Swift</td>
<td>Threatened</td>
<td>S4</td>
<td>h</td>
<td>Yes</td>
<td>---</td>
<td>Urban areas near buildings; nests in hollow trees; crevices of rock cliffs; chimneys; feeds over open water</td>
<td>No</td>
<td>Urban areas (single unit dwellings) are present outside of the project area. Buildings within the project area do not have suitable chimneys for nesting swifts. None of the trees observed contained large cavities suitable for nesting.</td>
</tr>
<tr>
<td>Chordeiles minor</td>
<td>Common Nighthawk</td>
<td>Eastern Meadowlark</td>
<td>Threatened</td>
<td>S4B</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Open, grassy meadows, farmland, pastures, hayfields or grasslands with elevated singing perches; cultivated land and weedy areas with trees; old orchards with adjacent, open grassy areas &gt;10 ha in size</td>
<td>No</td>
<td>Dense forest, fields, open woodlands and flat gravel roofs are not present within the project area.</td>
</tr>
<tr>
<td>Sturnella magna</td>
<td>Eastern Meadowlark</td>
<td>Eastern Meadowlark</td>
<td>Threatened</td>
<td>S4B</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Open, grassy meadows, farmland, pastures, hayfields or grasslands with elevated singing perches; cultivated land and weedy areas with trees; old orchards with adjacent, open grassy areas &gt;10 ha in size</td>
<td>No</td>
<td>Grassy meadows, farmland, pasture, hayfields, grasslands, cultivated land and weedy areas with trees, and old orchards are not present within the project area.</td>
</tr>
<tr>
<td>Vermivora chrysoptera</td>
<td>Golden-winged Warbler</td>
<td>Golden-winged Warbler</td>
<td>Special Concern</td>
<td>S4B</td>
<td>H</td>
<td>---</td>
<td>---</td>
<td>Early successional habitat; shrubby, grassy abandoned fields with small deciduous trees bordered by low woodland and wooded swamps; alder bogs; deciduous, damp woods; shrubby clearings in deciduous woods with saplings and grasses; brier-woodland edges; requires &gt;10 ha of habitat</td>
<td>No</td>
<td>Early successional habitat, abandoned fields, alder bogs, deciduous woods, and shrubby clearings are not present within the project area.</td>
</tr>
<tr>
<td>Ammodramus henslowii</td>
<td>Henslow’s Sparrow</td>
<td>Henslow’s Sparrow</td>
<td>Endangered</td>
<td>SH</td>
<td>ex</td>
<td>Yes</td>
<td>---</td>
<td>Large, fallow, grassy area with ground mat of dead vegetation, dense herbaceous vegetation; requires a minimum of 40 ha but usually in area &gt;100 ha</td>
<td>No</td>
<td>Fallow grassy areas are not present within the project area.</td>
</tr>
<tr>
<td>Wilsonia citrina</td>
<td>Hooded Warbler</td>
<td>Hooded Warbler</td>
<td>Special Concern</td>
<td>S3</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Favours mature deciduous forest (Carolian)</td>
<td>No</td>
<td>Mature deciduous forest is not present in the project area.</td>
</tr>
<tr>
<td>Rallus elegans</td>
<td>King Rail</td>
<td>King Rail</td>
<td>Endangered</td>
<td>S2</td>
<td>h</td>
<td>Yes</td>
<td>---</td>
<td>Large, shallow; fresh water marshes, shrubby swamps</td>
<td>No</td>
<td>Fresh water marshes are not present in the project area.</td>
</tr>
<tr>
<td>Ixobrychus exilis</td>
<td>Least Bittern</td>
<td>Least Bittern</td>
<td>Threatened</td>
<td>S4</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Deep marshes, swamps, bogs</td>
<td>No</td>
<td>Deep marshes are not present in the project area.</td>
</tr>
<tr>
<td>Species</td>
<td>Scientific Name</td>
<td>Common Name</td>
<td>Status in Ontario</td>
<td>S-Rank</td>
<td>Status in Hamilton</td>
<td>MNR Potential SAR in Hamilton List</td>
<td>NHIC Occurrence Record</td>
<td>Potential Habitat in the Project Area</td>
<td>Rationale</td>
<td></td>
</tr>
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<td></td>
</tr>
<tr>
<td>Seiurus motacilla</td>
<td>Louisiana Waterthrush</td>
<td>Special Concern</td>
<td>S3</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Wooded ravines with running streams; woodland swamps; large tracts of mature deciduous or mixed forests</td>
<td>No</td>
<td>Wooded ravines, woodland swamps, and large forests are not present in the project area.</td>
<td></td>
</tr>
<tr>
<td>Colinus virginianus</td>
<td>Northern Bobwhite</td>
<td>Endangered</td>
<td>S1S2</td>
<td>I/ex</td>
<td>---</td>
<td>Yes</td>
<td>Grassland, prairie or hay fields with woody cover in form of thickets, tangles of vines, shrubs; fence rows or woodland edges; cropland growing corn, soybeans or small grains and clover or grass; well-drained sandy or loamy soil; pond edges</td>
<td>No</td>
<td>Grassland, prairie, hayfields, and croplands are not present within the project area. Species is considered to be extirpated and re-introduced in the Hamilton area.</td>
<td></td>
</tr>
<tr>
<td>Falco peregrinus</td>
<td>Peregrine Falcon</td>
<td>Special Concern</td>
<td>S2</td>
<td>----</td>
<td>Yes</td>
<td>---</td>
<td>Rock cliffs, crags, situated near water; tall buildings</td>
<td>No</td>
<td>Rock cliffs, crags and tall buildings are not present in the project area.</td>
<td></td>
</tr>
<tr>
<td>Protonotaria citrea</td>
<td>Prothonotary Warbler</td>
<td>Endangered</td>
<td>S1</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Area sensitive preferring 100 ha of flooded swampy woodlands</td>
<td>No</td>
<td>Swamp woodlands are not present in the project area.</td>
<td></td>
</tr>
<tr>
<td>Aythya americana</td>
<td>Redhead</td>
<td>---</td>
<td>S2B, S4N</td>
<td>H</td>
<td>---</td>
<td>---</td>
<td>Shallow cattail/bulrush marshes, lakes and ponds and fens; preferred nesting usually close to shallow water (most within 2 m), but can be found as far as 266 m from water's edge</td>
<td>No</td>
<td>Cattail/bulrush marshes are not present in the project area. Species may be found overwintering on the water of Hamilton Harbour but is only considered a Species of Conservation Concern during the breeding season.</td>
<td></td>
</tr>
<tr>
<td>Melanerpes erythrocephalus</td>
<td>Red-headed Woodpecker</td>
<td>Special Concern</td>
<td>S4</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Open, deciduous forest with little understory; fields or pasture lands with scattered large trees; wooded swamps</td>
<td>No</td>
<td>Deciduous forest, wooded swamps, fields and pasture lands are not present in the project area.</td>
<td></td>
</tr>
<tr>
<td>Asia flammeus</td>
<td>Short-eared Owl</td>
<td>Special Concern</td>
<td>S2</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Grasslands, open areas or meadows that are grassy or bushy; requires 75-100 ha of contiguous open habitat</td>
<td>No</td>
<td>Grasslands, meadows and other suitable open areas are not present within the project area.</td>
<td></td>
</tr>
<tr>
<td>Icteria virens</td>
<td>Yellow-breasted Chat</td>
<td>Endangered</td>
<td>S2</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Dense thickets around wood edges, riparian areas and in overgrown clearings. Ontario population are dependent on Successional habitats resulting from forest openings created by storms, fire or fallow fields</td>
<td>No</td>
<td>Thicket habitat is not dense or adjacent to woodland edges. Thickets are not succession habitats within forest openings.</td>
<td></td>
</tr>
</tbody>
</table>

**HERPTILES**

<table>
<thead>
<tr>
<th>Species</th>
<th>Scientific Name</th>
<th>Common Name</th>
<th>Status in Ontario</th>
<th>S-Rank</th>
<th>Status in Hamilton</th>
<th>MNR Potential SAR in Hamilton List</th>
<th>NHIC Occurrence Record</th>
<th>Potential Habitat in the Project Area</th>
<th>Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambystoma jeffersonianum</td>
<td>Jefferson Salamander</td>
<td>Endangered</td>
<td>S2</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Damp, shady deciduous forest; swamps; moist pasture; lakeshores</td>
<td>No</td>
<td>Deciduous forest/swamps, moist pasture are not present within the project area. Lakeshore within the project area is artificial and consists primarily of steel sheets, concrete or wooden walls.</td>
</tr>
<tr>
<td>Emydidae blandingii</td>
<td>Blanding's Turtle</td>
<td>Threatened</td>
<td>S3</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Shallow water marshes, bogs, ponds or swamps</td>
<td>No</td>
<td>Marshes, bogs, ponds and swamps are not present in the project area. Open water lacked suitable basking objects and the shoreline does not provide access to the land so nesting isn't possible for turtle species.</td>
</tr>
<tr>
<td>Scientific Name</td>
<td>Common Name</td>
<td>Status in Ontario</td>
<td>S-Rank</td>
<td>Status in Hamilton</td>
<td>MNR Potential SAR in Hamilton List</td>
<td>NHIC Occurrence Record</td>
<td>Habitat Requirements</td>
<td>Potential Habitat in the Project Area</td>
<td>Rationale</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>----------------------</td>
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<td>----------------------------------</td>
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<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td><em>Thamnophis sauritus</em></td>
<td>Eastern Ribbonsnake</td>
<td>Special Concern</td>
<td>S3</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>It is most frequently found along the edges of shallow ponds, streams, marshes, swamps, or bogs bordered by dense vegetation that provides cover. Abundant exposure to sunlight is also required, and adjacent upland areas may be used for nesting.</td>
<td>No</td>
<td>Ponds, streams, marshes, swamps and bogs are not present within the project area.</td>
</tr>
<tr>
<td><em>Lampropeltis triangulum</em></td>
<td>Eastern Milksnake</td>
<td>Special Concern</td>
<td>S3</td>
<td>---</td>
<td>Yes</td>
<td>---</td>
<td>Farmlands, meadows, hardwood or aspen stands; pine forest with brushy or woody cover; river bottoms or bog woods. Hides under logs, stones, or boards or in outbuildings; often uses communal nest sites</td>
<td>No</td>
<td>Meadows, hardwood/aspen stands, pine forest, river bottoms and bog woods are not present within the project area. Outbuildings are located in an industrial/commercial area and are unlikely to support a rodent population large enough to sustain snake species.</td>
</tr>
<tr>
<td><em>Graptemys geographica</em></td>
<td>Northern Map Turtle</td>
<td>Special Concern</td>
<td>S3</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Large bodies of water with soft bottoms, and aquatic vegetation; basks on logs or rocks or on beaches and grassy edges, will bask in groups; uses soft soil or clean dry sand for nest sites; may nest at some distance from water; home range size is larger for females (about 70 ha) than males (about 30 ha) and includes hibernation, basking, nesting and feeding areas; aquatic corridors (e.g. stream) are required for movement; not readily observed</td>
<td>No</td>
<td>Hamilton Harbour is a large body of water, likely with a soft bottom and aquatic vegetation, but lacks basking objects and the artificial shoreline prevents turtles from accessing the land to nest.</td>
</tr>
<tr>
<td><em>Chelydra serpentina</em></td>
<td>Snapping Turtle</td>
<td>Special Concern</td>
<td>S4</td>
<td>---</td>
<td>Yes</td>
<td>---</td>
<td>Permanent, semi-permanent fresh water; marshes; swamps or bogs; rivers and streams</td>
<td>No</td>
<td>Marshes, swamps, bogs, rivers and streams are not present in the project area. Further, the open water lacked suitable basking objects and the shoreline does not provide access to the land so nesting isn’t possible for turtle species.</td>
</tr>
<tr>
<td><em>Apalone spinifera</em></td>
<td>Spiny Softshell</td>
<td>Threatened</td>
<td>S3</td>
<td>H</td>
<td>Yes</td>
<td>Yes</td>
<td>Large river systems, shallow lakes and ponds</td>
<td>No</td>
<td>Large river systems are not present in the project area. Further, the open water lacked suitable basking objects and the shoreline does not provide access to the land so nesting isn’t possible for turtle species.</td>
</tr>
<tr>
<td><em>Crotalus horridus</em></td>
<td>Timber Rattlesnake</td>
<td>Extirpated</td>
<td>SX</td>
<td>ex</td>
<td>---</td>
<td>Yes</td>
<td>Woodlands</td>
<td>No</td>
<td>Woodlands not present in the project area. Timber Rattlesnake is considered to be Extirpated from both Ontario and the Hamilton area.</td>
</tr>
<tr>
<td><em>Sternotherus odoratus</em></td>
<td>Eastern Musk Turtle</td>
<td>Threatened</td>
<td>S3</td>
<td>H</td>
<td>---</td>
<td>---</td>
<td>Aquatic, except when laying eggs; shallow slow moving water of lakes, streams, marshes and ponds; hibernate in underwater mud, in banks or in muskrat lodges; eggs are laid in debris or under stumps or fallen logs at waters edge; often</td>
<td>No</td>
<td>Shallow, slow moving lake water, streams, marshes, and ponds are not present within the project area. Further, the open water lacked suitable basking objects and the shoreline does not provide access to the land so nesting isn’t possible for turtle species.</td>
</tr>
<tr>
<td>Scientific Name</td>
<td>Common Name</td>
<td>Status in Ontario</td>
<td>S-Rank (^1)</td>
<td>Status in Hamilton (^2)</td>
<td>MNR Potential SAR in Hamilton List (^3)</td>
<td>NHIC Occurrence Record (^3)</td>
<td>Habitats Requirements (^4, 5, 6, 7)</td>
<td>Potential Habitat in the Project Area</td>
<td>Rationale</td>
</tr>
<tr>
<td>-----------------</td>
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</tr>
<tr>
<td><em>Pseudacris triseriata</em> Pop. 2</td>
<td>Western Chorus Frog (Great Lakes-St. Lawrence Population)</td>
<td>S3</td>
<td>S3</td>
<td>S3</td>
<td>S3</td>
<td></td>
<td>Roadside ditches or temporary ponds in fields; swamps or wet meadows; woodland or open country with cover and moisture; small ponds and temporary pools</td>
<td>No</td>
<td>Roadside ditches, temporary ponds, swamps, wet meadows, and woodlands are not present within the project area.</td>
</tr>
<tr>
<td><em>Anguilla rostrata</em></td>
<td>American Eel</td>
<td>Endangered</td>
<td>S1</td>
<td>H</td>
<td>Yes</td>
<td></td>
<td>Continental-phase American eels are highly plastic in their habitat use and can be found in almost any freshwater habitat.</td>
<td>No</td>
<td>Hamilton Harbour may provide habitat for this generalist fish species but sanitary sewer works will not occur in the water of the harbour.</td>
</tr>
<tr>
<td><em>Esox americanus vermiculatus</em></td>
<td>Grass Pickerel</td>
<td>Special Concern</td>
<td>S3</td>
<td>H</td>
<td>Yes</td>
<td></td>
<td>Warm, slow-moving streams, ponds and shallow bays of larger lakes, with clear to tea-coloured water and abundant vegetation</td>
<td>No</td>
<td>Streams/ponds/lakes with appropriate water quality and vegetation abundance not present in the project area.</td>
</tr>
<tr>
<td><em>Clinostomus elongatus</em></td>
<td>Redside Dace</td>
<td>Endangered</td>
<td>S2</td>
<td>H</td>
<td>Yes</td>
<td></td>
<td>Pools and slow-flowing areas of small headwater streams with moderate to high gradient</td>
<td>No</td>
<td>Pools and slow-flowing areas of small headwater streams are not present in the project area.</td>
</tr>
<tr>
<td><em>Vilosa iris</em></td>
<td>Rainbow Mussel</td>
<td>Threatened</td>
<td>S2</td>
<td>---</td>
<td>Yes</td>
<td></td>
<td>Small to medium sized rivers</td>
<td>No</td>
<td>Rivers of any size are not present in the project area.</td>
</tr>
<tr>
<td><em>Danaus plexippus</em></td>
<td>Monarch Butterfly</td>
<td>Special Concern</td>
<td>S2</td>
<td>---</td>
<td>Yes</td>
<td></td>
<td>Meadows and Open areas where Milkweed grows</td>
<td>No</td>
<td>Meadows and open areas with milkweed were not present within the project area.</td>
</tr>
<tr>
<td><em>Pieris virginiensis</em></td>
<td>West Virginia White</td>
<td>Special Concern</td>
<td>S3</td>
<td>---</td>
<td>Yes</td>
<td></td>
<td>Moist, deciduous woodlands</td>
<td>No</td>
<td>Deciduous woodlands are not present in the project area.</td>
</tr>
<tr>
<td><em>Cordulegaster obliqua</em></td>
<td>Arrowhead Spiketail</td>
<td>---</td>
<td>S2</td>
<td>---</td>
<td>---</td>
<td>Yes</td>
<td>Small swift streams and soft-bottomed muddy seeps in forests</td>
<td>No</td>
<td>Streams and forests are not present within the project area.</td>
</tr>
<tr>
<td><em>Taxidea taxus jacksoni</em></td>
<td>American Badger</td>
<td>Endangered</td>
<td>S2</td>
<td>---</td>
<td>Yes</td>
<td></td>
<td>Open grasslands and oak savannas</td>
<td>No</td>
<td>Open grasslands or oak savannas are not present in the project area.</td>
</tr>
<tr>
<td><em>Microtus pinetorum</em></td>
<td>Woodland Vole</td>
<td>Special Concern</td>
<td>S3</td>
<td>H</td>
<td>Yes</td>
<td></td>
<td>Mature deciduous forest in the Carolinian zone; with loose sandy soil and deep humus; grasslands; meadows and orchards with groundcover of duff or grass</td>
<td>No</td>
<td>Mature deciduous forest and suitable undisturbed meadows dominant with grassy species are not present in the project area.</td>
</tr>
<tr>
<td>Species</td>
<td>Common Name</td>
<td>Status in Ontario</td>
<td>S-Rank</td>
<td>Status in Hamilton</td>
<td>MNR Potential SAR in Hamilton List</td>
<td>NHIC Occurrence Record</td>
<td>Potential Habitat in the Project Area</td>
<td>Rationale</td>
<td></td>
</tr>
<tr>
<td>-----------------------------</td>
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<td>----------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Myotis lucifugus</td>
<td>Little Brown Myotis</td>
<td>Endangered</td>
<td>S4</td>
<td>S4</td>
<td>−−−</td>
<td>−−−</td>
<td>No</td>
<td>Caves, quarries, tunnels, hollow trees, suitable buildings and forest edges are not present within the project area.</td>
<td></td>
</tr>
<tr>
<td>Pipistrellus subflavus</td>
<td>Eastern Pipistrelle</td>
<td>−−−</td>
<td>S3</td>
<td>−−−</td>
<td>−−−</td>
<td>−−−</td>
<td>No</td>
<td>Open woods, cliff crevices, caves, mines, rock crevices and suitable buildings are not present within the project area.</td>
<td></td>
</tr>
<tr>
<td>Aplectrum hyemale</td>
<td>Putty-root</td>
<td>−−−</td>
<td>S2</td>
<td>H</td>
<td>−−−</td>
<td>Yes</td>
<td>No</td>
<td>Deciduous woods are not present in the project area. Species not observed during site investigation.</td>
<td></td>
</tr>
<tr>
<td>Arisaema dracontium</td>
<td>Green Dragon</td>
<td>Special Concern</td>
<td>S3</td>
<td>H</td>
<td>Yes</td>
<td>−−−</td>
<td>No</td>
<td>Wet bottomland habitat is not present in the project area. Species not observed during site investigation.</td>
<td></td>
</tr>
<tr>
<td>Asclepias variegata</td>
<td>White Milkweed</td>
<td>Extirpated</td>
<td>S5</td>
<td>H</td>
<td>−−−</td>
<td>Yes</td>
<td>No</td>
<td>Suitable undisturbed habitat is not present in the project area. Species not observed during site investigation.</td>
<td></td>
</tr>
<tr>
<td>Aureolaria pediculacea</td>
<td>Fern-leaved Yellow False Foxglove</td>
<td>−−−</td>
<td>S3</td>
<td>H</td>
<td>−−−</td>
<td>Yes</td>
<td>No</td>
<td>Oak forests are not present in the project area. Species not observed during site investigation.</td>
<td></td>
</tr>
<tr>
<td>Aureolaria virginica</td>
<td>Downy False Foxglove</td>
<td>−−−</td>
<td>S1</td>
<td>H</td>
<td>−−−</td>
<td>Yes</td>
<td>No</td>
<td>Oak forests are not present in the project area. Species not observed during site investigation.</td>
<td></td>
</tr>
<tr>
<td>Carex albicans var. albicans</td>
<td>Sharp-scaled Oak Sedge</td>
<td>−−−</td>
<td>S1</td>
<td>H</td>
<td>−−−</td>
<td>Yes</td>
<td>No</td>
<td>Open sandy or rocky woods are not present within the project area. Species not observed during site investigation.</td>
<td></td>
</tr>
<tr>
<td>Castanea dentata</td>
<td>American Chestnut</td>
<td>Endangered</td>
<td>S3</td>
<td>h</td>
<td>Yes</td>
<td>−−−</td>
<td>No</td>
<td>Deciduous forest and savannahs are not present within the project area. Species not observed during site investigation.</td>
<td></td>
</tr>
<tr>
<td>Chimaphila maculata</td>
<td>Spotted Wintergreen</td>
<td>Endangered</td>
<td>S1</td>
<td>H</td>
<td>Yes</td>
<td>−−−</td>
<td>No</td>
<td>Deciduous woods are not present within the project area. Species not observed during site investigation.</td>
<td></td>
</tr>
<tr>
<td>Cornus florida</td>
<td>Eastern Flowering Dogwood</td>
<td>Endangered</td>
<td>S4</td>
<td>h</td>
<td>Yes</td>
<td>−−−</td>
<td>No</td>
<td>Deciduous forests are not present in the project area. Species not observed during site investigation.</td>
<td></td>
</tr>
<tr>
<td>Crataegus brainerdii</td>
<td>Brainerd's Hawthorn</td>
<td>−−−</td>
<td>S2</td>
<td>H</td>
<td>−−−</td>
<td>Yes</td>
<td>No</td>
<td>Old fields and pastures are not present in the project area. Species was not observed along any of the fencelines or roadsides.</td>
<td></td>
</tr>
<tr>
<td>Crataegus dissomo</td>
<td>Northern Hawthorn</td>
<td>−−−</td>
<td>S3</td>
<td>H</td>
<td>−−−</td>
<td>Yes</td>
<td>No</td>
<td>Old fields and pastures are not present in the project area. Species was not observed along any of the fencelines or roadsides.</td>
<td></td>
</tr>
</tbody>
</table>

VASCULAR PLANTS

- Uses caves, quarries, tunnels, hollow trees or buildings for roosting; winters in humid caves; maternity sites in dark warm areas such as attics and barns; feeds primarily in wetlands, forest edges
- Open woods near water; roosts in trees, cliff crevices, buildings or caves; hibernates in damp, draft-free, warm caves, mines or rock crevices
<table>
<thead>
<tr>
<th>Scientific Name</th>
<th>Common Name</th>
<th>Status in Ontario</th>
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<th>MNR Potential SAR in Hamilton List</th>
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<th>Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Euonymus atropurpurea var. atropurpurea</td>
<td>Burning Bush</td>
<td>---</td>
<td>S3</td>
<td>H</td>
<td>---</td>
<td>Yes</td>
<td>Dry to moist thickets and woods</td>
<td>No</td>
<td>Thickets and woods are not present within the project area</td>
</tr>
<tr>
<td>Eurybia divaricata</td>
<td>White Wood Aster</td>
<td>Threatened</td>
<td>S1</td>
<td>---</td>
<td>Yes</td>
<td>---</td>
<td>Mesic to dry deciduous woods</td>
<td>No</td>
<td>Deciduous woods are not present in the project area. Species not observed during site investigation.</td>
</tr>
<tr>
<td>Frasera caroliniensis</td>
<td>American Columbo</td>
<td>Endangered</td>
<td>S2</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Woodlands on sandy and clay soils</td>
<td>No</td>
<td>Woodlands are not present in the project area. Species not observed during site investigation.</td>
</tr>
<tr>
<td>Hieracium paniculatum</td>
<td>Panicked Hawkweed</td>
<td>---</td>
<td>S2</td>
<td>H</td>
<td>---</td>
<td>Yes</td>
<td>Dry open woods and sandy slopes</td>
<td>No</td>
<td>Open woods are not present in the project area. Species not observed during site investigation.</td>
</tr>
<tr>
<td>Hypoxis hirsuta</td>
<td>Yellow Stargrass</td>
<td>---</td>
<td>S3</td>
<td>H</td>
<td>---</td>
<td>Yes</td>
<td>Dry open sandy woods; wet to dry meadows and prairies</td>
<td>No</td>
<td>Sandy woods are not present in the project area. Species not observed during site investigation.</td>
</tr>
<tr>
<td>Juglans cinerea</td>
<td>Butternut</td>
<td>Endangered</td>
<td>S4</td>
<td>---</td>
<td>Yes</td>
<td>---</td>
<td>Moist, well drained soil in deciduous forests</td>
<td>No</td>
<td>Deciduous forests are not present in the project area. Species not observed during site investigation.</td>
</tr>
<tr>
<td>Monarda didyma</td>
<td>Oswego Tea</td>
<td>---</td>
<td>S3</td>
<td>H</td>
<td>---</td>
<td>Yes</td>
<td>Moist woods, swampy thickets and roadsides</td>
<td>No</td>
<td>Woods and swamp thicket are not present in the project area. Species not observed during site investigation.</td>
</tr>
<tr>
<td>Morus rubra</td>
<td>Red Mulberry</td>
<td>Endangered</td>
<td>S2</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Moist woods and wooded river valleys</td>
<td>No</td>
<td>Woods or wooded river valleys are not present in the project area. Species not observed during site investigation.</td>
</tr>
<tr>
<td>Nuphar advena</td>
<td>Large Yellow Pond-lily</td>
<td>---</td>
<td>S3</td>
<td>---</td>
<td>---</td>
<td>Yes</td>
<td>Open water, ponds</td>
<td>No</td>
<td>Open water of Hamilton harbour receives heavy wave action and boat activity. Pond-lily species were not observed in any of the sheltered areas of the harbour (Police Marine Unit dock).</td>
</tr>
<tr>
<td>Onosmodium molle ssp. hispidissimum</td>
<td>Soft-hairy False Gromwell</td>
<td>---</td>
<td>S2</td>
<td>H</td>
<td>---</td>
<td>Yes</td>
<td>River banks and flats and dry rocky woods</td>
<td>No</td>
<td>Rivers/dry rocky woods are not present in the project area. Species not observed during site investigation.</td>
</tr>
<tr>
<td>Panax quinquefolius</td>
<td>American Ginseng</td>
<td>Endangered</td>
<td>S3</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Deep leaf litter in rich, moist deciduous woods, especially on rocky, shaded cool slopes</td>
<td>No</td>
<td>Moist, deciduous forests are not present in the project area. Species not observed during site investigation.</td>
</tr>
<tr>
<td>Panicum dichotomum</td>
<td>Forked Panic Grass</td>
<td>---</td>
<td>S2</td>
<td>H</td>
<td>---</td>
<td>Yes</td>
<td>Dry to mesic sandy or rocky deciduous forest</td>
<td>No</td>
<td>Sandy or rocky deciduous forest is not present in the project area.</td>
</tr>
<tr>
<td>Panicum villosissimum</td>
<td>White-haired Panic Grass</td>
<td>---</td>
<td>S3</td>
<td>---</td>
<td>---</td>
<td>Yes</td>
<td>Dry open sandy woods, prairie</td>
<td>No</td>
<td>Sandy woods and prairie are not present in the project area.</td>
</tr>
<tr>
<td>Phegopteris hexagonoptera</td>
<td>Broad Beech Fern</td>
<td>Special Concern</td>
<td>S3</td>
<td>H</td>
<td>Yes</td>
<td>---</td>
<td>Rich, moist soil in mature deciduous forests</td>
<td>No</td>
<td>Mature, deciduous forests are not present in the project area. Species not observed during site investigation.</td>
</tr>
<tr>
<td>Polygonum erectum</td>
<td>Erect Knotweed</td>
<td>---</td>
<td>S5</td>
<td>H</td>
<td>No</td>
<td>Yes</td>
<td>Undisturbed lands</td>
<td>No</td>
<td>Suitable undisturbed habitat is not present in the project area. Knotweed may be Extirpated from the fencelines or roadsides.</td>
</tr>
<tr>
<td>Species Family</td>
<td>Scientific Name</td>
<td>Common Name</td>
<td>Status in Hamilton</td>
<td>MNR Potential SAR in Hamilton List</td>
<td>NHIC Occurrence Record</td>
<td>Habitat Requirements</td>
<td>Potential Habitat in the Project Area</td>
<td></td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>-----------------</td>
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<td>---------------------</td>
<td>-------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Porteranthus trivialis</td>
<td>Porteranthus trifoliatus</td>
<td>Bowman's Root</td>
<td>SX</td>
<td>H</td>
<td>---</td>
<td>Yes</td>
<td>Found in dry to moist, upland woods and rocky banks, mostly in the mountains.</td>
<td>No</td>
<td>Upland woods and rocky banks are not present in the project area.</td>
</tr>
<tr>
<td>Pterospora andromedea</td>
<td>Pterospora andromedea</td>
<td>Giant Pinedrops</td>
<td>S2</td>
<td>H</td>
<td>---</td>
<td>Yes</td>
<td>Conifer woods, under pine</td>
<td>No</td>
<td>Conifer woods are not present in the project area.</td>
</tr>
<tr>
<td>Sabatia angularis</td>
<td>Sabatia angularis</td>
<td>Square-stemmed Rose Pink</td>
<td>SX</td>
<td>H</td>
<td>No</td>
<td>Yes</td>
<td>Undisturbed lands</td>
<td>No</td>
<td>Suitable undisturbed habitat is not present in the project area. Rose Pink is considered to be Extirpated from both Ontario.</td>
</tr>
<tr>
<td>Scirpus clintonii</td>
<td>Scirpus clintonii</td>
<td>Clinton's Bulrush</td>
<td>S2</td>
<td>H</td>
<td>---</td>
<td>Yes</td>
<td>Prairie and open woods in south; shorelines, rock crevices in north</td>
<td>No</td>
<td>Prairie and open woods are not present in the project area. Shorelines are artificial and species was not observed during the site investigation.</td>
</tr>
<tr>
<td>Sphenopholis nitida</td>
<td>Sphenopholis nitida</td>
<td>Shining Wedge Grass</td>
<td>S1</td>
<td>H</td>
<td>---</td>
<td>Yes</td>
<td>Rich deciduous forests</td>
<td>No</td>
<td>Deciduous forest is not present in the project area.</td>
</tr>
<tr>
<td>Trichophorum planifolium</td>
<td>Trichophorum planifolium</td>
<td>Few-Flowered Club-rush</td>
<td>S1</td>
<td>---</td>
<td>Yes</td>
<td>---</td>
<td>Only found in two sites in Ontario, one being the Royal Botanical Gardens (RBG) in Hamilton</td>
<td>No</td>
<td>Project area is not located near the RBG lands (&gt;3 km away) and no specimens were observed. Species not observed during site investigation.</td>
</tr>
<tr>
<td>Uvularia perfoliata</td>
<td>Uvularia perfoliata</td>
<td>Perfoliate Bellwort</td>
<td>S1</td>
<td>H</td>
<td>---</td>
<td>Yes</td>
<td>Rich, mesic woodlands; dry oak-pine woods and thickets</td>
<td>No</td>
<td>Woodlands and thickets are not present in the project area.</td>
</tr>
</tbody>
</table>

1 - Ontario Srank; S5 = secure; S4= apparently secure; S3 = vulnerable; S2 = imperilled; SX = Extirpated; S1 = Possibly Extirpated (Species with an Srank of 1,2 or 3 is considered to be a Species of Conservation Concern in Ontario)
2 - Status in Hamilton According to Hamilton Naturalist's Club (2003); H = Rare in Hamilton Region; h = uncommon in Hamilton Region; ex = extirpated from Hamilton; I = introduced
3 - OMNR Natural Heritage Centre Biodiversity Explorer
5 - Fisheries and Oceans Canada Aquatic Species at Risk
6 - ONHNR Species at Risk Fact Sheets (2008–2010)
7 - Species Profile/Assessment and Status Report for:
   - Yellow-breasted Chat (COSEWIC, 2011)
   - American Eel (COSEWIC, 2006)
8 - Dragonflies and Damselflies of the East (Paulson, 2011): Arrowhead Spiketail
9 - American Beauties Native Plants (2013): Porteranthus trifoliatus

Both Ontario.
4.0 EVALUATION OF ALTERNATIVES & ASSESSMENT OF POTENTIAL IMPACTS

This section assesses potential impacts of sanitary sewer infrastructure (e.g., sanitary sewer lines, forcemain alternatives and pumping stations) on the natural heritage features and individual trees documented in the study area, and includes an evaluation of the forcemain alternatives.

**Proposed Pumping Station(s)**

An alternative for reconstruction of the existing pumping station on Pier 8 and the potential construction of a second pumping station on Pier 6 is not anticipated to impact terrestrial or aquatic natural features during the construction or operations phase with the implementation of appropriate construction mitigation. The existing Parks Canada pumping station is currently situated east of the Williams Fresh Café and is located adjacent to a parking lot (Photo 4 in Appendix B).

Pumping station construction could necessitate the pruning or removal of select landscape trees. Works around the existing Parks Canada pumping station may require the removal of approximately six (6) Freeman’s Maple (*Acer x freemanii*) trees with a DBH of > 10 cm. If a second pumping station is needed on Pier 6, then pruning or removal of a 65 cm DBH Tree-of-Heaven (*Ailanthus altissima*) located east of the West Harbour Marina dock entrance may be required.

**Proposed Sanitary Sewer Construction**

Any new sanitary sewer that is located along existing roadways or open space dedicated to marina operations (e.g., boat storage, parking, etc.) may require tree root or branch pruning or removal of approximately ten (10) landscape/boulevard trees, including three (3) Red Oak (*Quercus rubra*) adjacent to the Williams Fresh Café Works.

**Sanitary Forcemain alternative alignments**

A proposed forcemain that runs from a pumping station located in the vicinity of the existing Parks Canada station and continues east towards Catherine Street North, and then southerly until Brock Street, easterly along Brock St. and through Eastwood Park to Ferguson Avenue to Burlington Street may require pruning or removal of approximately two (2) Manitoba Maple (*Acer negundo*) trees adjacent to the pathway that runs through Eastwood Park. Other potential impacts include compaction of the soil and physical damage to roots surrounding these trees.

An alternative forcemain route that runs from the vicinity of the existing Parks Canada pumping station and continues south along or adjacent to Discovery Drive before turning east along Brock Street could involve pruning or removal of approximately three (3) Norway Maple (*Acer platanoides*) trees and a Little Leaf Linden (*Tilia cordata*) that border the path and/or root system impacts (e.g., soil compaction, physical damage, etc.) during construction. Should this alternate forcemain routing be located on the north side of Burlington Street from Mary Street to Ferguson Street in Eastwood Park,
protection of the existing trees in Eastwood Park would need to be addressed to avoid impacts. No potential impacts have been identified with an alternate sanitary sewer connection from Piers 6 and 7 that would connect to the sewer system on Pier 8. If a new sanitary sewer connection from Piers 6 and 7 to the existing infrastructure on Guise Street is selected, a review of the impact to the existing trees on the north boulevard of Guise Street will need to be completed.

5.0 SUMMARY

The West Harbour project area (i.e., Piers 5, 6, 7 and 8) in the City of Hamilton has limited natural features and landscape trees. Based on the background review, field assessment and proposed infrastructure alternatives that are outlined in this memo, minimal impacts are anticipated. Wildlife habitat is scarce and sparsely occupied by common urban species. The West Harbour project area contains potential habitat for one Species at Risk, Barn Swallow. The potential Barn Swallow habitat is marginal and restricted to buildings that may be removed as part of a redevelopment of Piers 5, 6, 7 and 8. Assessment of these structures is recommended to determine the potential presence and/or extent Barn Swallow nesting activity.

Other potential impacts associated with the construction of new sanitary sewer infrastructure are limited to the pruning or removal of select landscape trees, with one of the alternative forcemain routing alternatives having a marginally greater effect on landscape trees. Potential impacts to trees can be minimized through the use of mitigation measures such as the establishment of tree protection zones and the implementation of other standard arboricultural practices.
APPENDIX A

Official/Secondary Plan Schedules and HCA Regulated Area Mapping
Legend

Core Areas
Area Specific Policy - USC-1 and USC-2 in Volume 3
Linkages
Parks & General Open Space (Excluding Parkettes)
Streams

Other Features
Rural Area
John C. Munro Hamilton International Airport
Niagara Escarpment
Urban Boundary
Municipal Boundary
Subject to Future OMB Hearing
Urban Hamilton Official Plan
Natural Heritage System

MODIFICATION #55 (e)
Include lands known as 320 Barton Street, 333 Barton Street, and 247 Fifty Road, within the urban boundary.

MODIFICATION #55 (f)
Lands to be identified as ‘Parks & General Open Space’ (Mud St. W., North Side)

MODIFICATION #55 (g)
Lands to be deleted from USC-2

MODIFICATION #55 (h)
Lands to be deleted from USC-2 (560 Grey Road)

Lands to be designated as ‘Core Areas’ (Pritchard Road)

Lands to be designated as ‘Core Areas’ (Governors Road)

Lands Subject to Non-Decision 114 (56 Governors Road)

Lands Subject to Non-Decision 115 (86 Governors Road)

Lands Subject to Non-Decision 115 (East Side of Governors Road)

Lands Subject to Non-Decision 114 (See Part D)

MODIFICATION #55 (c)
Lands Subject to Non-Decision 115 (See Part D)

Note: For Rural Natural Heritage Features refer to Schedule B of the Rural Hamilton Official Plan.

Note: For Planning and Economic Development Department Natural Heritage System.
APPENDIX B

Photo Documentation
## Photo Plate

<table>
<thead>
<tr>
<th>Photo 1</th>
<th>September 6, 2013</th>
</tr>
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<tbody>
<tr>
<td>Rip-rap adjacent to Williams Fresh Café.</td>
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<table>
<thead>
<tr>
<th>Photo 2</th>
<th>September 6, 2013</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cliff Swallow nests under the shelter structure (circled).</td>
<td></td>
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</table>
Photo 3
September 6, 2013
Boat storage building that may provide potential nesting habitat for Barn Swallow.

Photo 4
September 6, 2013
Parking lot island to be reconstructed
<table>
<thead>
<tr>
<th>Tree # 265</th>
<th>Red Oak</th>
<th>Field photo number: 147</th>
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<tbody>
<tr>
<td>Tree # 266</td>
<td>Red Oak</td>
<td>Field photo number: 148</td>
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<td>Tree # 267</td>
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<th>Freeman’s Maple</th>
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<td>Tree # 269</td>
<td>Freeman’s Maple</td>
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<td>Tree #</td>
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</tr>
<tr>
<td># 271</td>
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<tr>
<td># 272</td>
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<td>Tree # 273</td>
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<td>Little Leaf Linden</td>
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<td>Tree # 277</td>
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<td>285</td>
<td>2049</td>
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<tr>
<td>286</td>
<td>2051</td>
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Tree #285: Hackberry

Field photo number: 2049

Tree #286: Hackberry

Field photo number: 2051
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<th>Tree # 288</th>
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<td>Little Leaf Linden</td>
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<td>2052</td>
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<td>291</td>
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APPENDIX B

Stage 1 Archaeological Report
FISHER
ARCHAEOLOGICAL
CONSULTING

WEST HARBOUR PIERS 5 TO 8, PUMPING STATION AND FORCEMAIN(S), ENVIRONMENTAL ASSESSMENT, CITY OF HAMILTON, ONTARIO

Stage 1: Background Study
Final Report (Original)

Historic Lots 13 - 15, Broken Front Concession, Barton Township

P359-0008-2013
(22nd November 2013)
WEST HARBOUR PIERS 5 TO 8, PUMPING STATION AND FORCEMAIN(S), ENVIRONMENTAL ASSESSMENT, CITY OF HAMILTON, ONTARIO

STAGE 1: BACKGROUND STUDY

FINAL REPORT
Original

Property Location
Part Lots 13, 14 & 15, Broken Front Concession,
(formerly) Barton Township, Wentworth County

Submitted to:
Ontario Ministry of Tourism, Culture and Sport

Werner Plessl
Executive Director
Hamilton Waterfront Trust
47 Discovery Drive,
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Archaeological Licence Number: P359, Ruth Macdougall
PIF# P359-0008-2013
(PIF is valid)

22nd November, 2013
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WEST HARBOUR PIERS 5 TO 8, PUMPING STATION AND FORCEMAIN(S), ENVIRONMENTAL ASSESSMENT, CITY OF HAMILTON, ONTARIO

ARCHAEOLOGICAL STAGE 1: BACKGROUND STUDY
FINAL REPORT

EXECUTIVE SUMMARY

Fisher Archaeological Consulting (FAC) was retained by Dillon Consulting Limited, on behalf of the Hamilton Waterfront Trust, to undertake the Stage 1 Background Study for the West Harbour Piers 5 to 8, Pumping Station and Forcemain(s), Environmental Assessment, City of Hamilton, Ontario. The project consists of the review of the two pumping stations located in Piers 6 and 8, numerous sanitary sewer route within Piers 5 to 8, two proposed sanitary forcemain routes with two alternate forcemain routes (see Figures 1 - 3).

Various historic and fire insurance maps were examined to determine the locations of any historic structures present within the Study Area. As well, modern disturbances and the infilling of the shoreline and inlets were tracked to determine the impacts to the archaeological potential. The placement of modern underground services and a windshield survey of the Study Area was conducted to determine the final determination of archaeological potential of the various pipeline routes within the Study Area.

Those areas that have not been extensively disturbed should retain high archaeological potential, as the routes mostly pass through areas that are adjacent to early transportation routes, and are within 300 metres to a water source. Based on the archaeological Stage 1: Background Study, FAC makes the following recommendations for the Hamilton Harbour Piers 5 to 8 routes, Pumping Station and Forcemain(s):

1) That the locations within the Study Area and forcemain routes deemed to be of high archaeological potential (Figure 13) require further archaeological work. This may take the form of either shovel testing where possible in Eastwood Park, or by backhoe testing if the fills are extensive. The Pier 8 and Catharine Street areas would require monitoring during construction.

2) That the locations within the Study Area deemed to be of low archaeological potential along the proposed pipeline routes (Figure 13) require no further archaeological work.
1.0 PROJECT CONTEXT
The following is a Stage 1 report, prepared for review by the Ontario Ministry of Tourism, Culture and Sport (MTCS). Archaeological consultants, licensed by MTCS, are required to follow the Standards and Guidelines for Consulting Archaeologists (MTCS 2011) during land use planning as part of the evaluation of cultural heritage resources. This includes reporting all findings to MTCS. There are four stages for archaeological work — Stages 1 to 4.

Stage 1 Background research and Property Inspection. The purpose of the Stage 1 archaeological study is two-fold. Firstly, it is to determine the potential for the presence of as yet undocumented cultural heritage resources, and secondly, to determine whether known cultural heritage resources are extant on the subject land(s).

Stage 2 Field work. Stage 2 is the actual field examination of high potential areas, and involves either surface survey of ploughed fields or shovel testing in areas that are undisturbed or cannot be cultivated.

Stage 3 Testing. The purpose of the Stage 3 is to ascertain the dimensions of the site, its cultural affiliation (if possible), and to evaluate its significance. If the site in question is determined to be archaeologically significant, then appropriate mitigation measures will be decided upon.

Stage 4 Mitigation. Stage 4 involves the mitigation of the development impacts to the archaeological site through either site excavation or avoidance (preservation).

Stage 1 determines the amount of Stage 2 work required. Stage 2 determines if Stage 3 is warranted, and Stage 3, in turn, determines if the archaeological resources are significant and warrant a full excavation (Stage 4) or if the site may be preserved. This report solely relates to the Stage 1 level of this archaeological process.

All work was conducted under archaeological licence P359. The Stage 1: Background Study research work pertains to project information number P359-0008-2013.

1.1 Development Context
Fisher Archaeological Consulting (FAC) was retained by Dillon Consulting Limited on behalf of the Hamilton Waterfront Trust, to undertake the Stage 1 Background Study for the West Harbour Piers 5 to 8, Pumping Station and Forcemain(s), Environmental Assessment, City of Hamilton (Figures 1 and 2). The project consists of piers 5 to 8, the review of the two pumping stations, proposed and alternate sanitary forcemain and sewer routes (Figure 3). Pumping Station No. 1 is located on Pier 8, east of Discovery Drive, northwest of the North Storage Yard and south of the parking lot, in a gravel area currently used as the garbage disposal area.
Pumping Station No. 2 is located at the foot of James Street North on the eastern limit of Pier 6 just south of the boat docking area.

**Proposed Sanitary Sewer Routes:** There are a series of proposed sanitary sewer lines that extend from both Pumping Station No. 1 and No. 2. From the first station, the lines branch out in all four cardinal directions, reaching from the eastern edge of Pier 8 to the northwest corner where the Hamilton Waterfront Trust Centre (HWTC) is located. From these, there are 14 secondary lines branching into the various blocks. Sanitary sewer manholes two to 10 are located along these main sewer routes in Pier 8.

Extending east and west of Pumping Station No. 2, one main line is proposed, with seven secondary lines feeding through it. Sanitary Manholes 11 to 14 are along this line, with Manhole 14 positioned just south of the Royal Hamilton Yacht club entrance. These lines run between Piers 5 and 7.

**Proposed Route from Pumping Station No. 1:**
From the pumping station, the proposed sanitary forcemain runs approximately 30m east, then 30m north and turns to run approximately 225m east to the foot of Catharine Street. From here, it turns south to the intersection at Brock Street and Catharine Street, cutting through the west edge of Eastwood Park. The forcemain then bends to the east along Brock Street and straight through Eastwood Park to Ferguson Avenue, where it heads south to the intersection of Ferguson Avenue and Burlington Street East.

**Alternate Route from Pumping Station No. 1:**
From the pumping station, the alternate forcemain route runs directly west to Discovery Drive then follows the road south to the intersection of Hughson Street North and Brock Street West, crossing over Guise Street East and down a short block on Hughson Street North. It then heads east along the length of Brock Street, turning south onto Mary Street and stretching down to just north of the Burlington Street East Right-of-Way (ROW) or within Eastwood Park just north of the ROW, where it runs east to Ferguson Avenue.

**Proposed Route from Pumping Station No. 2:** The proposed sanitary forcemain runs 50-60m south directly from the pumping station in Pier 6 to the existing sanitary sewer in the James Street North and Guise Street intersection.

**Alternate Connection for Pier 6 and 7 to Pier 8:** This proposed line is a straight connection between sanitary sewer Manholes 11 from Pier 7 and Manhole 6 in Pier 8, which connects the pumping stations. This line would cross under Discovery Drive.

The only field work conducted for this project was a limited Study Area corridor inspection undertaken as a reconnaissance of the topography and of any noticeable archaeological concerns or disturbance. This was conducted from public ROWs only.

1.2 Archaeological Context
The broad Study Area is located in the historic township of Barton, Wentworth County, and is within the City of Hamilton. The Study Area includes the Hamilton Harbour front from Piers 5 to 8 as well as roads just south
of the harbour. Most of the roads for the proposed and alternative routes are bound by mid to late 19th century buildings, including houses and factories. However, there is a park on the eastern edge of the Study Area, Eastwood Park, in which the routes run through and adjacent to.

The general topography is flat where the piers are located, mainly due to the infilling and modifications of the wharves. The natural landscape includes a relatively smooth descent from the foot of the Niagara Escarpment north towards the waterfront where the old shoreline, which once had a steep slope down to the water’s edge, and can still be seen in some areas. The neighbourhood provides evidence of this old shoreline through the cut-in and gently sloping roads. Eastwood Park is slightly irregular and rising to the south, with a raised soccer pitch and playground on the north section.

Physiographic features were noted as they would have influenced transportation routes, gathering places, food sources, climate (micro-environments), overall vegetation patterns, soil formation and determined the presence or absence of lithic resources.

1.2.1 Bedrock and Soils
The bedrock in this region is Upper Ordovician, more specifically the Queenston Formation, which consists of red shales. This formation is bordered on the west by the Clinton and Cataract Groups which make up what is known as the Niagara Escarpment. The Niagara Escarpment is a prominent physiographic feature in this area that runs through the Niagara Peninsula from upper state New York, roughly paralleling Lake Erie. The Niagara Escarpment, an exposed bedrock ridge, spans from the Niagara River west to Dundas and then northward to Tobermory and Manitoulin Island (Kor 1992:3). It is an erosional feature, modified by glacial and post-glacial fluvial activities, defining re-entrant and outlier valleys (Kor 1992: 5). The escarpment is capped by “resistant dolostone of the Lockport Formation which is typically exposed as a short, steep rock bluff above a sloping talus- or till-covered slope. Softer limestone, sandstone and shale layers underlie the hard cap rock but are only locally exposed at waterfalls or in road cuts” (Heagey 1995: 1-12).

The topography of southern Ontario is primarily due to glacial and post-glacial action. The ancient Lake Iroquois was created as the Lake Ontario ice lobe withdrew easterly, and covered present-day Lake Ontario and surrounding area, though it did not exceed past the Niagara Escarpment. The shoreline was approximately “365 feet a.s.l. at Hamilton [and rose to] 700 feet east of Stirling, which mostly is due to uplift since the draining of the lake” (Chapman and Putnam 1984: 37). The Iroquois Plain was created after the last glacier receded and Lake Iroquois drained to the east. It “extends around the western part of Lake Ontario, from the Niagara River to the Trent River, a distance of 190 miles, its width varying from a few hundred yards to about eight miles” (Chapman and Putnam 1984: 190). The Iroquois beaches stretching between Queenston and Toronto are calcareous siltstone shingles from the local shale, limestone gravel and “the inevitable sprinkling of granite, quartzite, etc., from the Canadian Shield” (Chapman and Putnam 1984: 78). There are few sand beaches along this strip, but a sandy barrier beach cuts off the Hamilton Harbour from Lake Ontario.

The Hamilton Harbour is located in an area “along the axis of the Dundas Valley re-entrant and [is] a deep buried bedrock gorge [that] extends for more than 18 km northeast from the head of the Dundas Valley, through Cootes Paradise and the Hamilton Harbour and into Lake Ontario. The bedrock surface forms shelves which
slope down towards this gorge from the north and south shores. The buried bedrock gorge is largely filled with till deposits” (Heagey 1993: 293).

1.2.2 Water Sources & Vegetation

The distance to a water source is a major factor in determining an area's archaeological potential. Generally, areas within 300 metres to a seasonal or year round source of running water are considered to be of high archaeological potential.

The Study Area runs along the southern edge of a sheltered bay (Hamilton Harbour, also known as Burlington Bay) that is located on the western edge of Lake Ontario. Lake Ontario provides many microclimates and environments with diverse resources, and would have served as a main transportation route, as well as provide many food types. It also supported European settlers and their large industrial base where various products could be easily transported to more markets. The micro-environments would have provided Aboriginal inhabitants with a wealth of subsistence resources, and the waterways and lake would have provided more food sources as well as good transportation networks.

The Hamilton Harbour is fed by Cootes Paradise (located between Dundas and the western side of the bay), Spencer Creek, Grindstone Creek and Redhill Creek watersheds, among other, smaller creeks. Runoff from the cities of Hamilton and Burlington accounts for 11% of the water intake, while their sewage treatment plants contribute 7-16% (Heagey 1993: 296).

The majority of southern Ontario would once have been forested. Presently, the Study Area (and Hamilton) is situated on the fringe between the deciduous forest, more commonly known as the Carolinian forest, and the transition zone between the mixed woods forest to the north and the deciduous forest to the south. This provides the area with a diversity of flora. Some of the main types of trees found in the mixed woods forest are the red pine, tamarack, paper birch and the black and white spruces. Notable tree species in the Carolinian forest include black walnut, pignut hickory, chestnut, paw paw, wild crab apple and the flowering dogwood. Other main species found in the Hamilton region include varieties of maple, ash, elm, oak, spruce and pine (Macdonald 1987:67).

1.2.3 Lithic Sources

Sources of siliceous stone, specifically chert, for making tools were often focal areas for pre-contact Aboriginal peoples. There are no immediate sources of lithic raw materials in the vicinity of the Study Area, and the nearest primary chert source is the Goat Island Formation (Ancaster chert) found along the escarpment from Stoney Creek through to Clappison’s Corners (Eley and von Bitter 1989: 4). Ancaster chert is part of the Lockport Formation of Middle Silurian Age. This specific chert is located along the top of the escarpment, and is between 7-10 cm thick, and its colour (fresh) is a medium grey that is usually mottled with darker inclusions of carbonate and lighter grains of quartz (Eley and von Bitter 1989: 20).

The next nearest main source, and by far the most predominate chert type on most southwest to central Ontario sites, is Onondaga Formation chert found along the northeast shore of Lake Erie (Eley and von Bitter 1989: 4).
1.2.4 Archaeological Sites
FAC requested a search of the Ministry of Tourism, Culture and Sport’s (MTCS) registered sites database for archaeological sites within a one kilometre radius of the Study Area. Although there are no registered sites within or surrounding the Study Area, there is still potential for Aboriginal and/or European find spots or sites.

One unregistered site should be noted here (see also Section 2.1) that was recorded by an historic plaque. This is the Burlington Glass Factory that was located on the northwest corner of MacNab St. North and Burlington St. This vacant land (now a park) is just to the south of the Study Area.

1.3 Historical Context
1.3.1 Aboriginal History
The history of Aboriginal people in southern Ontario is a long and varied one. This section provides a brief synopsis of the people who have been in the province for millennia — from Paleo-Indians through the Archaic, Early and Middle Woodland periods to the post-European contact period in the general Hamilton-Burlington area. Most of this section was written by one of this report’s author, J. Fisher (CRM Group et al. 2002: Section 2).

The earliest recognized people inhabiting Ontario were Paleo-Indians who were non-agriculturalists and depended upon hunting and foraging of wild foods in order to survive. They would have moved their camps on a regular basis to the areas that would have provided resources as they became available. The size of the groups of people would in part have depended upon the size and nature of those resources available at a particular location (Ellis & Deller 1990:52). People would have gathered or dispersed throughout the year depending on the availability of resources and social constraints. The environmental conditions of spruce parkland/woodland to pine forests would have necessitated frequent moves and a large range of territory in order acquire adequate resources.

While the Paleo-Indian period lasted for a millennium, the Archaic horizon lasted for approximately seven times that length spanning from 8,000 B.C. to 800 B.C. It would appear that the Archaic peoples in Southern Ontario were subsisting in smaller territories than the former Paleo-Indians, thereby becoming more regionalized. Their population was increasing, probably due to the more reliable food resources as well as greater biodiversity in these resources. One of the major differences between the Late Archaic and Early Woodland (800 B.C. to ca. 0 B.C.) in the archaeological record of southern Ontario was the appearance of pottery. By the time of the Middle Woodland, there was a major shift in the way people settled the landscape and procured foods. It is at this time (500 B.C. to A.D. 700) that people were making fish a more important aspect of their diet, although hunting and foraging continued. As a consequence, rich and large sites began to appear on river valley floors. The sites were inhabited periodically for sometimes hundreds of years, and represented a warm season macroband base camp, to take advantage of spawning fish. People kept returning to particular fish spawning grounds, and became more reliant on this resource. People were becoming more sedentary and had a restricted band territory, compared to the people from the Archaic.

When exactly the Late Woodland began and the Middle Woodland waned has been debated by archaeologists, but the designation has been based on a number of material distinct differences. Differences included new
settlement and subsistence strategies, a new type of pottery construction, different pottery decorating techniques, and a variety of projectile point forms. Based on these characteristics, it is generally felt that the Late Woodland period began at around A.D. 800 and continued until A.D. 1650, after which the time frame is designated as post-contact period. The Hamilton area is extremely rich in Aboriginal sites that represented vibrant cultures. Paleo-Indian groups lived and hunted along the top of the escarpment in Stoney Creek. Aboriginal people from the Archaic time frame inhabited up-land as well as areas closer to the lake. Woodland sites are also located in the Hamilton area and have been excavated in Burlington below the Lake Iroquois shoreline, and further inland. Villages from the Late Woodland are numerous, showing that these people prosperous and farmed many acres in the region. European contact changed all that, and social upheaval was catastrophic to the way of life for these people. Population levels plummeted and various groups were displaced or tragically, entirely wiped out.

The area that would become Ontario around the northern shores of Lakes Ontario and Erie were relatively undisturbed by significant European settlement until around the time of the American Revolution. Previously, the French had generally restricted settlement to the St. Lawrence and Richelieu river valleys, and had established trading posts in the interior, but without too much demand for land (Surtee 1994:92). All this changed after the British defeat of the French in 1760, and policy changed dramatically. The Royal Proclamation of 1763 established the procedures for land surrenders from Aboriginal Peoples for over the next two centuries. The proclamation stated that only the Crown could purchase lands in the “Indian Territory”, the mechanism for this was through formal and public councils between the Crown and the Aboriginal People whose lands were involved in the negotiations (Surtees 1994:93). Once the land was acquired, then the Crown could redistribute it either by sale or land grant.

The European and American political milieu of the time created major social upheavals, including the displacement and migration of a number of people. The first substantial influx of people into Ontario was after the American Revolution, and the area saw a migration of United Empire Loyalists fleeing the turmoil to the south, and displaced Iroquoian People. Therefore, by the War of 1812, Aboriginal Peoples in Ontario found themselves being displaced and pushed away from the waterfront tracts of land around Lakes Ontario and Erie, the upper St. Lawrence River, the Detroit River, and the Niagara River (Surtees 1994:92). The second wave of people occurred shortly after the War of 1812 and expanded beyond the waterfronts to the interior of the province, when the British government required land for settlers (both to emigrants and as settlements to disbanded military personnel – ie. Butler’s Rangers). In 1784 and 1792 Treaty #6 called “Between the Lakes Purchase” was signed between the Mississauga. These lands included “the Niagara Peninsula, lands close to the head of Lake Ontario, and the north shore of Lake Erie as far as the mouth of Cat Fish Creek” (Surtees 1994:102). It was from this large tract of land that the Grand River tract was carved.

Today, the closest First Nations are Six Nations and Mississaugas of the New Credit. Note that the Wendake Nation, of the Huron-Wendat near Quebec City have interests in archaeological sites in Hamilton.

1.3.2 Previous Archaeological Work
The data co-ordinator, Rob von Bitter at MTCS, indicated that there was one report regarding a project within 50 metres of this current Study Area.
Archaeological Services Incorporated (ASI)  
*Stage 1 Archaeological Assessment Rapid Transit Initiative, City of Hamilton, Ontario. 2009*

This report’s scope is extensive, covering narrow corridors through the City. The corridor that could pertain to this study was the James Street route. The James Street route ends at the north end of James Street. In it, the ASI report states that the James St. ROW is entirely disturbed, and does not contain any archaeological potential, but beyond this area of disturbance there were four areas that may retain potential (2009:15). These four areas are outside of FAC’s current Study Area.

The City of Hamilton’s Archaeological Master Plan (AMP) was consulted to determine if there was any relevant information pertaining to the Study Area. Portions of Appendix, showing general potential, showed that most of the Study Area showed high potential, with the exception of Pier 8 which was indicated as having low potential (mostly made land). The AMP is a general guide that requires a detailed Stage 1 study to refine this potential mapping. FAC’s study provides this refinement.

### 1.3.3 Euro-Canadian History of the Township

Between January 15th and March 12th, 1788, the Head-of-the-Lake townships within Lincoln County were surveyed and named. One of the townships in this county, established in 1791, was Barton Township, named in honour of Barton upon Humber in Lincolnshire, England (Hamilton Public Library). In 1816, the Gore District was formed including sections of the Home and Niagara districts. At the same time, two new counties were created; Halton County and Wentworth County. Wentworth County came to include the townships of Barton, Ancaster, Beverly, Binbrook, Flamborough (East and West), Glanford and Saltfleet.

The population of the Hamilton area, as many areas of Ontario were at the time, was augmented by the exodus of many United Empire Loyalists (UEL) at the end of the American Revolution. In the early 1800s, when Peter Jones (Kahkewaquonaby) of the Mississauga Nation was a boy, he described Burlington Heights and its environs when he “...traverse[d] the shores of its clear waters in a the light birchbark canoe; here ..[he] ranged the forest, and shot many a partridge, squirrel, and pigeon, where now may be seen the fine brick or stone house, and the productive farm of white man” (Smith 1987:16). By 1833, Hamilton was incorporated as a town within Wentworth County, and became a city in 1846. “For the next few decades the city had its ups and downs, almost going bankrupt in the 1860s. ... The bailiffs seized the furniture of the city hall along with the portraits of the past esteemed mayors of Hamilton and put them on the block to raise money on Hamilton’s debt. No one wanted them. A public spirited citizen finally bought them and donated them back to the city. To stall off the auditors the City Clerk took a vacation with the Assessment Rolls until the crisis was over and Hamilton was safe once more” (GC web page: History of Hamilton). During the 1890s, Hamilton became an industrial power house with iron and steel manufacturing becoming the dominant industries.

Its rapid growth demanded more lands and so began annexing sections of Barton Township, as evidenced in the Map of the County of Wentworth, by Robert Surtees. With the final annexation in 1960, the township ceased to exist. In 1974 a regional government was implemented and the City of Hamilton became part of the Regional Municipality of Hamilton-Wentworth. On January 1, 2001, the amalgamation of the city with Dundas, Stoney Creek, Ancaster and Glenbrook created the New City of Hamilton.
The Bay area of Hamilton has been called a number of names, first Geneva, but generally it was named according to sections of its shore. The southwest side has been called Burlington Bay or Burlington Heights, while along the north side it was called Head-of-the-Lake or by the township name of Barton. It was officially changed to Hamilton Harbour in 1919 (GC web page: History of Hamilton).

The Harbour was once much larger than it currently is, due to infilling. “From the beginning of settlement along the bay shore, excess water was a problem. Many large inlets went far up into what is now the heart of the city and in the spring the area turned into one great bog, cutting the northern half of the town off from the southern half. Malaria was rampant in the marsh that was the north end of the city” (GC web page: History of Hamilton).

Not only was the water used for industry – transportation of goods and produce, but also for recreation. Fishing, skating, and sailing were well documented. As well, “in the winter the icehouses sent their teams out on the harbour to cut ice. ... Big companies filled to capacity their great ice sheds along the bayfront and you could see sleighs loaded with blocks of ice moving up the streets. One ice firm in the 1920s prided itself on cutting 4 tons of ice per minutes for a total of 2,000 tons of ice daily. With the growing popularity of electric refrigeration as well as the growing pollution of the bay's waters, the picturesque job of ice harvesting gradually faded away” (GC web page: History of Hamilton).

The Harbour itself comes under the Harbour Commission, and has been under its jurisdiction since it was created by a bill in 1912. The Commission was “also to administer the navigation laws and have power to make regulations for the control of navigation” (GC web page: History of Hamilton).

The neighbourhood section of the Study Area was part of the City of Hamilton by 1859, whereas the piers were officially incorporated sometime between then and 1875. Although the political boundaries determined their location name, based on a variety of maps it appeared as though the wharves and piers were used and treated as part of the city.

2.0 METHODOLOGY

Information about the archaeological potential was gathered from various sources. The archaeological potential for Aboriginal sites has been assessed using the data collected from the Ontario Sites Database (OSD) and from environmental data collected from geological, soils, NTS topographic and Ontario maps, and various historic sources. Historic Euro-Canadian/African-Canadian site potential has been assessed using data from the OSD system, heritage structures, historic plaques, historic maps, and from primary and secondary historic sources.

During the windshield survey conducted on October 22, 2013, the Study Area was checked for current land use, if the land has been extensively disturbed, current structures and physiographic features.

2.1 Historic Plaques

In order to identify history plaques, the web site “ontarioplaques.com” was viewed. There are a number of historic plaques in the west end of Hamilton, but none directly relating to the Study Area. The closest one found
on the web site is an Ontario Provincial plaque that pertains to the Burlington Glass Works that was located on the corner of Burlington Street West and MacNab Street North. “The Burlington Glass Works ... was one of the most important 19th century glass houses in Canada in terms of the variety and quality of its production. From 1874 to about 1897 skilled artisans produced lamps, tablewares and containers. Glass-production techniques included free-blowing, mould-blowing and pressing in a mould. Pot furnaces produces several different types of glass in a wide range of colours”(Ontarioplaques.com). “The colours included opal, blue opal, custard, flint (clear), red, blue, amber, green, and various shades thereof (Archive.org). Other glasswares included bottles, sealers (preserve jars) and salts (Archive.org). Archaeological excavations in 1960s were conducted on the location of the factory (Ontarioplaques.com).

The other historic plaque (National Historic and Monuments Board of Canada) in the area concerns the Haida, which was a battle destroyer in the Second World War. This destroyer was docked in Toronto for decades, and then docked in Hamilton.

2.2 Land Use of the Study Area

This section provides a detailed description of the sources utilized in determining the previous land uses of the Study Area. A summary of the information gathered from the visual images consulted is presented in Table I below. These sources include historic maps, superceded and current topographic maps, and aerial imagery. An examination of the former land uses aids in determining the archaeological potential for both the preceding millennia and the more recent historic periods.

<table>
<thead>
<tr>
<th>Item</th>
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<tr>
<td>Barton, Wentworth County. Scale 40 chains to an inch. HPL=LHA, Call No. I-1-1791/1, Barcode 32022 18911020 4</td>
<td>1791</td>
<td>Plan of Barton Township, with lots surveyed and blank. The basic shoreline and water courses have been added.</td>
</tr>
<tr>
<td>Barton Township HPL-LHA, Call No. I-1-1791/3, Barcode 32022 18911022 0</td>
<td>1791</td>
<td>This map shows the surveyed lots with basic geographical landmarks such as water courses. The Hamilton Harbour is named Lake Geneva. Names have been written on each lot. Con 1 Lot 13: Ralph Clinch, 2 Dec 1802 Peter Ferguson Con 1 Lot 14: Ralph Clinch, 10 July 1801 Jno Askin Sr Arch Con 1 Lot 15: Ralph Clinch, 10 July 1801 Jno Askin Sr Arch Con 1 Lot 16: 15 Dec 1796 Caleb Reynolds Broken Front (BF) Lot 13: PF BF Lot 14: RC, 10 July 1801 Jno A Sr. Arch BF Lot 15: RC, 10 July 1801 Jno Askin Arch BF Lot 16: (blank)</td>
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<tr>
<td>Barton HPL-LHA, Call No. I-1-1793/2</td>
<td>1793</td>
<td>This map focuses on Cootes Paradise and the surrounding topography and waterways, but also includes the surrounding township names &amp; the bay. The bay is referred to as Burlington Bay with a description that says boats can enter the bay in spring and fall. Paralleling closely to the shoreline near the SW corner of the bay &amp; extending SE is a trail marked “His Excellency Lieut. Governor Simcoe’s Route to Niagara”.</td>
</tr>
<tr>
<td>Plan of Burlington Bay HPL-LHA, Call No. I-2-1823/1</td>
<td>1823</td>
<td>This map is of Burlington Bay and surrounding townships. There are no roads or surveyed lands depicted. Barton Township is labelled, &amp; shows a fairly smooth, undulating shoreline. There are various military buildings &amp; store houses as well as Landing’s Stores and Col. Beasley was referenced on this map. At the SW corner where the shoreline turns north &amp; becomes part of the bar that cuts the bay from what is now known as Cootes Paradise, there is a Battery.</td>
</tr>
<tr>
<td>Hamilton, 1836 HPL-LHA, Call No. I-2-1836/4, Barcode 32022 18911037 8</td>
<td>1836</td>
<td>Layout of road system with waterfront properties divided into lots. Three wharves are labelled: MacNab’s Wharf (foot of MacNab St), Gunn’s Wharf (foot of James St) and Hughson’s Wharf (foot of Hughson St). The shoreline is quite close to Base St (present-day Burlington St) between Mary and Ferguson streets compared to present-day.</td>
</tr>
<tr>
<td>Plan of the Town of Hamilton, Gore District, Canada (Figure 4a &amp; b)</td>
<td>1842</td>
<td>James and John Streets are the only NS streets depicted on the map in the Study Area. Three structures might be on the forcemain routes, including a Brewery (located in Eastwood Park today); Seven structures may be within the boundaries of the Pier areas.</td>
</tr>
<tr>
<td>Map of the Bay and Harbour in Front of The City of Hamilton in the Gore District Hamilton Public Library: Local History &amp; Archives (HPL-LHA)</td>
<td>1846</td>
<td>Land has been surveyed, roads drawn and labelled with the lands divided into small lots from Mary Street, west to the shoreline. Base Street (present-day Burlington St E) continues to the east through vacant lands. No buildings are shown but four main wharves are labeled (from west to east): MacNab’s Wharf, Land &amp; R. th’s Wharf, W.E. Browne’s Wharf and “Warren’s Ocpp’d by Browne” (suggesting that Warren’s wharf is occupied by Browne). Each wharf has one storehouse on it. Near-shore underwater terrain noted near harbour front.</td>
</tr>
<tr>
<td>Marcus Map (UofT on-line maps) (Figure 5)</td>
<td>1850</td>
<td>Wharves named. Development of the City extends eastward to Mary St, showing little in the way of structures to the east side of this street. To the east various sized inlets are shown, and farms of Archibald Ferguson and John D. Lands. One interesting structure to note is a “Powder Magazine” shown on the north side of Barton St half way between Mary and Wellington Streets.</td>
</tr>
<tr>
<td>Map of the County of Wentworth, Canada West. Robert Surtees</td>
<td>1859</td>
<td>The bay is known as Burlington Bay. The City of Hamilton incorporates the neighbourhood surrounding the wharves but does not include them. Among the main wharves labelled, the only two within the Study Area to be labeled are Browne and Falkner’s Wharves. The land east of Mary St is beyond the city limits, and is owned by A. Ferguson. Mary St continues north to the shoreline (past where it ends today).</td>
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<td>Barton Township. Illustrated Historical Atlas of the County of Wentworth, pages 11, 56 (Figure 6)</td>
<td>1875</td>
<td>Page 11: Barton Twp - Shows outline of shore with road networks ending at the shoreline. Shore has a few clear manmade modifications where the wharves are. No buildings, names or labels present. Page 56: Wards 5 &amp; 6- Same as on page 11, however also shows two inlets; first one cuts in immediately south of where Brock St and Mary St intersect and ends just southwest of this intersection. The other inlet extends from Ferguson Ave (parallel to the midpoint between Burlington and Brock streets) and branches into two, one reaching the north edge Burlington Street East partway between Catharine and Mary streets while the other ending in the southwest section of what is now Eastwood Park.</td>
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<tr>
<td>Bird’s Eye View of the City of Hamilton, Province Ontario, Canada. <em>HPL-LHA, Call No. I-4-1876/1</em></td>
<td>1876</td>
<td>Harbour front cut off on map, but shows that the wharves are made of wood &amp; supported by posts put into lake bed. From the foot of Wood St where Brock St intersects over to where Catharine and Brock streets intersect, there are a variety of wharves and warehouses. Heaping mounds of coal are shown as well. West of the Wood St/Brock St intersection the shoreline is tall and steep. A general trend that the landscape slopes north &amp; east is seen through how the roads were drawn as well as the exposed sloped lands between roads. By MacNab St, the slope has mostly flattened out. Brock St does not have any buildings along either side. Between the wharf at the foot of James St &amp; the buildings on John St, the shoreline appears undeveloped and low-lying. Mary St &amp; Wood St both end at their intersection. The land east of Catharine St, with the exception of a few houses along it, are vacant &amp; have a steep-banked inlet cutting inland, stopping just north of Picton St. The City Hospital is marked on the map in the SE corner of the intersection of John and Guy streets.</td>
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<tr>
<td>City of Hamilton, Canada, 1883. <em>HPL-LHA, Call No. I-4-1883/1</em></td>
<td>1883</td>
<td>Bird’s eye view of the city, looking from the escarpment to the north with the harbour in the background. Shows multiple wharves jutting out into the water, with businesses and housing just south of the harbour front.</td>
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<tr>
<td>Hamilton <em>HPL-LHA, Call No. I-4-1893/1, Barcode 32022 18911091 5</em></td>
<td>1893</td>
<td>Bird’s eye view of the harbour front. From west of Study Area to the east along the water’s edge: Browne’s Wharf, E. Browne &amp; Son; RO &amp; AE Mackay’s Wharf, Hamilton Steamboat Co. (foot of James St). Brock St runs from Hughson St to Mary St &amp; has both vacant land as well as buildings along its sides. There are vacant lots on the north side at the corner of Brock &amp; Mary streets. Between Mary &amp; Ferguson streets, between Burlington St &amp; where Brock St intersects with Mary St is vacant divided lots, with two lots with houses in the SW corner along Mary St. The north section of these lands running to the water are vacant, seemingly undivided land.</td>
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<td>City of Hamilton, Canada: With Views of Principal Business Buildings *HPL-LHA, Call No. I-4-1894*</td>
<td>1894</td>
<td>Similar to 1893 map. Western limit of harbour front in Study Area is blocked by an overlaid image of a building, but it can be seen that there are one-storey buildings and a dock. Along the whole harbour front it can be seen that the area has been modified, and the wharves and piers are being supported by many wood poles that have been put into the lake bottom. At the foot of MacNab St there is a one- to two-storey building at the south end of the wharf, with a large warehouse building appearing to be made of wood on the north edge of the wharf. There is another wharf between MacNab and James streets that extends into the water with a small building on the SE corner of the wharf and an L-shaped building on the NW corner. S and SW of this are five buildings - the S cluster of three appear to be wood-framed. A trolley track appears to run north-south along James St, turning onto Brock St where it ends before Hughson St. At the foot of James St., Brock St starts and angles easterly from James St. On the north side of Brock St just east of James St there are two adjacent lots which appear to be landscaped and a fence bordering the properties as well as dividing them. They also appear to be sloping down toward the waterfront. The west property has a building in the SW corner. A road divides the east lot with another lot. This latter lot has an irregular shape to it, but like the other lots, has landscaped lawns and a fence bordering it. There are two houses which are similar to the one on the western lot. Just north of this, at the foot of Hughson and John streets, north of Guise St, there is a large, roughly rectangular-shaped wharf. On the western edge there is a long warehouse. To the east of this along the south edge of the wharf is a large multi-storey factory with a tall chimney. On the eastern side there are four buildings, one of which extends north as a lean pier. As the area has been laid as a grid with an irregular shoreline, Catharine St ends at Guy St. The property with the four buildings marks the end of the industrial section of the shoreline, with its western limit running along the same line as Catharine St. East of Catherine St the shoreline cuts inland and appears to have a naturally steep bank, which becomes quite tall and steep between Mary and Ferguson streets, which both continue out into the water as small docks.</td>
</tr>
<tr>
<td>Key Plan of Hamilton, Ontario. Volume I. Page 38 *only page available* *(Figure 9a)*</td>
<td>Jan 1898</td>
<td>Depicts the area west of James St (North), ending just west of MacNab St (North) and north of Burlington St (West). Brock (St) West was noted as the Late Bay (St) North. Within Study Area, there are three noted wharves; western one is owned by E. Browne and Son which has five buildings including a large coal shed, general warehouse and a weigh house. The middle wharf is owned by Thomas McIlwraith, with at least six buildings including a general warehouse, three coal sheds, weigh house and an office. there are two areas of slope noted on the west and south edges of the property. the eastern wharf was property of R.O. and A.B. Mackay, with several buildings such as general and bonded warehouses and three coal sheds. There are two cellars and two buildings in the path of where Brock St will eventually cross to join up with James St. (after this map was created). At the foot of James St (North) is a man-modified docking area.</td>
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<tr>
<td>NTS 30 M/5 *Figure 7a*</td>
<td>1909</td>
<td>Depicts built up areas in the north end of Hamilton. There are many wharves still present, as well as large buildings such as warehouses and industries. Green areas are present, including the area that would become Ferguson Park.</td>
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<td>Hamilton 1909. By J.L. Wiseman. <em>HPL-LHA, Call No. 1909/1 Oversize</em></td>
<td>1909</td>
<td>This bird’s-eye view shows a very built-up city with specific companies labelled, and displaying the various types of transportation. The entire north faces of the harbour front is manmade, showing straight walls, crisp edges, and the platforms/piers/wharves are made of a solid material whose sides extend below the water. Along the harbour front, from the western limit of the Study Area to James St, there are three wharves with straight edges to allow boats to dock. To the south of the first dock is a pair of long one-storey buildings. The middle building, with a ship labelled “Belville” docked in front of it is the “Richelieu &amp; Ontario Nav. Co.”. Behind the second dock there is another pair of long one-storey buildings. On the wharf between the second dock and the one at the foot of James St, there is a two-storey building. James St itself is a wider street running straight back into the city with horse-drawn carriages &amp; electric trolley cars running along the street. Between James St &amp; John St there is one more dock, with a factory just to the south of it, composed of three small one-storey buildings and three-storey (?) building, as well as a tall chimney. On the east edge of the dock there are two two-storey buildings. Various types of boats and ships are shown including recreational and commercial. Behind the large factory and at the foot of John St it displays a steep forested slope that runs parallel to the water’s edge, then starts angling south to James St. There are a set of stairs for people to walk down from Guy St to the flat pier. At the foot of John St along the water’s edge the wharves continue with a multi-stepped wharf with a building at the south end of it, which appears to have either windows or doors on the north side, three levels tall. At the foot of James to John St there are two roads that run perpendicular - these are believed to be Brock &amp; Guy St., the former sloping down easterly and ending at Catharine St while the latter ends at John St. Where Brock and Catharine streets meet is the SW corner of a landscaped park which extends east to approximately Wellington St. The northern edge of the park is a straight wharf edge. It has small shrubbery outlining the park and some of the landscaped lawns, with a large fountain in the centre of it, as well as a small one on the west side of the park.</td>
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| Key Plan - Insurance Plan of Hamilton, Ont. Volumes I, II, III.      | Mar 1911 | Page 36: The western edge of the Study Area is shown here with a modified wharf that housed the J.H. Gummer Ice Houses. The main ice house building is just outside of the Study Area but a platform, smaller ice house and an ice conveyor run from the water’s edge back to the main ice house. The next property east is the Robertson Bros. Shipyard with several buildings including the ice house of W. B. Foyster, a boat builder house, and the Royal Hamilton Yacht Club (R.H.Y.C.) building which is on the edge of the pier. Next to this is the Hamilton Motor Wks (Works) for gasoline and motor boats, which has two small outlying buildings, one which abuts Brock (St) West. The original shoreline/banks are noted along the north edge of the road.  
Page 38: E. Browne and Son’s large coal shed was replaced with a two small buildings and two warehouses were built beside the general warehouse at the wharf edge. On the McIlwraith property, one of the buildings is marked as dilapidated and three coal sheds and the general warehouse is gone. Mackay’s property is now owned by the Canada Steamship Lines Ltd (Inland Navigation Co. Ltd). Three coal sheds and two other buildings were replaced with a freight shed, storage, coal shed and two other buildings.  
Page 39: Shows James St (North) to John St (North) and Brock St (East) northward. The Canada Steamship Lins Ltd. abuts the James St docking area and includes a landing shed, freight shed and ice houses. To the east of these are the Hamilton Rowing Club and municipal storage buildings. Along Guise (East) there are 1-2 ½ storey buildings (houses?), mostly on the south side but three are located on the north side where Hughson St intersects. At the intersection where John St ends at Guise St there are nine boat houses and an office. The office is located at the top of the ridge on the north edge of Guise St. Between Hughson and John streets there are few buildings on either side of Brock St (East). There is a large ice house on the south side about 1/4 of the block east of Hughson. The north side has three small buildings and the side of a 2 ½ storey house.  
Page 48: Brock St (East) continues to have few buildings along either side. Partway between John and Catharine streets is a building on the north side of Brock St, apparently not part of the House of Refuge property. There is one at the very northeast corner of John and Brock streets, the side of a home in the southeast corner of that intersection and the southwest and southeast corners of Brock and Catharine streets. The rest of the land on either side is vacant. The east side of Mary St is vacant while the west side of the road from Brock to Burlington streets has vacant land, six houses, the Canadian Knitting Co. Ltd. property then three more houses. Catharine St (North) continued north and at the foot of it was a wharf belonging to the Canada Steamship Lines Ltd. (Mutual Steamship Co.). This included three freight sheds, a large and small office, and two platforms. |
| NTS 30 M/5                                                          | 1915 | Same as 1909 edition.
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<tr>
<td>Burlington Bay. Surveyed by Mr. G.A. Bachand \ HPL-LHA, Call No. I-3-1915/2, Barcode 32022 18911124 4</td>
<td>1915</td>
<td>This map displayed water depths, the road system (no roads are labelled), and the various wharves. Within the Study Area, between the western limit and James St there appears to be four wharves extending into the water, two of which have a large building or set of joined buildings. At the foot of James St is the Canada Steamship Lines. From James St to John St there are two buildings, a (labelled) chimney, &amp; a few docks or boathouses at the foot of John St. The eastern limit of the Study Area on the harbour front includes a wharf with four buildings and is labelled Harbour Commissioner’s Dock.</td>
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<tr>
<td>NTS 30 M/5 (Figure 7b)</td>
<td>1923</td>
<td>Shows massive infilling along northern end of the harbour area, on the western side of Wellington St. Park or open area is not depicted in the area where Ferguson Park is currently present.</td>
</tr>
<tr>
<td>Hamilton Harbour. Canadian Hydrographic Service (CHS). Surveyed by Mr. G.A. Bachand, Mr. J.U. Beauchemin and assistants. Scale 1:18,000 HPL-LHA, Call No. I-6-1926/1, Barcode 32022 18911154 1</td>
<td>1926</td>
<td>This map focuses more on the water depths but has the road systems showing as well as major factories in Hamilton. Within the Study Area the R.H.Y.C. building is shown and labelled on a wharf west of MacNab St N. There is a building on either side of MacNab St N at the water’s edge. At the foot of James St N, there is a pier that extends into the water and is labelled F.G.W., with a building to the east of this and north of Hughson St N. It has been noted the the east side of the pier was dredged 15 feet. At the foot of Catharine St N there is a wharf with two buildings and is labelled F.R.G., accompanied by a small building on the east side of the wharf. Smaller boat docks are noted at the foot of John St N. On the SE corner of John St N and today’s Guise St E there is a large building on the corner with a smaller one slightly south and to the east of the large one. Between Brock St and what is present-day Guise St N, Mary runs north, then turns northwest to the intersection of Catharine and present-day Guise streets. Eastwood Park is labelled &amp; its eastern limit is a property line. Ferguson St ends at Burlington St.</td>
</tr>
<tr>
<td>Tyrell Map UofT on line map (G3524 H3_24_1922)</td>
<td>1922</td>
<td>Eastwood Park labelled, and extends EW between Mary and Wellington Streets, and north from Burlington St. to the harbour; large square block of artificially made land.</td>
</tr>
<tr>
<td>Hamilton Harbour. CHS. HPL-LHA, Call No. I-6-1929/3, Barcode 32022 18911163 2</td>
<td>1929</td>
<td>Road system is shown with a few main streets labelled. Several wharves are shown in Study Area with six buildings in total, spread out on along the harbour front. Three of them are labelled: R.H.Y.C., F.G.W., and F.R.G. At the foot of James St a long, skinny section in the water has been dredged out 15 feet. To the east and surrounding the eastern edge wharf at the foot of Catharine St the waterway has been dredged 20 feet. On the SE corner of John and present-day Guise streets, two buildings are present. These will be the Home for the Aged and Infirm. Eastwood Park labelled &amp; is bordered by Burlington St on the south, the eastern edge by a property line, the north by the straight cut edge of the waterfront, &amp; on the west by Catharine and Mary streets.</td>
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<td>Hamilton Harbour. CHS.</td>
<td>1938</td>
<td>Road system is shown with only few main streets labeled. More wharves in Study Area outlined with several buildings noted with two of them labelled: Royal Hamilton Yacht Club and a chimney. Eastwood Park also labelled. Spot depths shown in bay.</td>
</tr>
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<td>HPL-LHA, Call No. I-7-1938/5, Barcode 32022 189, 11168 1</td>
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<td>NTS 30 M/5 (Figure 8a)</td>
<td>1938</td>
<td>The shoreline on the western side of Study Area is becoming more regular, i.e. infilling continues. The large made land area at the north end contains buildings &amp; a park area. A Hospital is listed as well.</td>
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<tr>
<td>Hamilton Harbour. CHS.</td>
<td>1943</td>
<td>Similar to 1938 edition, except no chimney is labelled, and the foot of James St has a long dredged out section at a depth of 15 feet.</td>
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<td>HPL-LHA, Call No. I-8-1943/1, Barcode 32022 18911185 5</td>
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<td>Fire Insurance Map. Pages 100-101, 103 (Figure 10a)</td>
<td>1947</td>
<td>An interesting feature on these series of Insurance Maps is the depiction of topography on them. Heights of land, sloping down toward the water are shown, as well as a depression at the corner of Simcoe West and Bay North.</td>
</tr>
<tr>
<td>Map of the City of Hamilton, ON</td>
<td>1950</td>
<td>Shows road, trolley and rail network as well as the concessions (the Study Area is in the Broken Front). The trolley network went along the roadways of James &amp; Guise Streets, &amp; ends/loops back at the northeast corner of John &amp; Guise Streets. The bathing beach, Royal Hamilton Yacht Club are labelled on the west side of the Study Area, north of Bay &amp; Guise Streets. Eastwood Park is located between Burlington St &amp; the revetment wall at the bay’s edge, from Catharine St (north half) and Mary St (south half) to where Ferguson Ave would continue. The park has a swimming pool off Mary St. The Leander Boat Club has a building at the foot of John St. Shoreline.</td>
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<tr>
<td>Scale 1”=800’ Mcmaster University Map Library AC 241170</td>
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<tr>
<td>Hamilton Harbour. CHS.</td>
<td>1952</td>
<td>From the west limit of the Study area eastward, there are the buildings labelled Power Boat Ass. Dock, R.H.Y.C., an unlabeled building at the foot of MacNab St, H.H.C. Marine Ry, Marine Police Patrol at the foot of Hughson St &amp; the Harbour Com’n building on the eastern extent. The area o the east of this wharf has been dredged to 20 feet. At the foot of James St there is a long thin area running north that has been dredged 15 feet. A few small boat docks or boathouses are located at the foot of John St. There are two buildings on the southeast corner of John and Guise streets - not labeled but were part of the Macassa Lodge. Eastwood Park’s limits are Burlington St to the south, the straight-cut edge of the land that abuts the dredged area to the north, Mary and Catharine streets on the west and the property line to the east.</td>
</tr>
<tr>
<td>Scale 1:18,000 HPL-LHA, Call No. I-9-1952/3, Barcode 32022 18911199 6</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aerial Photograph</td>
<td>May</td>
<td>View of Hamilton Harbour Commission Marine Dock</td>
</tr>
<tr>
<td>HPL-LHA, Barcode 32022 18908967 1</td>
<td>1954</td>
<td></td>
</tr>
<tr>
<td>Item</td>
<td>Date</td>
<td>Comments</td>
</tr>
<tr>
<td>------</td>
<td>------</td>
<td>----------</td>
</tr>
</tbody>
</table>
| Hamilton Harbour. CHS. Scale 1:18,000  
*HPL-LHA, Call No. I-10-1959/1* | 1959 | From west to east in the Study Area, there are buildings labelled Power Boat Ass’n Dock and R.H.Y.C. between the western limit and MacNab St. At the foot of MacNab is the Service Wharf. Between MacNab and James streets is the H.M.C. Marine Ry. & Dock. At the foot of James St is a small wharf with an area on its east side dredged out 15 feet. Between the James St. Wharf and the foot of Catharine St there is a marine garage and Marine Police Patrol, a few small boat docks at the foot of John St and three buildings, one of which is on the west side of the wharf while the other two line the east edge which extends out a bit further than the rest of the wharf (at the foot of Catharine St). East of this last wharf is at a depth of 20 feet, and in 1958 a section of this and to the northeast of the wharf was 26 feet. Connecting to the north edge of the wharf and the west side of the 26-foot deep area is a 15 foot deep area in a rough rectangular shape, also created in 1958. A section of water has been designated as a “no anchorage” zone from a dock around the James St Wharf to northwest corner of the wharf at the foot of John St and across the bay to Willow Point. Eastwood Park is bounded by Mary St, Burlington St, the H.M.C.S. Star property and the proposed extension of Ferguson St. Mary St runs north past Brock St then angles northwest and joins the Catharine and Guise streets intersection. There are two buildings on the south side of Guise St and the corner of John St. |
| Fire Insurance Map. Pages 100-3, 100-4, 101-1, 102-2, 103-1 (*Figure 10b*) | 1964 | Topographic information no longer depicted. Structure is shown on potential forcemain route to the immediate east of the Mary and Brock street intersection. |
| Soil Map of Wentworth County Report No. 32 | 1965 | Harbour area shown as part of the urban landscape of Hamilton, and has not been labelled. |
| Hamilton Harbour. CHS. Scale 1:18,000  
*HPL-LHA, Call No. II-2-1967/1* | 1967 | Similar to 1959 edition except there are boat docks by the R.H.Y.C. and off the west side of James St. Wharf. The area where the depths were 15 and 26 feet is now Pier 8 which still houses the buildings on the east edge. Surrounding the pier the water depth has been altered to 26 feet. The area of prohibited anchorage between Pier 8 and Willow Point is a pipeline area |
<p>| NTS 30 M/5 (<em>Figure 8b</em>) | 1968 | Pier 8 now shown as extant with a lagoon in the western area of the pier. A large structure is shown in the northeastern corner of the pier. Hospital is no longer noted. Shoreline shows more modification. |</p>
<table>
<thead>
<tr>
<th>Item</th>
<th>Date</th>
<th>Comments</th>
</tr>
</thead>
</table>
| Hamilton Harbour. CHS. Scale 1:18,000  
_HPL-LHA, Call No. II-2-1969/2_ | Aug. 15 1969 | This map focuses on water depths, road system, major Hamilton factories and waterfront features. Within the Study Area the Leander Boat Club, R.H.Y.C. and two small boat docks are shown west of MacNab St N. At the foot of MacNab St N is a service wharf, and two buildings are shown just to the east of the street, one of which is H.H.C. Marine Ry. & Dock (Hamilton Harbour Commission Marine Railway & Dock). The James St Wharf includes boat docks to its west and a 15-foot dredged out dock on the east. Abutting this is Pier 8 which includes a small marine garage and the Marine Police Patrol building on the southwestern portion of the pier. There is one small building in the southeast section while two large buildings compose the northeast corner of the pier and belong to H.H.C. as the Harbour Masters Office. From part of the north and west sides of Pier 8 to the area including and surrounding Willow Point on the other side of the bay, this area of water has prohibited anchorage as there it is designated a pipeline area. The water depths in this section vary between 37 and 49m. There are two buildings shown on the southeast corner of the Guise St and John St intersection. Mary St runs north and ends at Brock St. Eastwood Park includes the land between Brock St and the H.M.C.S. Star (at Pier 9), and Catharine St and the property line. Ferguson St has extended across Burlington St, as an entrance into the park. |
_HPL-LHA, Call No. II-3-1974/1_ | 1974 | This map shows the land uses of Hamilton. Piers 5 and 6 are recreational, Piers 7 and 8 are industrial, and the neighbourhood portion of the Study Area is low-density residential, with Eastwood Park designated recreational. |
| Hamilton Harbour.  
_HPL-LHA, Call No. II-4-1977/1_ | 1977 | This map focuses on water depths and other marine features and landscapes, but also shows main roads and railway system in Hamilton. The piers are labelled, with Pier 8 known as Centennial Dock. Pier 5 includes one wharf, two dock systems and two buildings, one of which is located at the end of Guise Street (which eventually becomes Leander Dr). Pier 6 has three buildings and a wharf. Pier 7 includes the James St Wharf and a large dock system, the marine patrol building, and small docks off the wharf. Pier 8 has three large buildings around the perimeter of the pier on the north and east edges. Eastwood Park follows the limits of Burlington St, Guise St and the property line on the east. The western limit is Mary St which ends at Brock St. This is where the park extends west to Catharine St. |
| NTS 30 M/5, Edition 8 | 1984 | Ferguson Park labelled as Park. There is a beacon labelled at the NW corner of the pier area. Not much difference from the 1972 30M/5c edition. |
The mapping for this area of Hamilton has been extensive from the mid-1800s into the 20th century, and it shows development and infilling of both watercourses and the shoreline over the last century and a half. The 1842 map is informative in showing the lack of roads in the area, but shows that the area was filled with inlets and streams emptying into the bay along the eastern side of the Study Area. There were a number of structures in the area including what was labelled as a Mess Hall (northern end) and a Brewery in the east. This brewery, was described in the Spectator newspaper (28 July 1858) of “Leopold Bauer's Lager Brewery, situated on the shore near the foot of John Street. The reporter seemed most impressed by the size of the beer cellars, which were 150 feet long, 11 feet high, and were 20 feet below ground. Above these, Mr. Bauer maintained very fine flower gardens” (Brookes 2013). “Leopold Bauer's brewery, near the foot of John Street, was destroyed by fire during the winter, but on the 28 April [1875], the Spectator printed such a glowing description of the new brewery which had risen from the ashes, that one must assume that Leopold had sent a keg of his finest up to the newspaper office” (Brookes 2013).

The other maps show the progression of construction and demolition or replacement of buildings, the expansion of neighbourhoods and roadways, and especially the infilling of those previously mentioned watercourses and shorelines. The massive infilling for Pier 8 is indicated to have taken place in the 20th century between 1938 and 1968. The northwest corner of the potential forcemain route has been completely infilled by 1923 (Figure 7b). All of this information about infilling, former structures, and road construction with the associated infrastructure installations, was examined and compared to develop a final potential mapping for the pipeline routes through both the piers and out into the adjacent neighbourhoods. This potential information is compiled in the next section of this report, and shown in Figure 13.

### 3.0 ANALYSIS AND CONCLUSIONS

Based on the above information the following table describes the results of the visual survey and the archaeological potential for each section’s pipeline routes of the Study Area. The mapping was examined from the earliest maps with historic structures depicted, to current services, to the visual assessment as the final state of land use. The modern infrastructure map and visual assessment then indicates the final determination of archaeological potential of the Study Area and forcemain routes.

**Table 2**

<table>
<thead>
<tr>
<th>Location</th>
<th>Potential</th>
<th>Disturbances</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Piers 5 to 8</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pier 5</td>
<td>1842 - low for pipe route</td>
<td></td>
<td>Queen’s wharf with structure; west half still lake; structures at top of slope to south of Study Area</td>
</tr>
<tr>
<td>Location</td>
<td>Potential</td>
<td>Disturbances</td>
<td>Comments</td>
</tr>
<tr>
<td>----------</td>
<td>-----------</td>
<td>--------------</td>
<td>----------</td>
</tr>
<tr>
<td></td>
<td>1850 - low, except for potential structures in east half</td>
<td>Structures on east wharf and at top &amp; base of shore slope, east half</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1898 - same as 1850</td>
<td>Construction of coal sheds &amp; warehouses</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1909-11 - low on west; potentially 19th C structures on pipe route in east</td>
<td>Change in industrial/commercial use of waterfront</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1923 - same as 1909</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modern Infrastructure map - low in east</td>
<td>watermain &amp; sewers</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visual Survey Results &amp; Final Potential</td>
<td>Low - Aboriginal &amp; 19th C</td>
<td>East side - substantial grading &amp; utilities</td>
<td>West side - current parking/structures is former lake; top of shoreline is south of Study Area (graded/cut in Study Area)</td>
</tr>
<tr>
<td>Pier 6, including pipe route at James St N</td>
<td>1842 - low for pipe route</td>
<td>Structure on wharf; shoreline</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1850 - low, except for possible structure on pipe route</td>
<td>Also warehouses on wharf</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1898 - same as 1850</td>
<td>Construction of coal sheds &amp; warehouses</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1909-11 - low, except for possible 19th C structure still present on pipe route</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1923 - same as 1909</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modern Infrastructure map - low at head of James St; high for 19th C structure on pipe route west of James</td>
<td>CSO tank &amp; water &amp; sewers</td>
<td>HPA Marina pumping station at wharf’s edge</td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>Potential</td>
<td>Disturbances</td>
<td>Comments</td>
</tr>
<tr>
<td>----------</td>
<td>-----------</td>
<td>--------------</td>
<td>----------</td>
</tr>
<tr>
<td>Visual Survey Results &amp; Final Potential</td>
<td>Low - Aboriginal &amp; 19th C</td>
<td>Modern services in area of 1850s structure on pipeline route &amp; along graded top of slope</td>
<td></td>
</tr>
<tr>
<td>Pier 7</td>
<td>1842 - low for most apart from south edge</td>
<td>Deep fill near potential structure</td>
<td>Shoreline</td>
</tr>
<tr>
<td></td>
<td>1850 - low for pipe route</td>
<td></td>
<td>Structures to north &amp; south</td>
</tr>
<tr>
<td></td>
<td>1909-11 - same as 1850</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1923 - same as 1909</td>
<td>More infilling</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Modern Infrastructure map - low for whole pier</td>
<td>Sewers on all sides</td>
<td></td>
</tr>
<tr>
<td>Visual Survey Results &amp; Final Potential</td>
<td>Low - Aboriginal &amp; 19th C</td>
<td>Grading of slope &amp; modern services impact all sides;</td>
<td>No documented structures in centre; graded &amp; fill will have removed Aboriginal potential in centre</td>
</tr>
<tr>
<td>Pier 8</td>
<td>1842 - low for NW (west end &amp; Blocks 1 &amp; 2); high for other routes</td>
<td>(Impacted already by current pumping station)</td>
<td>Shoreline; Blocks low potential due to being lake</td>
</tr>
<tr>
<td></td>
<td>1850 - same as 1842</td>
<td>Infill noted south of wharf</td>
<td>Some changes to structures</td>
</tr>
<tr>
<td></td>
<td>1909-11 - low on pipe route in east half</td>
<td></td>
<td>West half not mapped</td>
</tr>
<tr>
<td></td>
<td>1923 - same as 1909</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Modern Infrastructure map - low for Alternate pipe route; low for pipe route in centre; high for pipe route in east end (unless disturbed by extant sewer); high at base of slope in SE corner</td>
<td>Extant services, including oil pipeline, from Parks Canada PS to Guise St, and on east side</td>
<td>19th C structure possibly on pipe route in east end</td>
</tr>
</tbody>
</table>
### Location

<table>
<thead>
<tr>
<th>Potential</th>
<th>Disturbances</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Majority of pier (NW) is low due to being lake; South edge, top of slope - Low for both Aboriginal &amp; 19th C due to modern disturbances; <strong>base of slope - High potential for both Aboriginal &amp; 19th C unless heavily disturbed</strong>; East edge - <strong>High to Low (high near 19th C structures)</strong></td>
<td>Cut/fill, services &amp; oil pipeline along/ across top of slope at south edge; Current services straddle east &amp; west sides of mid-19th C pier</td>
<td>Potential for impact to mid-19th C structures on east half of proposed pipe route; Aboriginal &amp; 19th C potential on Navy League lawn at base of slope</td>
</tr>
</tbody>
</table>

### Proposed Forcemain Route, Catharine St. N., Brock St., Eastwood Park, Ferguson Ave.

<table>
<thead>
<tr>
<th>Location</th>
<th>Potential</th>
<th>Disturbances</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Catharine St, from Manhole 2 to Brock St</td>
<td>1842 - high</td>
<td>3 structure &amp; shoreline; Catharine St not extant full length</td>
<td></td>
</tr>
<tr>
<td>1850 - low in ROW</td>
<td>Infilled since 1842</td>
<td>More structures NE of extant Catharine &amp; Brock (now in park)</td>
<td></td>
</tr>
<tr>
<td>1909-11 - low in ROW</td>
<td>Water lines/hydrant</td>
<td>Structures no longer extant in NE corner on 1911 Fire Insurance, though present on 1909 topo; East of Catharine &amp; north of Guise not mapped</td>
<td></td>
</tr>
<tr>
<td>1923 - low in ROW</td>
<td>Infilling of land NW of Guise Street</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Modern Infrastructure map - low in ROW</td>
<td>Multiple services in ROW</td>
<td>Possibility of deeply buried mid-19th C structure</td>
<td></td>
</tr>
<tr>
<td>Low in ROW - Aboriginal <strong>Variable in ROW - 19th C</strong> High near potential structures</td>
<td>Services in ROW</td>
<td>North end of street is likely infill but may have mid-19th C structures; Catharine St is now a bike path by park</td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>Potential</td>
<td>Disturbances</td>
<td>Comments</td>
</tr>
<tr>
<td>----------</td>
<td>-----------</td>
<td>--------------</td>
<td>----------</td>
</tr>
<tr>
<td>Brock St, from Catharine St to Mary St</td>
<td>1842 - variable</td>
<td>Bottom land</td>
<td>Possible high ground in NE of Brock &amp; Mary</td>
</tr>
<tr>
<td></td>
<td>1850 - low</td>
<td>Infilled since 1842</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1909-11 - low in ROW</td>
<td>Water lines/hydrant</td>
<td>see Catharine St note</td>
</tr>
<tr>
<td></td>
<td>Modern Infrastructure map - low in ROW</td>
<td>Multiple services in ROW</td>
<td></td>
</tr>
<tr>
<td>Visual Survey Results &amp; Final Potential</td>
<td><strong>Variable in ROW - Aboriginal &amp; 19th C; Low except for N of sidewalk on Brock at Mary (high potential unless heavily disturbed)</strong></td>
<td>Infilled &amp; services</td>
<td>Terrain banked up to park on north</td>
</tr>
<tr>
<td>Eastwood Park</td>
<td>1842 - High to low</td>
<td>East half is lake</td>
<td>Brewery on west half; shoreline</td>
</tr>
<tr>
<td></td>
<td>1850 - variable</td>
<td>East half is lake</td>
<td>Structures (Brewery) on west half</td>
</tr>
<tr>
<td></td>
<td>1909-11 - variable</td>
<td>NW half appears completely infilled</td>
<td>Shoreline present crossing park; no structures indicated in park</td>
</tr>
<tr>
<td></td>
<td>1923 - low</td>
<td>Massive infilling of NE half of park</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Modern Infrastructure map - low along east edge of park</td>
<td>Sewer on east edge parallel to Ferguson</td>
<td>CSO tank in NE corner of park</td>
</tr>
</tbody>
</table>
| Visual Survey Results & Final Potential | **High - west half - 19th C & Aboriginal**  
**Low - east half** | Infilling of lake on east half | West half - former shoreline & mid-19th C Brewery; currently path with pavilion & playground to north & ball diamond to south; potentially deep fill |
<p>| Ferguson Ave, from Eastwood Park to Burlington St E | 1842 - low to high | Bottom land in south | Shoreline &amp; lake |</p>
<table>
<thead>
<tr>
<th>Location</th>
<th>Potential</th>
<th>Disturbances</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1850 - low, except for south end</td>
<td>Mostly lake; mapping differences since 1842</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1909-11 - same as 1850</td>
<td>Not shown on fire insurance map</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1923 - low, except from south end</td>
<td>Massive infilling of N half of street &amp; to east</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Modern Infrastructure map - low in ROW</td>
<td>Sewer &amp; water main</td>
<td></td>
</tr>
<tr>
<td>Visual Survey Results &amp; Final Potential</td>
<td>Low in ROW - Aboriginal &amp; 19th C</td>
<td>Infill &amp; services</td>
<td>Water main on east edge of road</td>
</tr>
</tbody>
</table>

**Alternate Forcemain Route, Brock St, Mary St & Burlington St E**

<table>
<thead>
<tr>
<th>Location</th>
<th>Potential</th>
<th>Disturbances</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hughson St N, from Guise St E to Brock St</td>
<td>1842 - low to high</td>
<td>Bottom land</td>
<td>N edge may be top of slope</td>
</tr>
<tr>
<td></td>
<td>1850 - low in ROW</td>
<td>Infilled since 1842</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1909-11 - low in ROW</td>
<td>Water lines/hydrant</td>
<td>Structures on N edge of Guise</td>
</tr>
<tr>
<td></td>
<td>Modern Infrastructure map - low in ROW</td>
<td>Sewer &amp; watermain</td>
<td></td>
</tr>
<tr>
<td>Visual Survey Results &amp; Final Potential</td>
<td>Low in ROW - Aboriginal &amp; 19th C</td>
<td>Modern services</td>
<td></td>
</tr>
<tr>
<td>Brock St, from Hughson St N to Mary St</td>
<td>1842 - mostly low, except NE corner of Brock &amp; Mary</td>
<td>Bottom land</td>
<td>NE corner of Brock &amp; Mary may be top of slope</td>
</tr>
<tr>
<td></td>
<td>1850 - low in ROW</td>
<td>Partly infilled since 1842</td>
<td>Streets &amp; lots constructed</td>
</tr>
<tr>
<td></td>
<td>1909-11 - low in ROW</td>
<td>Water lines/hydrant</td>
<td>Structures both sides</td>
</tr>
<tr>
<td></td>
<td>Modern Infrastructure map - low in ROW by extant services</td>
<td>Sewer in west, watermain &amp; sewer in east</td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>Potential</td>
<td>Disturbances</td>
<td>Comments</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------------------</td>
<td>------------------------------------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Visual Survey Results &amp; Final Potential</td>
<td>Variable in ROW - Aboriginal &amp; 19th C; Low except for N of sidewalk on Brock at Mary (high potential unless heavily disturbed)</td>
<td>Infilling; services in ROW; paved/gravel driveways/yards;</td>
<td>Rolling terrain reflects infilling; underground parking on NE corner of Brock &amp; John; probable grading N of Brock at Mary (current park)</td>
</tr>
<tr>
<td>Mary St, from Brock St to Burlington St E</td>
<td>1842 - mostly low, except for plateau</td>
<td>Mostly Bottom land</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1850 - low in ROW</td>
<td>North inlet infilled</td>
<td>House lots on west side</td>
</tr>
<tr>
<td></td>
<td>1909-11 - low in ROW</td>
<td>Water lines/hydrant</td>
<td>No structures on east; structures on west by 1911</td>
</tr>
<tr>
<td></td>
<td>Modern Infrastructure map - low in ROW</td>
<td>Water main &amp; sewer</td>
<td></td>
</tr>
<tr>
<td>Visual Survey Results &amp; Final Potential</td>
<td>Variable in ROW - Aboriginal &amp; 19th C; Low apart from east side where potentially High in park</td>
<td>Services &amp; grading</td>
<td>Arena on east central with parking to south; path directly off Brock St; lawn elsewhere</td>
</tr>
<tr>
<td>Burlington St E, from Mary St to Ferguson Ave</td>
<td>1842 - mostly low except for possibly east half, north side</td>
<td>Mostly Bottom land</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1850 - variable</td>
<td>May have some high ground on east half</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1909-11 - low in ROW</td>
<td>Probably infilled; Water lines/hydrant</td>
<td>Structures on south of ROW only</td>
</tr>
<tr>
<td></td>
<td>Modern Infrastructure map - low in ROW</td>
<td>Multiple services in street</td>
<td></td>
</tr>
<tr>
<td>Visual Survey Results &amp; Final Potential</td>
<td>Low in ROW - Aboriginal &amp; 19th C; High on east side just N of ROW</td>
<td>Infilled with services in ROW</td>
<td>Possibly natural high ground (or little fill) north edge of Burlington St, east half</td>
</tr>
</tbody>
</table>

Therefore, there are only a few areas within the Study Area and the proposed forcemain routes that may still retain archaeological potential. The City of Hamilton’s AMP indicated that most of the lands that contain the
Study Area and forcemain routes have high potential based on proximity to water (ie. Burlington Bay), and historic settlement roads. However, FAC having conducted a detailed Background study has shown that very little of the pipeline routes in the Study Area and proposed routes beyond the piers retain any archaeological potential.

4.0 FINAL RECOMMENDATIONS

The Hamilton Harbour area has a rich history, both from Aboriginal and later cultures. There has been habitation and settlement in the area adjacent to the Bay, first by Aboriginal groups (for millennia), and then by settlers as early as the late 1700s. Those areas that have not been extensively disturbed should retain high archaeological potential, as the routes mostly pass through areas that have adjacent to early transportation routes, and are within 300 metres to a water source. Based on the archaeological Stage 1: Background Study, FAC makes the following recommendations for the Hamilton Harbour Piers 5 to 8 routes, Pumping Station and Forcemain(s):

1) That the locations within the Study Area and forcemain routes deemed to be of high archaeological potential (Figure 13) require further archaeological work. This may take the form of either shovel testing where possible in Eastwood Park, or by backhoe testing if the fills are extensive. The Pier 8 and Catharine Street areas would require monitoring during construction.

2) That the locations within the Study Area deemed to be of low archaeological potential along the proposed pipeline routes (Figure 13) require no further archaeological work.

5.0 ADVICE ON COMPLIANCE WITH LEGISLATION

1) This report is submitted to the Minister of Culture as a condition of licensing in accordance with Part VI of the Ontario Heritage Act, R.S.O. 1990, c0.18. The report is reviewed to ensure that it complies with the standards and guidelines that are issued by the Minister, and that the archaeological fieldwork and report recommendations ensure the conservation, protection and preservation of the cultural heritage of Ontario. When all matters relating to archaeological sites within the project area of a development proposal have been addressed to the satisfaction of the Ministry of Tourism, Culture and Sport, a letter will be issued by the minister stating that there are no further concerns with regard to alterations to archaeological sites by the proposed development.

2) It is an offence under Sections 48 and 69 of the Ontario Heritage Act for any party other than a licensed archaeologist to make any alteration to a known archaeological site or to remove any artifact or other physical evidence of past human use or activity from the site, until such time as a licensed archaeologist has complete archaeological fieldwork on the site, submitted a report to the Minister stating that the site has no further cultural heritage value or interest, and the report has been filed in the Ontario Public Register of Archaeology Reports referred to in Section 65.1 of the Ontario Heritage
3) Should previously undocumented archaeological resources be discovered, they may be a new archaeological site and therefore subject to Section 48(1) of the *Ontario Heritage Act*. The proponent or person discovering the archaeological resources must cease alteration of the site immediately and engage a licensed consultant archaeologist to carry out archaeological fieldwork, in compliance with sec. 48(1) of the *Ontario Heritage Act*.

REFERENCES

Archaeological Services Incorporated (ASI)
2009  *Stage 1 Archaeological Assessment Rapid Transit Initiative, City of Hamilton, Ontario.*

Archive.org
2013  Early Ontario Glass.
http://archive.org/stream/earlyontarioglas00stev/earlyontarioglas00stev_djvu.txt
Viewed 29/10/2013.

Brookes, Ivan S.
2013  *Hamilton Harbour, 1826-1901*  

Canadian Government
2013  “A History of the City of Hamilton”
http://epe.lac-bac.gc.ca/100/200/301/ic/can_digital_collections/cultural_landmarks/hamhist.htm

Chapman, L.J. and D.F. Putnam

CRM Group, FAC, HHI & Dillon Consulting Limited
2002  *The City of Windsor. Archaeological Master Plan Study Report for the City of Windsor.*

Eley, B. and P. von Bitter

Ellis, Christopher J. and D.B. Deller

Fisher Archaeological Consulting

Hamilton, City of
2012  *City of Hamilton. Archaeological Management Plan. AMPDraftpolicies.pdf:*
Hamilton Public Library

Heagey, Audrey E. (ed.)
1993  *Hamilton-Wentworth Natural Areas Inventory, Volume II: Site Summaries*. Hamilton Naturalists’ Club.


Kor, PSG

Macdonald, G.M.

Ontario Plaques
2013  Burlington Glass Works 1874. Viewed 29/10/2013
http://www.ontarioplaques.com/Plaques/Plaque_Hamilton15.html

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                    Emma Gordon

Background
Research:          Emma Gordon

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                    Jacqueline Fisher
                    Ruth Macdougall

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                    Jacqueline Fisher
                    Ruth Macdougall

Report Editor:     Jacqueline Fisher P042

NPD TABLE FOR THE WEST HARBOUR PIERS 5 TO 8,
PUMPING STATION AND FORCEMAIN(S), ENVIRONMENTAL ASSESSMENT,
CITY OF HAMILTON, ONTARIO - STAGE 1: BACKGROUND RESEARCH

| Permission was obtained to enter the property described in the above report | n/a |
| The licensee had permission to remove any archaeological objects recovered during the scope of the above named project | n/a |
| The archaeological record will be curated at FAC’s facilities | |

<table>
<thead>
<tr>
<th>Property Inspection Dates</th>
<th>Weather</th>
<th>Ground Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 22nd, 2013</td>
<td>Sunny to partial cloud cover, very windy</td>
<td>n/a</td>
</tr>
</tbody>
</table>
Fisher Archaeological Consulting

HAMILTON WEST HARBOUR – PIERS 5 TO 8, PUMPING STATION & FORCEMAIN(S)

Figure 1: Study Area Location and Topography
Figure 2: Aerial View of Study Area

Study Area: Piers 5 to 8
Study Area: Proposed Force Main Routes
HAMILTON WEST HARBOUR – PIERS 5 TO 8, PUMPING STATION & FORCEMAIN(S)

Figure 3: Conceptual Sanitary Sewer Plan
Figure 4a: Plan of the Town of Hamilton, District of Gore, Canada 1842

HAMILTON WEST HARBOUR – PIERS 5 TO 8, PUMPING STATION & FORCEMAIN(S)

Approximate Study Area Location
Figure 4b: Close Up of the Plan of the Town of Hamilton, District of Gore, Canada 1842

HAMILTON WEST HARBOUR – PIERS 5 TO 8, PUMPING STATION & FORCEMAIN(S)

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Historic Structures Potentially in Study Area
Approximate Study Area Location
Approximate Study Area Location

Figure 5: Marcus Smith Map of Hamilton, 1850

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HAMILTON WEST HARBOUR – PIERS 5 TO 8, PUMPING STATION & FORCEMAIN(S)
Figure 6: Illustrated Historical Atlas of Wentworth County, 1875

HAMILTON WEST HARBOUR – PIERS 5 TO 8, PUMPING STATION & FORCEMAIN(S)

Approximate Study Area Location
Scale

0 250M

Fisher Archaeological Consulting
Figure 7a: 1909 NTS Map

Study Area: Piers 5 to 8
Study Area: Proposed Force Main Routes

Figure 7b: 1923 NTS Map
Figure 8a: 1938 NTS Map

- Study Area: Piers 5 to 8
- Study Area: Proposed Force Main Routes

Figure 8b: 1968 NTS Map

- Seaplane Anchorage
- Royal Hamilton Yacht Club
Figure 9a: Fire Insurance Map, 1898 for Part of Study Area

Fisher Archaeological Consulting

HAMILTON WEST HARBOUR – PIERS 5 TO 8, PUMPING STATION & FORCEMAIN(S)

Figure 9a: Fire Insurance Map, 1898 for Part of Study Area
Approximate Study Area Location, Piers 5 to 8

Approximate Study Area Location, Proposed and Alternate Force Main Routes

HAMILTON WEST HARBOUR – PIERS 5 TO 8, PUMPING STATION & FORCEMAIN(S)

Figure 9b: Fire Insurance Map, 1911 of the Study Area
Fisher Archaeological Consulting

Approximate Study Area Location, Piers 5 to 8
Approximate Study Area Location, Proposed and Alternate Force Main Routes

HAMILTON WEST HARBOUR – PIERS 5 TO 8, PUMPING STATION & FORCEMAIN(S)

Figure 10a : 1947 Fire Insurance Plan
Approximate Study Area Location, Piers 5 to 8

Approximate Study Area Location, Proposed and Alternate Force Main Routes

Figure 10b: 1964 Fire Insurance Plan
HAMILTON WEST HARBOUR – PIERS 5 TO 8,
PUMPING STATION & FORCENMAIN(S)

Figure 11: Historic Shorelines and Infilling
Figure 12: Hamilton Harbour Infilling Episodes

HAMILTON WEST HARBOUR – PIERS 5 TO 8, PUMPING STATION & FORCEMAIN(S)

Figure 12: Hamilton Harbour Infilling Episodes

Map from Steel City, Ed Dear et al., 1987, figure 2.7

Key to Study Area overlaid on Infill Map:

- **Study Area: Piers 5 to 8**
- **Study Area: Proposed Force Main Routes**
Figure 13: Archaeological High Potential for Proposed Pipeline Routes

Key:
- Study Area: Piers 5 to 8
- Approximate Location of Proposed and Alternate Sanitary Sewer Routes within Piers
- Study Area: Proposed Force Main Routes
- Pumping Station
- High Potential for Archaeological Material *
- High Potential for Archaeological Material * outside of Current Road Footprint
- Shoreline, 1842
- Creeks, 1842
- Approximate location of Shoreline prior to Wharf Construction, 1842
- Historic Roads, 1842
- Historic Structures, from 1842
- Historic Structures, from 1850
- Location & direction of photographic plates

*Note: Only areas of High potential within the current proposed pipeline routes are indicated. The remainder of the routes are low potential.
Plate 1: Looking SE across the parking lot of the Royal Hamilton Yacht Club at Pier 5 towards the harbour slope.

Plate 2: Looking NE towards Pier 6 from Guise St at the north end of James St N.

Plate 3: Looking NNE at the west edge of Pier 8 (Discovery Dr) from Guise St. Note all the utilities in the graded lawn.

Plate 4: Looking NE at the intersection of Discovery Dr & Guise St.

Plate 5: Looking N along Catharine St from the intersection of Dock Service Rd.

Plate 6: View along Guise St showing the slope down to the infilled harbour lands; looking east.
Plate 7: Looking west along the proposed pipe route from the east side of Pier 8.

Plate 8: Looking SW towards the Navy League lawn & harbour slope, from the N end of Catharine St.

Plate 9: Looking NE from Pier 8 into Burlington Bay.

Plate 10: Looking W down Brock St from its intersection with John St.

Plate 11: Looking S on Mary Street, from the intersection with Brock St. The arena is present on the left.

Plate 12: Looking W at the north edge of Brock St at Mary St. Eastwood Park is visible.
Plate 13: Looking E along the proposed pipe route across Eastwood Park from Mary & Brock Streets.

Plate 14: Looking W across Eastwood Park in the location of the propose pipe route.

Plate 15: Looking across Ferguson Ave N, at its intersection with Burlington St, towards Eastwood Park; facing W.

Plate 16: Looking S on Ferguson Ave N by Eastwood Park.
Appendix A: Photograph Catalogue

Note: All photographs were taken 22\textsuperscript{nd} October, 2013.

<table>
<thead>
<tr>
<th>Photo #</th>
<th>Description</th>
<th>Direction</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>iPad Photographs</td>
<td></td>
</tr>
<tr>
<td></td>
<td>West Harbour, Hamilton, St1_22Oct 001 North side of Guise St at John St N intersection, showing Waterfront Trail and Brewers’ Marine Supply building with paved parking lot.</td>
<td>W</td>
</tr>
<tr>
<td>002</td>
<td>North side of Guise St, high pressure oil pipeline sign on fence of Brewers’ Marine Supply parking lot. Oil pipeline running below paved section which runs to edge of slope, between two fences.</td>
<td>N</td>
</tr>
<tr>
<td>003</td>
<td>North side of Guise St just east of intersection with John St N, showing manicured grass, and slope cut into for large container, possibly associated with oil line.</td>
<td>N</td>
</tr>
<tr>
<td>004</td>
<td>North side of Guise St just east of intersection with John St N, showing manicured grass, and mounding on slope edge</td>
<td>NW</td>
</tr>
<tr>
<td>005</td>
<td>North side of Guise St with intersection at Catharine St N in background, showing gravel patch on south side of Waterfront Trail and manicured grass on north side. The barrier for the large container is at top of cut slope.</td>
<td>E</td>
</tr>
<tr>
<td>006</td>
<td>From north side of Guise St looking towards south side of street, showing apartment buildings and stone wall at edge of property. In foreground is a pipe with a metal fence buffering it.</td>
<td>S</td>
</tr>
<tr>
<td>007</td>
<td>Waterfront Trail and manicured lawn on north side of Guise St, from the NW corner of Guise and Catharine streets. Shows slope down to east and treed area just north of Waterfront Trail.</td>
<td>W</td>
</tr>
<tr>
<td>008</td>
<td>From NW corner of Guise and Catharine streets, shows Catharine St N bending to east at Eastwood Park, and the kept grass and treed area on the slope.</td>
<td>SW</td>
</tr>
<tr>
<td>009</td>
<td>From SW corner of Guise St and Catharine St N intersection, showing Waterfront Trail, manicured lawns and structure at the end of Catharine St N, with paved roads.</td>
<td>NE</td>
</tr>
<tr>
<td>010</td>
<td>From the foot of Catharine St N where it bends east, showing trail and treed area along west edge of Eastwood Park, as well as the park’s landscaped and manicured lawn.</td>
<td>SW</td>
</tr>
<tr>
<td>011</td>
<td>Same as above, with more emphasis on park landscape and shows baseball diamond.</td>
<td>S</td>
</tr>
<tr>
<td>012</td>
<td>From same location as above, showing Catharine St N/Dock Service Rd and either side of the road, including the manicured park lawn.</td>
<td>SE</td>
</tr>
<tr>
<td>013</td>
<td>From south side of Catharine St N at bend, showing street with manicured grass on east side and ending at a large structure.</td>
<td>NE</td>
</tr>
<tr>
<td>Photo #</td>
<td>Description</td>
<td>Direction</td>
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<td>---------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>014</td>
<td>Same as above, except showing west side of Catharine St N and Guise St, with treed areas and kept grass on slope.</td>
<td>N</td>
</tr>
<tr>
<td>015</td>
<td>Showing SW corner of Guise and Catharine streets with kept grass and treed area on slope, and apartment buildings on that block in the background.</td>
<td>W</td>
</tr>
<tr>
<td>016</td>
<td>NW corner of Guise and Catharine streets with manicured lawns and buildings in the background.</td>
<td>N</td>
</tr>
<tr>
<td>017</td>
<td>Guise St showing Waterfront Trail, gravel roadside, and paved road sloping down to Catharine St N in background.</td>
<td>SE</td>
</tr>
<tr>
<td>018</td>
<td>From the foot of Catharine St N on Pier 8 looking down the street with paved parking and manicured boulevards.</td>
<td>SW</td>
</tr>
<tr>
<td>019</td>
<td>Same location as above, except showing gravel and paved sections of Pier 8, with buildings and pier use in background.</td>
<td>NW</td>
</tr>
<tr>
<td>020</td>
<td>Eastern side of Pier 8 showing Waterfront Trail, large structure at foot of Catharine St N, and boats docked on edge of pier.</td>
<td>NE</td>
</tr>
<tr>
<td>021</td>
<td>Same location at above, showing HMCS Haida vessel docked adjacent to Study Area.</td>
<td>S</td>
</tr>
<tr>
<td>022</td>
<td>From Waterfront Trail looking behind large structure at base of Catharine St N, on Pier 8. Shows another building and paved pier surface.</td>
<td>W</td>
</tr>
<tr>
<td>023</td>
<td>From the foot of Catharine St N on the Waterfront Trail showing manicured lawn and boulevards, treed area and apartments in background.</td>
<td>SW</td>
</tr>
<tr>
<td>024</td>
<td>Pier 8, from Discovery Dr looking towards location for proposed Pumping Station No. 1 with current structures and land uses adjacent to and surrounding area.</td>
<td>E</td>
</tr>
<tr>
<td>025</td>
<td>Same as above.</td>
<td>E</td>
</tr>
<tr>
<td>026</td>
<td>Pier 8's current use along north side of pier, from paved parking lot.</td>
<td>NE</td>
</tr>
<tr>
<td>027</td>
<td>Same as above.</td>
<td>N</td>
</tr>
<tr>
<td>028</td>
<td>From Discovery Dr looking toward Pier 7.</td>
<td>SW</td>
</tr>
<tr>
<td>029</td>
<td>Showing the intersection of Guise St and James St N, with piers 6 and 7 on north side and apartment buildings on south.</td>
<td>E</td>
</tr>
<tr>
<td>030</td>
<td>From same location as above, showing Guise St running west and Pier 6 on the north side and manicured lawns and paved driveway on south. South edge of Pier 6 cuts into slope and is currently used for boat storage.</td>
<td>W</td>
</tr>
<tr>
<td>031</td>
<td>Showing foot of James St N on north side of Guise St with altered slope and Pier 6 in background.</td>
<td>NE</td>
</tr>
<tr>
<td>032</td>
<td>Standing at foot of James St N on north side of Guise St showing Waterfront Trail and landscaped area with Pier 6 behind fence.</td>
<td>E</td>
</tr>
<tr>
<td>Photo #</td>
<td>Description</td>
<td>Direction</td>
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<td>---------</td>
<td>------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>033</td>
<td>Looking from south end of Pier 6 to waterfront, showing paved storage area and docks extending from paved section.</td>
<td>N</td>
</tr>
<tr>
<td>034</td>
<td>Looking down James St N with Waterfront Trail in foreground, Hamilton Port Authority building on right and showing general slope up to the south.</td>
<td>SW</td>
</tr>
<tr>
<td>035</td>
<td>From the foot of Macnab St N showing north side of Guise St with manicured grass gently sloping down to the south and Pier 6 cutting into the slope.</td>
<td>E</td>
</tr>
<tr>
<td>036</td>
<td>At the foot of Macnab St N where Guise St ends and Bay St N begins. Waterfront Trail continues along north side of Bay St N, with Pier 5 on the north as well. The slope down to the north can be seen with Pier 5 paved parking lot cutting into the slope and Bay St N ascending to the west and south.</td>
<td>W</td>
</tr>
<tr>
<td>037</td>
<td>From the SW end of Pier 5 showing the landscaped lawns and paved roads, sidewalk and parking lot. Leander Dr on right.</td>
<td>NE</td>
</tr>
<tr>
<td>038</td>
<td>Same location as above, showing landscaped lawns and sidewalk, with Leander Dr on left in background. Can note land sloping south.</td>
<td>SW</td>
</tr>
<tr>
<td>039</td>
<td>From same location as above, showing Leander Dr in foreground with slope (remnant from old shoreline) cut back and retained with a stone wall. Housing shown on top of slope.</td>
<td>SE</td>
</tr>
<tr>
<td>040</td>
<td>NW edge of Pier 5 showing Pier4 Park spit extending into water.</td>
<td>NW</td>
</tr>
<tr>
<td>041-043</td>
<td>Panning from west side of Pier 5, showing paved parking lot, sidewalk, and docks extending into the water.</td>
<td>E, NE, N</td>
</tr>
<tr>
<td>044</td>
<td>Cut slope and retaining wall along south side of paved parking lot of Pier 5.</td>
<td>SE</td>
</tr>
<tr>
<td>045</td>
<td>Showing western limit of Pier 5 with paved parking lot and building.</td>
<td>W</td>
</tr>
<tr>
<td>046-047</td>
<td>Western limit of Leander Dr at south end of Pier 5, with slope in background.</td>
<td>SE, S</td>
</tr>
<tr>
<td>048</td>
<td>Western limit of Pier 5, with landscaped and treed edging of paved parking lot, and Pier 4 Park in background.</td>
<td>NW</td>
</tr>
<tr>
<td>049</td>
<td>Paved parking lot and building located on western section of Pier 5.</td>
<td>N</td>
</tr>
<tr>
<td>050</td>
<td>Western limit of Pier 5, with landscaped and treed areas</td>
<td>S</td>
</tr>
</tbody>
</table>

**Fuji Camera Photographs**

West Harbour, Hamilton, St1_fuji_2 2Oct 001-002  

NE corner of Eastwood Park showing manicured lawn and young trees and soccer field, and the intersection of Ferguson Ave and Dock Service Rd. On west side of Ferguson Ave is a narrow paved section for parking.  

NW

003  
From same location as above, showing east side of Ferguson Ave with paved parking lots, overhead wires, and factories in background.  

NE

004  
From east edge of current park walking path, on the east side of Ferguson Ave, showing paved parking lot and large modern building.  

E
<table>
<thead>
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<th>Photo #</th>
<th>Description</th>
<th>Direction</th>
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</thead>
<tbody>
<tr>
<td>005</td>
<td>From approximately same location as above, showing Ferguson Ave with modern disturbances and more paved parking in Eastwood Park.</td>
<td>SE</td>
</tr>
<tr>
<td>006</td>
<td>From west side of Ferguson Ave looking west along current park pathway with landscaped and manicured fields, a park building at the end of the path, and apartment buildings in the background. The blue arena building is to the south of the path.</td>
<td>W</td>
</tr>
<tr>
<td>007</td>
<td>Looking across Eastwood Park from Ferguson Ave. Note path &amp; raised soccer pitch.</td>
<td>NW</td>
</tr>
<tr>
<td>008</td>
<td>same, focussing south of path along proposed pipe route.</td>
<td>W</td>
</tr>
<tr>
<td>009</td>
<td>same as above, but from west edge of parking lot</td>
<td>W</td>
</tr>
<tr>
<td>010</td>
<td>same, looking towards arena</td>
<td>SW</td>
</tr>
<tr>
<td>011</td>
<td>Eastwood Park, from centre of path towards arena</td>
<td>SW</td>
</tr>
<tr>
<td>012</td>
<td>same, from centre of path towards pavilion &amp; play structure</td>
<td>NW</td>
</tr>
<tr>
<td>013</td>
<td>Eastwood Park, along proposed path route from west side (Brock/Mary St)</td>
<td>E</td>
</tr>
<tr>
<td>014</td>
<td>N edge of Brock St at Mary St, also Eastwood Park</td>
<td>W</td>
</tr>
<tr>
<td>015</td>
<td>same</td>
<td>W</td>
</tr>
<tr>
<td>016</td>
<td>Eastwood Park &amp; arena on the east side of Mary St</td>
<td>S</td>
</tr>
<tr>
<td>017</td>
<td>same</td>
<td>SE</td>
</tr>
<tr>
<td>018</td>
<td>Brock St at intersection of Mary St</td>
<td>W</td>
</tr>
<tr>
<td>019</td>
<td>Mary St, at intersection of Brock St</td>
<td>S</td>
</tr>
<tr>
<td>020</td>
<td>Mary St from same</td>
<td>S</td>
</tr>
<tr>
<td>021</td>
<td>Mary St, from same, west side</td>
<td>S</td>
</tr>
<tr>
<td>022</td>
<td>Mary St from NW corner of arena</td>
<td>SW</td>
</tr>
<tr>
<td>023</td>
<td>Eastwood Park, arena parking at corner of Mary &amp; Burlington Streets</td>
<td>SE</td>
</tr>
<tr>
<td>024</td>
<td>same</td>
<td>ESE</td>
</tr>
<tr>
<td>025</td>
<td>Mary St from south of arena</td>
<td>NW</td>
</tr>
<tr>
<td>026 &amp; 27</td>
<td>same</td>
<td>NNW</td>
</tr>
<tr>
<td>028</td>
<td>Eastwood Park, south edge on Burlington St, from corner of Mary St</td>
<td>E</td>
</tr>
<tr>
<td>029</td>
<td>Burlington St, from corner of Mary St</td>
<td>SE</td>
</tr>
<tr>
<td>030</td>
<td>Eastwood Park, from corner of Mary &amp; Burlington Streets</td>
<td>E</td>
</tr>
<tr>
<td>031 &amp; 32</td>
<td>corner of Burlington &amp; Mary Streets, looking down Burlington</td>
<td>W</td>
</tr>
<tr>
<td>033</td>
<td>S side of Burlington St, approx halfway between Mary &amp; Ferguson</td>
<td>S</td>
</tr>
<tr>
<td>Photo #</td>
<td>Description</td>
<td>Direction</td>
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<tr>
<td>---------</td>
<td>----------------------------------------------------------------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>034 &amp; 35</td>
<td>East side of Eastwood Park, at Burlington &amp; Ferguson</td>
<td>S</td>
</tr>
<tr>
<td>036</td>
<td>same</td>
<td>W</td>
</tr>
<tr>
<td>037</td>
<td>intersection of Burlington &amp; Ferguson</td>
<td>ESE</td>
</tr>
<tr>
<td>038</td>
<td>Ferguson Ave from Burlington St</td>
<td>N</td>
</tr>
<tr>
<td>039 &amp; 40</td>
<td>Looking across Ferguson to Eastwood Park at Burlington St</td>
<td>W</td>
</tr>
<tr>
<td>041</td>
<td>Looking from NE to SW of intersection of Burlington &amp; Ferguson</td>
<td>SW</td>
</tr>
<tr>
<td>042 &amp; 43</td>
<td>former Catharine St ROW now path at edge of Eastwood Park, from Brock St</td>
<td>N</td>
</tr>
<tr>
<td>044</td>
<td>Looking down Brock St from John St; note modern townshouses &amp; disturbed ROW</td>
<td>W</td>
</tr>
<tr>
<td>045</td>
<td>same, other direction; underground parking on left</td>
<td>ESE</td>
</tr>
<tr>
<td>046</td>
<td>same as 044</td>
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</tr>
<tr>
<td>047</td>
<td>modern highrise &amp; underground highrise at NE corner of Brock &amp; John</td>
<td>NE</td>
</tr>
<tr>
<td>048</td>
<td>Brock St, between John &amp; Hughson</td>
<td>WNW</td>
</tr>
<tr>
<td>049</td>
<td>Looking up Brock St from intersection with Hughson</td>
<td>E</td>
</tr>
<tr>
<td>050</td>
<td>modern house &amp; landscaping at SE corner of Hughson &amp; Brock</td>
<td>SE</td>
</tr>
<tr>
<td>051</td>
<td>Hughson St, between Brock &amp; Guise</td>
<td>E</td>
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<tr>
<td>052</td>
<td>Guise St, from end of Hughson</td>
<td>ESE</td>
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<td>053</td>
<td>same</td>
<td>SW</td>
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<tr>
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<td>looking at utilities in graded lawn section at Discovery Drive &amp; Guise St</td>
<td>NE</td>
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<tr>
<td>055</td>
<td>intersection of Discovery Dr &amp; Guise St</td>
<td>E</td>
</tr>
<tr>
<td>056</td>
<td>same as 54</td>
<td>N</td>
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<tr>
<td>057</td>
<td>showing “slope” on Discovery Dr, by Guise St</td>
<td>E</td>
</tr>
<tr>
<td>058</td>
<td>private yacht club on Pier 7, just down from Guise on Discovery Dr</td>
<td>W</td>
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<tr>
<td>059</td>
<td>infilled wharfs on Pier 8 by Discovery Dr</td>
<td>N</td>
</tr>
<tr>
<td>060</td>
<td>looking up slope from Discovery Dr towards Guise St</td>
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APPENDIX C

Heritage Impact Assessment Report
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1.0 Introduction

MHBC was retained by the Hamilton Waterfront Trust to undertake a Heritage Impact Assessment (HIA), as part of the Class Environmental Assessment (EA) process for the proposed sewage pumping facilities for Piers 5-8, Hamilton harbour.

This undertaking has been completed by members of the MHBC Cultural Heritage Team. Wendy Shearer (CAHP), Senior Advisor for Cultural Heritage and Dan Currie, Partner with MHBC’s Kitchener office, oversaw the project and provided expertise on the analysis of cultural heritage resources and impacts resulting from the proposed works, and provided senior review of the final work and input regarding land use policy and planning. Lashia Jones (CAHP Intern), Cultural Heritage Specialist, coordinated fieldwork, undertook historical research and provided analysis of built heritage resources and potential impacts. Paul Lucier (CAHP) provided analysis of cultural heritage landscapes and potential impacts. Chrystal Chuter, Technician, prepared fieldwork and inventory forms, mapping, and assisted with fieldwork.

This report contains a description of the study area, historical overview of the study area’s development, a description of the built heritage and cultural landscape resources within or adjacent to the study area, a description of the proposed development, an analysis of any impacts of the proposed development on identified cultural heritage resources, and mitigation measures to avoid adverse impacts to any significant cultural heritage resources.

The study area of this HIA comprises land on Pier 8 in Hamilton Harbour, and a mixed use area to the south. The study area is bordered by the Hamilton Waterfront in the north, Burlington Street East in the south, MacNab Street North and the Royal Hamilton Yacht Club in the west, and Ferguson Avenue North in the east.

2.0 Approach and Methodology

This report is a technical report to be included with the Environmental Assessment Report prepared for the proposed West Harbour pumping station and forcemains, Piers 5-8 in Hamilton, Ontario. This HIA is
included in the EA Report process in order to identify known or potential built heritage resources or cultural heritage landscapes that comprise the existing cultural conditions of the study area, and which may potentially be impacted by the proposed pumping stations, sanitary sewer and forcemains.

The study area for this project was generally defined by the EA project evaluation criteria provided by Dillon Consulting. This criteria identified that Cultural/Heritage resources within 200 metres of the proposed works should be assessed. City of Hamilton Staff suggested that cultural heritage resources within 100 metres of the proposed works be assessed. A study area, containing the proposed works was identified with the following boundaries: Burlington Street East, MacNab Street North, the waterfront, and Ferguson Avenue. For the purposes of this report, the study area was terminated at these streets in order to provide a defined boundary. The City of Hamilton Heritage Planning department were consulted to identify listed or designated properties within this study area (See Figure 1).

Cultural landscape inventories were carried out for the routes of the proposed works. Fieldwork undertaken for the area also identified general cultural landscape characteristics, or the context, that existed within the wider study area.

In order to determine whether an HIA should be completed, the project team completed the Ministry of Tourism and Culture (now the Ministry of Tourism, Culture and Sport) Screening for Impacts to Built Heritage and Cultural Heritage Landscapes (Contained in Appendix A). Two sets of these forms were completed. On form 1, the subject property is defined as the municipal right of way or proposed location of forcemain, sanitary sewer and pumping stations. On form 2, the subject property was defined as properties adjacent to the proposed forcemain, sanitary sewer and pumping stations.

Above ground cultural heritage resources over 40 years old were included in this assessment. The 40 year threshold is an indicator of potential cultural heritage value identified in the Ministry of Tourism and Culture (Now Ministry of Tourism Culture and Sport) Check Sheet.
In this report, the term ‘cultural heritage resources’ includes built heritage resources (including various individual structure types) and cultural landscape resources (including collections of structures, streetscape, landscape and open space elements that combined, form an area modified by human activity). These descriptions are derived from an understanding of the Standards and Guidelines for the Conservation of Historic Places in Canada, the Guideline for Preparing the Cultural Heritage Resource Component of Environmental Assessments and the provincial Policies Statement.

This study is guided by various planning legislation, summarized as follows.

**The Environmental Assessment Act**

The purpose of the *Environmental Assessment Act* is defined as “the betterment of the people of the whole or in part of Ontario by providing for the protection, conservation and wise management in Ontario of the environment” (underline added for emphasis). The Act stipulates that the environment is defined to include:

*(c) the social, economic and cultural conditions that influence the life of humans or a community,*

*(d) any building, structure, machine or other device or thing made by humans.*

As such, this Heritage Impact Assessment is concerned with impacts of the proposed undertaking on the cultural conditions of the study area, containing the buildings and landscapes made by humans.

The Ontario Ministry of Tourism Culture and Sport has published two documents containing guidelines on heritage resources and Environmental Assessments: the 1981 *Guidelines on the Man-Made Heritage Component of Environmental Assessments* and the 1992 *Guideline for Preparing the Cultural Heritage Resource Component of Environmental Assessments*. These two documents have guided the analysis and conclusions of this study. The federal *Standards and*
Guidelines for the Conservation of Historic Places in Canada also guided the completion of this study, particularly documentation and analysis of the cultural landscape components of the study area.

Other Resources

The Planning Act

The Planning Act makes a number of provisions respecting cultural heritage in Section 2 and Section 3. In Section 2 The Planning Act outlines 18 spheres of provincial interest, that must be considered by appropriate authorities in the planning process. One of the intentions of The Planning Act is to “encourage the co-operation and co-ordination among the various interests. Subsection 2(d) of the Act provides that:

The Minister, the council of a municipality, a local board, a planning board and the Municipal Board, in carrying out their responsibilities under this Act, shall have regard to, among other matters, matters of provincial interest such as, ...

(d) the conservation of features of significant architectural, cultural, historical, archaeological or scientific interest;

In support of the provincial interest identified in Subsection 2 (d) of the Planning Act, and as provided for in Section 3, the Province has refined policy guidance for land use planning and development matters in the Provincial Policy Statement, 2005 (PPS). The PPS is “intended to be read in its entirety and the relevant policy areas are to be applied in each situation”. This provides a weighting and balancing of issues within the planning process. When addressing cultural heritage planning, the PPS provides for the following:

2.6 Cultural Heritage and Archaeology

2.6.1 Significant built heritage resources and significant cultural landscapes shall be conserved.

2.6.3 Development and site alteration may be permitted on adjacent lands to protected heritage property where the proposed development and site alteration has been evaluated and it has been
demonstrated that the heritage attributes of the protected heritage property will be conserved.

Mitigative measures and/or alternative development approaches may be required in order to conserve the heritage attributes of the protected heritage property affected by the adjacent development or site alteration.

The Ontario Heritage Act

Regulation 9/06 of the Ontario Heritage Act outlines criteria by which properties are to be evaluated to determine their heritage significance. Properties may be significant because of their design or physical value, historical or associative value, or contextual value. A number of sub-criteria are established for each category. Only one sub-criterion needs to be met for a property to be considered for designation under Part IV of the Ontario Heritage Act. Built and cultural landscape resources were considered with regards to this criteria to determine whether they had potential cultural heritage value or interest.

3.0 Description of study area

3.1 Location

The study area is located at Piers 5-8 along the Hamilton Waterfront, and in the mixed use/residential neighbourhood immediately to the south. The proposed works are located north of Burlington Street East, between MacNab Street North and Ferguson Avenue North. The study area is located approximately 3 kilometres from downtown Hamilton, in an area referred to as the North End.
Properties Listed on Inventory:

1. 2 Brock Street
2. 4 Brock Street
3. 6 Brock Street
4. 8 Brock Street
5. 28-30 Guise Street
6. 605 James Street North (Hamilton Harbour Commission)
7. 526 Hughson Street North
8. 528 Hughson Street North
9. 530 Hughson Street North
10. 532 Hughson Street North
11. 536 Hughson Street North
12. 545 Hughson Street North
13. 564 Hughson Street North
14. 548 John Street North
15. 562 Catherine Street North
16. 572 Catherine Street North
17. 576 Catherine Street North
18. 578 Catherine Street North
19. 590 Catherine Street North (Canadian Forces Reserves Base)
20. Boat Maintenance Building
21. Marine Police Garage
22. Hamilton Port Authority Maintenance Shop and Office
23. Royal Hamilton Yacht Club Junior Sailing
25. Hamilton Port Authority Varnish Shed

Non-listed Properties of Potential Cultural Heritage Value

Source: Aerial, 2012
Conceptual Sanitary Sewer Design, Pier 5-8 Development Plan, Dillon Consulting, June 2013
3.2 Physiographic context

The study area is located within the Physiographic Region identified as the Iroquois Plain (Chapman and Putnam, 1984). The Iroquois Plain is a large lowland area bordering Lake Ontario, formed when the last glacier was receding, but still present, in the St. Lawrence Valley. The glacier held a body of water known as Lake Iroquois, which emptied in New York State. The Iroquois Plain that includes the study area is part of the lake bottom of Lake Iroquois, and the terrain has been smoothed by waves or deposits, in comparison to areas that were the former shorelines.

The Ontario Lakehead portion of the Plain, where the study area is located, was initially cut off from the rest of Lake Ontario by a sand
strip. However, land along the shorelines in many places provided elevates, dry locations ideal for the development of urban areas (Chapman and Putnam 191, 1984).

4.0 **Historical overview**

4.1 Hamilton Settlement

Locations near lakes or watercourses typically have high potential for archaeological resources, as these types of locations were often used by aboriginal groups as hunting grounds, encampments or transportation routes. This report focuses on the built and cultural landscape resources of the era beginning with and following the arrival of Euro Canadian settlers. A background study prepared by an Archaeological team has been prepared as part of the EA process, and was consulted during the completion of this report. The Archaeological team’s report provides background on the potential historical use of the land by aboriginal groups, and comments on the potential for archaeological resources. The report concludes that archaeological potential for the study area is generally low, due to the disturbance over nearly two centuries of activity that has transformed the harbour area. A letter from Parks Canada to the City of Hamilton Planning Staff makes mention of an aboriginal burial mound possibly located at the foot of MacNab Street in the 1830s (Graham, 1992). This feature would have been removed or disturbed in constructing wharves at the waterfront. No other historical references to this feature were found.

The study area is located in the North End of the City of Hamilton. What is now the City of Hamilton was part of Barton Township, in Lincoln County. Surveys of Lincoln County began in the late 1780s, and Barton Township was surveyed in 1791. James Durand acquired land in what is now Hamilton between 1805 and 1809 (including some land from Nathaniel Hughson). Durand held Lot 14, Concession 3 and Lot 14 Concession 2 in Barton Township. Durand and Hughson promoted the site as a potential location for a courthouse, should a new district be formed. In 1815, Durand sold his portion of the land to George Hamilton. In 1816, administrative districts in the area changed with the creation of the Gore District (including parts of the former Home and Niagara Districts). As part of this administrative change, two new
counties (Halton and Wentworth) were created. Wentworth County included Ancaster, Barton, Beverly, Binbrook, Flamborough, Glanford and Saltfleet Townships (Weaver, 1982).

In between 1815-1820, George Hamilton had the 104 acres of land he purchased from Durand surveyed and laid out as a town site. The town became the head of the recently created Gore District. The town site was located south of the historic waterfront, between the shore and the escarpment (Weaver, 1982).

A number of early settlers to the Hamilton area were United Empire Loyalists, arriving in Upper Canada, seeking respite from the American Revolution. Early use of the waterfront was limited to mill sites and lakeshore wharves that were operated by local settlers. The original site of the Burlington Bay area north of the townsite was shallow and only accessible by canoes (Freeman 30. 2001). Landowners and prospective businessmen and industrialists petitioned for harbour improvements (Weaver 17, 1982). In 1823, the legislature passed an act to allow a navigable channel to be cut through the beach strip, to connect Burlington Bay to Lake Ontario. The canal was completed in 1832, and drew a number of workers to what is now the North End of Hamilton during its construction, along with storehouses, barns and boathouses. With the completion of the canal, a large steamboat wharf was constructed at the foot of James Street (within the study area), and additional smaller wharves were located along the shoreline. Access to the lake soon brought steam ships and lake schooners from other ports, facilitating export and import and increased settlement, industry and development in the North End of Hamilton and the wider area (Freeman 30-31, 2001). Hamilton was incorporated as a town in 1833, and as a city in 1846 (Weaver and Cruikshank).

A number of the roads within the study area are part of a historical transportation pattern for the area that was laid out as early as the 1830s, including Burlington Street, Brock Street, Guise Street, James Street, Hughson Street, John Street, Catharine Street and Mary Street.

Hughson Street was named for Nathaniel Hughson, a United Empire Loyalist who received a Crown grant in what is now downtown Hamilton in 1792. Hughson and his wife Rebecca Land’s property was
located between the present-day Main Street, the harbour, James Street and Mary Street. In the mid 1830s, Nathaniel began subdividing his large property, naming streets after his family members, including several streets in the study area: James, Catharine, and Hughson (Houghton 56, 2002). The layout of James street had previously existed, and was named Jarvis Street by George Hamilton, after his wife, Maria Lavinia Jarvis (Houghton 61, 2002).

John Street is one of the oldest streets in the City of Hamilton. It was formed from one of the aboriginal trails that led through the area, possibly pre-dating Euro-Canadian Settlement. The early settlers of the area also used the route, and in 1837 George Hamilton named the route John Street, reportedly in honour of a family of early settlers (Houghton 62, 2002).

Ferguson Avenue was named for the Ferguson family, who were early settlers in the Hamilton area. Peter and Mary Ferguson received a Crown Grant in 1802 in Barton Township, of land now bordered by Wellington Street, Main Street, Mary Street and the Harbour. The former streets of Cherry, Nelson and Henry Street were later named to honour the Fergusons (Houghton 36, 2002). In the 19th century, Ferguson Avenue terminated at Burlington Street. By the 1970s, Ferguson Avenue was extended northward, cutting through the eastern edge of Eastwood Park.

4.2 Development of the Study area

Development of the harbour and the surrounding study area increased steadily since the 1830s. Mapping shows the 1836 layout of the shoreline and the newly constructed MacNab’s Wharf, Gunn’s Wharf, and Hughson’s Wharf (Plate 2). The street grid layout had been established by this time to include James Street, Hughson Street, John Street, Catharine Street, Mary Street, Brock Street (which became East Bay Street east of Hughson Street), Burlington Street (which became Base Street east of James Street), and Guy Street (now Guise Street). Lots south of Brock Street (East Bay Street) appear to have been subdivided into smaller lots. An 1842 map of Hamilton shows the study area with numerous creeks or streams (which have since been filled in), spreading through the street grid. At this time, there are only a handful
of structures located within the study area. This map does not show subdivision of the lots, or even streets such as Brock or Guise. A small number of scattered buildings are located along Burlington Street or at the Wharves.

Plate 2: Excerpt from map showing 1836 configuration of study area. Source: Hamilton Public Library.

By 1846, the majority of the blocks in the study area contained subdivided lots. At this time, McNab’s Wharf remained, but Gunn’s Wharf was now Land and Ruth’s Wharf, and Hughson’s Wharf was called W.E. Browne’s Wharf. An Additional wharf, located at the foot of John and Catharine Streets, was labeled “Warren’s occupied by Browne”. Each of the wharves had a storehouse. While the streets were subdivided with smaller lots by this time, it is not known how many contained structures (Plate 3).

There is a gap in available mapping until 1875, when the Illustrated Atlas for Wentworth County was published. The atlas shows substantial changes to the shoreline, particularly west of the subject property. By this time, the shoreline west of Catharine Street has been almost entirely modified by human activity. East of Catharine Street two
streams are shown. One crosses the area now known as Eastwood Park. The block of land between James Street and MacNab Street, south of Burlington Street, has not yet been subdivided (Plate 4).

Plate 3: Excerpt of 1846 mapping showing layout and subdivision of study area. Source: Hamilton Public Library.

Plate 4: Excerpt of 1875 mapping from the Illustrated Historical Atlas of the County of Wentworth, showing study area.
A bird’s eye view illustration in 1876 shows a number of structures built within the study area, including small cottages and row houses or boarding house type structures in the residential portion of the study area, and a number of large warehouse type buildings. The map shows Mary Street trailing off before meeting Burlington Street, and the area that now contains Eastwood Park, the HMSC Star reserves base, and Ferguson Street is vacant, open land (Plate 5).

Plate 5: Excerpt of 1876 Bird’s Eye View drawing of the study area. Source: Hamilton Public Library.

In 1886, the City of Hamilton purchased lots owned by the Fergusons and Pattersons to construct a new wharf. The wharf was never constructed, and the North End did not have any parkland, so the City transferred the land to the Parks Board.

An 1893 bird’s eye view map shows increased development in a more regular pattern within the residential areas. Large warehouse or industrial buildings are still shown, along with a number of sail and steam boats. Descriptions at the base of the map list the Hamilton Steamboat Co. at the foot of Hughson Street and McKay’s Wharf at the foot of James Street. A streetcar line is shown along James Street turning east onto Brock Street, likely the Hamilton Street Railway, which was extended down James Street to McKay’s Wharf in 1878 (Hamilton...
The land in the east of the study area is still open space (Plate 6).

Plate 6: Excerpt from 1893 Bird’s Eye View drawing of the study area (looking south). Source: Hamilton Public Library.

A 1909 bird’s eye view map shows continued development in the study area. This map shows the Steamboat Co. building at the foot of Hughson, and trolley cars along Brock and Guise Streets. The previously open space area now shows an ornate park design, with curving pathways, trees and fountains. It is not known whether the park was actually built to this type of design, or whether this was an artistic interpretation (Plate 7). The park was opened in 1908, and named Eastwood Park in 1911, in honour of John Morrison Eastwood, who was the co-founder and vice president of the Hamilton Playgrounds Association, editor of the Hamilton Daily Times, and Alderman (Hamilton Public Library).
Maps produced by the Hamilton Harbour Canadian Hydrographic Service between the 1920s and 1970s primarily focus on the depths of the water, but also show the evolution of the harbourfront shoreline, street grid and buildings at the Piers. In 1926, the Harbour Commissioner’s Dock is located at the foot of Catharine Street. A chimney from what was listed on previous maps at the Steamboat Co. is also labeled at the foot of Hughson Street. The Canadian Steamship lines are listed at the foot of James Street. A large structure is depicted at the foot of Catharine Street. On this map, what are now Guise and Burlington Streets terminate at James Street, and do not connect further westward (Plate 8). At this time, Eastwood Park contained a playground, baseball diamond, swings, wading pool, sand box and may pole (Hamilton Public Library).
By 1938, the Streets had been connected westward. The chimney is still labeled on the map, but the Steamship Lines are not. The Royal Hamilton Yacht Club is now depicted at the foot of MacNab Street, in its present location. Eastwood Park is labeled, and dashed lines indicated plans for the extension of Ferguson Avenue (Plate 9). Minimal changes are shown in 1943. In 1943, land in the south end of Eastwood Park was purchased by the Naval Department of National Defence for the construction of the H.M.C.S. Star (Hamilton Public Library). In 1952, the Marine Police Patrol is listed on the map at the foot of Hughson, and the H.H. C Marine Railway is identified at the foot of James Street. The Harbour Commission Building is under construction. The Catharine Street building is identified as belonging to the Harbour Commission (Plate 10-12). By 1959, the H.M.S.C. Stat reserves are identified on the map, and lines indicated the extension or planned extension of Ferguson Avenue. The pier north of Ferguson Avenue has been extended with fill (Plate 13). In 1972, 0.40 hectares of land in Eastwood Park was purchased by the Board of Control to construct Dock Service Road (Hamilton Public Library). By the late 1960s and early 1970s, Pier 8 has been expanded with fill to resemble its current
delineation, and includes the Harbour Masters Office. Between the 1960s and present day (Plates 14-16), the harbour front has continued to evolve with the construction of the new Yacht Club, the Marine Discovery Centre (now restaurant venues) and the waterfront trail and public amenities such as an outdoor skating area, parking lot, cafe and Hamilton Waterfront Trust offices. Much of the land on the expanded Pier 8 is used for boat storage and maintenance areas. Eastwood Park was redeveloped in the late 1990s, when a new sewer was installed under the park grounds (Hamilton Public Library).

Plate 9: Excerpt of the 1938 Hamilton Harbour Canadian Hydrographic map. Source: Hamilton Public Library.
Plate 10: Excerpt of the 1952 Hamilton Harbour Canadian Hydrographic map. Source: Hamilton Public Library.


Plate 15: Aerial view looking south of Hamilton Harbour area, showing expansion of Pier 8, 1969, from the Hamilton Spectator. Source: Hamilton Waterfront Trust.
4.3 Historical themes

The study area is primarily associated with the theme of harbour development, which began in the 1830s and continues to present day. The residential neighbourhood between Guise Street and Burlington Street also developed alongside the harbour development, containing a number of structures representative of workers’ housing. Many residents of the area may have found employment through various harbour activities, or in other North End industries. The harbour area has transformed from an area of industry, in the 19th and early 20th century, to a place of recreation, now featuring Marinas, the Yacht club, waterfront trails, Eastwood Park and recreational amenities.

5.0 Description of cultural heritage resources

This section of the report provides a description of built heritage resources located within the study area that are adjacent to the proposed forcemain and pumping station developments on Piers 5-8. The proposed development will primarily be located beneath existing
municipal rights of way, though some alternatives may be located on municipal lands beneath the existing storage/maintenance areas on Pier 8 and beneath Eastwood Park. These proposed routes generally do not contain built resources. Several structures are located immediately adjacent to the proposed development and are described below. The study area, as a whole, has medium-high potential for cultural heritage resources. The area has long-standing historical associations with wharf development, industry and associated settlement along the waterfront, but has continually evolved with a variety of built resources appearing along the historic street grid. The mid-to-late 20th century brought further transformation with the expansion of Pier 8 and increased recreational use of the waterfront.

5.1 Built heritage resources

5.1.1 Designated, listed or inventoried resources

The study area is adjacent to the H.M.C.S. Haida National Historic Site of Canada. The Haida was relocated to the Hamilton Harbour in 2003. It was built in England and was commissioned into the Royal Canadian Navy in the Second World War (1943), and also served in the Korean War and Cold War, until decommissioned in 1963. It was designated as a National Historic Site in 1984 (Parks Canada).

The study area does not contain any properties that are designated under Part IV of the Ontario Heritage Act. The study area does not contain any properties that are listed on the City of Hamilton Municipal Heritage Register.

Several properties within the wider study area are listed on the City of Hamilton’s Inventory of Buildings of Architectural or Historical Interest. They have been added to the Inventory because they are considered to be of architectural merit or historical interest. These buildings are residential structures (and one institutional property) in the neighbourhood between Brock Street, Burlington Street, Mary Street and James Street. The addresses of listed properties are as follows:

- 2,4,6,8 Brock Street (attached to 28/30 Guise)
- 28-30 Guise Street
- 605 James Street North (Hamilton Harbour Commission)
• 526 Hughson Street North
• 528 Hughson Street North
• 530 Hughson Street North
• 532 Hughson Street North
• 535 Hughson Street North
• 545 Hughson Street North
• 564 Hughson Street North
• 549 John Street North
• 562 Catharine Street North
• 572 Catharine Street North
• 576 Catharine Street North
• 578 Catharine Street North
• 590 Catharine Street North

The following sections discuss the inventoried heritage properties in greater detail.

2,4,6,8 Brock Street (Attached to 28-30 Guise Street)

These properties consist of row house dwellings facing towards Guise Street, with one unit on the east end oriented more towards Brock Street. The row house is a two storey structure with hip roof, and contains four units. It is connected to another row house addressed as 28-30 Guise Street. According to the 1946 Fire Insurance Plan, the row house is constructed of brick. The property has been encased with External Insulation Finishing System (EIFS) material. Original windows and doors have been replaced. Row house buildings of a similar height and layout are illustrated on the 1876 Birds eye view map. It is possible that this structure had been built by this date, but the artistic impression of the map may not be accurate and cannot be thought of as definitive.
28-30 Guise Street

This two-dwelling unit is attached to 2-8 Brock Street. It is a two storey structure with a low pitched side gable roof. Unit 28 has a central entrance flanked by rectangular window, with three window bays above, all in rectangular openings. Unit 30 has a symmetrical 4 bay facade with an entrance and window on the first storey and two windows on the second storey. The bays on unit 30 are in segmental arch openings. According to the 1946 Fire Insurance Plan, the structure is built of brick. The brick firewalls between the two units are visible in the roofline. The building has been clad in stucco. Original doors and windows have been replaced. Row house buildings of a similar height and layout are illustrated on the 1876 Birds eye view map. It is possible that this structure had been built by this date, but the artistic impression of the map may not be accurate and cannot be thought of as definitive.

605 James Street North

This structure houses the Hamilton Harbour Commission. It was constructed during the early 1950s, on land that was vacant since at least the mid 1940s. The six storey building (with walk-out basement level) is demonstrates influence of the mid-century modern style of architecture.

526 Hughson Street North

This property is a two and one half storey dwelling with front gable roof. The first storey contains an entrance door and window, the second storey contains two windows in segmental arch frames, and the gable has a single rectangular window. The house is
constructed of brick, according to a 1946 Fire Insurance Plan. The original windows and doors have been replaced and a brick porch has been added. The construction date of the house is not known.

528 Hughson Street North

This property is a two and one half storey dwelling with front gable roof. The first storey contains an entrance door and window, the second storey contains two windows in segmental arch frames, and the gable has a single rectangular window. The house is constructed of brick, according to a 1946 Fire Insurance Plan. The original windows and doors have been replaced and a metal porch has been added. The construction date of the house is not known.

530 Hughson Street North

This property is a two and one half storey dwelling with front gable roof. The first storey contains an entrance door and window, the second storey contains two windows in segmental arch frames, and the gable has a single rectangular window. The house is constructed of brick, according to a 1946 Fire Insurance Plan. The original windows and doors have been replaced and a wooden porch has been added. The construction date of the house is not known.

532 Hughson Street

This property is a one and one half storey structure with a central entrance and two front gables, featuring lancet windows and bay windows below. The structure is built of brick and has elements of the Gothic Revival/gothic cottage style. A
EIFS clad porch has been added. The construction date of the house is not known.

**535 Hughson Street**

This property is a one and one half storey structure with a central gable and symmetrical facade with central entrance and flanking windows. The structure is built of brick (according to a 1946 Fire Insurance Plan) and shows influence of the Ontario Gothic Revival Cottage style. The original windows and doors have been replaced and a large dormer has been added to the north side. The construction date of the house is not known.

**545 Hughson Street**

This property is a one and one half storey structure with a central gable and symmetrical facade with central entrance and flanking windows. The structure is of frame construction (according to a 1946 Fire Insurance Plan) and has a pebblestone/cement finish. The structure shows influence of the Ontario Gothic Revival Cottage style. The original windows and doors have been replaced. The construction date of the house is not known.

**564 Hughson Street**

This property contains a two and one half storey structure with cross gable roof. It features an asymmetrical facade with a side hall entrance with window above, and a two storey bay window with front gable. The gable features wooden bargeboard and trim. The house is constructed of brick according to a 1946 Fire Insurance Plan. The original windows and doors have been replaced, but remain in
slightly segmental arch openings with brick voussoirs. The construction date of the house is not known.

549 John Street North

The house at 549 John Street North is a one and one half storey structure with a cross gable roof and symmetrical facade with a central entrance flanked by rectangular windows. There is a centre gable above the entrance with a lancet window. A porch spans the front of the house. The structure is constructed of brick, according to a 1946 Fire Insurance Plan, and shows influence of the Ontario Gothic Revival Cottage style. The date of construction for the house is not known.

562 Catharine Street North

562 Catharine Street North is a two-to-three storey brick and cement block industrial building, with multiple bays of different sizes and shapes. A number of the bays have been filled in. The building features brick corbelling at the flat roofline, and brick voussoirs over many of the bays. In the 1940s, the building was listed on Fire Insurance Plans as G.W. Hendershott Corr. Paper Co. The construction date of the building is not known.

572 Catharine Street North

This property is a one storey structure with a central gable and symmetrical facade with central entrance and flanking windows. The structure is of frame construction (according to a 1946 Fire Insurance Plan) and has a pebblestone/cement finish. The structure shows influence of the Ontario Gothic Revival Cottage style.
The original windows and doors have been replaced. A metal porch has been added to the house. The construction date of the house is not known.

576 Catharine Street North

This property is a one storey structure with side gable roof. It features a symmetrical facade with central entrance, rectangular windows and a large porch. The house is of frame construction, according to a 1946 Fire Insurance Plan. The original windows and doors have been replaced.

578 Catharine Street North

This property is a one storey structure with side gable roof. It features a symmetrical facade with central entrance, rectangular windows and a large porch. The house is of brick construction, according to a 1946 Fire Insurance Plan. The original windows and doors have been replaced.

650 Catharine Street North

This property is the Canadian Forces Reserve Base, constructed with buildings constructed in the early 1940s as the H.M.C.S Star. The facility was constructed as one of nine new bases built between 1939 and 1945, to recruit and train for the Canadian Navy during the Second World War. The site was expanded by the 1960s to house the Commander Officer Naval Division and the Great Lakes Training Centre, and was the national headquarters for the Naval Reserve’s training and administration. It included the H.M.S.C. Star, Sea Cadet squadron and Hamilton Service Battalion. When constructed, the
site contained steel truss and wood frame buildings on concrete foundations with asbestos shingling (painted white and green). The buildings had views of both the harbour and Eastwood Park (Graham 3, 1992).

5.1.2 Non-designated or non-listed properties

There are a number of properties adjacent to the proposed pumping stations or forcemain locations. These properties have not been identified by the City as having potential cultural heritage value or interest (they are not inventoried, listed or designated). The following properties adjacent to the proposed development have been identified through fieldwork and research to have cultural heritage value or interest, due to their historical associations with the re-development/continual development of the harbour area in the 20th century. They are described below, and in inventory forms in Appendix B. The remainder of the properties adjacent to the proposed works are also contained in the inventory located in Appendix B.

659 Catharine Street North - Boat Maintenance Building

This building is located at the foot of Catharine Street, at the eastern edge of Pier 8. It contains a large boat maintenance shed with two front gables. The building is of steel frame construction and clad with metal siding. The east side of the building, facing the waterfront trail, features wood framed windows and murals. A building of this size and shape appear on maps from the early 20th century onwards. The building demonstrates associative value, due to its historical associations with continued harbour development in the 20th century.

17 Discovery Drive - Marine police

The Marine Police building is a wood frame structure constructed by 1950. It is of vernacular architecture, with three garage bays on the water, and pairs or groupings of three windows. The building demonstrates associative value, due to its historical associations with continued harbour development in the 20th century.
1 Guise Street - Hamilton Port Authority Maintenance Shop and Office

This building was constructed by the 1950s and serves as the maintenance shop for the entire port. The building is of steel frame construction and is clad in aluminum siding. It is of vernacular design, and is a two-storey structure with gable roof. The south side of the building features a row of multi-paned wood frame windows. The building demonstrates associative value, due to its historical associations with continued harbour development in the 20th century.

1 Guise Street - Hamilton Port Authority Varnish Shed

The varnish shed was constructed by the 1950s, alongside the Hamilton Port Authority maintenance shop. The building is of steel frame construction and is clad in aluminum siding. It is a tall, single storey structure with gable roof, large sliding doors, and a row of windows on the south side. The building demonstrates associative value, due to its historical associations with continued harbour development in the 20th century.

555 Bay Street North - Yacht Club Junior Sailors

The Junior Sailors facility was previously the main facility of the Royal Hamilton Yacht Club at Pier 5. By the 1920s, this frame structure replaced an earlier Yacht Club located further east after it was destroyed by fire. The building is of vernacular design, and is associated with the continued development of the harbour, particularly recreational use of this area, which has been the dominant characterization since the mid 20th century.

595 Catharine Street North - Navy League/Sea Corps Cadets

The Navy League/Sea Cadet building was constructed between 1959-1971. It is a two-storey building of frame construction and features a central wing with low pitched side gable roof and two flanking wings with flat roofs. The building has associative value as it is associated with the Navy League and Sea Cadets programs. These programs have evolved since the late 1890s, to engage youth in marine and military
related activities. The building has associative value due to its historical associations to these organizations.

5.2 Cultural landscapes

This section describes the broad cultural landscape elements of the study area, highlighting features that are identified in the *Standards and Guidelines for the Conservation of Historic Places in Canada*. Cultural landscapes, in the *Standards and Guidelines* and for the purposes of this report, are defined as “geographical area that has been modified, influenced or given special cultural meaning by people”. This report makes the distinction between cultural landscapes, which fit the definition above (as do most landscapes), and *significant* cultural heritage landscapes, which demonstrate significant cultural heritage value or interest and warrant conservation. The cultural heritage landscape of the study area is characterized by a continual evolution and change, from the 1830s to present day. The significance of the cultural landscape is related to its historical associations with the development of the harbor. Continued change in the area has resulted in compromised integrity that is not specific to a particular period of time. Though a number of residential streets demonstrate vernacular housing styles that are representative of 19th and early 20th century working dwellings (particularly Mary Street and Burlington Street), these residential areas of the study area are no longer directly linked to the industry of the harbor, and the harbor area has transformed to a place primarily for recreational use.

Together, the following elements (and the collection of built resources) make up the cultural heritage landscape of the broader study area.

**Land Patterns**

Land patterns in the study area are comprised of the urban street grid, open space, and the harbour area.

**Street Grid**

The street grid in the study area is a remnant of 19th century grid patterns that were the result of euro-Canadian settlement in the area.
and survey of the land. North-south streets like James Street, Hughson Street and John Street were in place by the mid 19th century, as were east-west streets like Burlington Street, Brock Street and Guise Street. The alignment of streets like Guise and Brock appears to have changed slightly over time (particularly at the intersection of Brock and Hughson), but the general pattern remains. Residential houses from the 19th and 20th centuries line the street grids. Additional streets have been added in the study area and the 20th century such as Discovery Drive, Ferguson Avenue (a northward extension of the existing street), and Dock Service Road.

Open Space

The main open space area in the study area is Eastwood Park. Eastwood Park was an open space area throughout the 19th century as the harbour developed, sometimes containing structures associated with the growth and development of the harbour. In the early 20th century, the land was set aside for park space for North End residents, and called Eastwood Park. The park contains a mixture of trees (generally young or medium sized), sports fields and an arena.

Harbour

The harbour at Piers 5-8 has changed continually since access to Lake Ontario was cut through Burlington Bay in the 1830s. The shoreline of the harbourfront has extended northward since this date, with various alignments and orientations of piers. Previous streams and inlets from the lake into the study area have been filled. In the 1960s, the harbourfront was extended further north, using fill to extend Pier 8. Historically, the harbour was an area with industries, warehouses and wharves. In the 20th century, recreational use of the harbourfront has increased, including facilities like the Royal Hamilton Yacht Club, the former Marine Discovery Centre, Harbour West Marina, and waterfront trails in the area.

Vegetation

Vegetation in the study area is located along the waterfront adjacent to Discovery Drive, in residential or institutional lots, and in Eastwood Park. Along the waterfront trail adjacent to Discovery Drive there is a mixture
of young to middle aged species, including Maple and Willow. A number of young Maples have been planted on the other side of Discovery Drive. Naturalized vegetation with a mix of tree, shrub and perennial/grass species are located in the parking area, separating the parking lot pods from one another.

Vegetation in private residential lots consists of lawn, trees and garden areas. There are no street trees in the residential neighbourhoods – all trees are located on private lots. A number of medium sized Maples are located in the parking area of the Canadian Forces Base, and a row of Red and Norway Maples. Young Maple trees have been planted in a row along the north side of Eastwood Park, and along the central pathways. A mixture of medium-sized trees are located on the east and south sides of the park.

Small wooded areas are located along the Waterfront trial on the south side of Guise Street, containing a mixture of plant material.

Views

Views within the study area are generally directed to the surrounding features. In the residential areas, views are directed along the street grid, or across Eastwood Park from Mary Street, the terminus of Brock Street, Ferguson Avenue and Burlington Street. From the north-south streets, views to the harbour are generally terminated by development, including harbour administration and boat maintenance or storage buildings, vegetated areas, or the Canadian Forces Base. Views of the Harbour are available from Discovery Drive and the adjacent waterfront trail.

Circulation

Circulation within the study area is limited to the existing road rights of way, sidewalks located on either side of the residential streets, the paved waterfront trail, and paved pathways through Eastwood park. There are generally sidewalks on both sides of the streets in the study area and trails that are for pedestrian use, setting a distinction between use of the road for vehicles. Circulation in the harbour areas, for boat storage and maintenance, is limited to authorized vehicles by fencing and signage.
Topography

The topography of the area is generally flat in the residential area along the rights of way and in Eastwood Park. However, on Hughson Street, parts of John Street, and parts of James Street, buildings are located on land that is higher than the right of way grade, and are accessible by stairs. From Guise Street, the land slopes down gently northwards to the harbour.

6.0 Description of proposed development

The proposed development at Piers 5-8 that is the subject of this Heritage Impact Assessment consists of installation of new pumping stations, sanitary sewer lines and forcemains. The proposed pumping station locations are on Pier 8, in the present location of a large boat shed, and on Pier 6, adjacent to the existing Hamilton Port Authority varnish shed.

A proposed sanitary sewer line would be located between the Junior Sailor building of the Royal Hamilton yacht Club, connecting to the pumping station at Pier 6 and extending eastward to Pier 7. An alternate route at Pier 8 would connect from the proposed pumping station to the Hamilton Waterfront Trust Centre, and would run southeast towards Catharine Street, with north-south lines aligned with Hughson Street and John Street.

An option for the forcemain route would run southeast from pumping station No. 1 (along the same trajectory as the proposed sanitary sewer), to Catharine Street, at which point it would follow the right of way of Catharine Street, under the path through Eastwood Park to Brock Street, at which point it would turn eastward and follow the alignment of Brock Street, extending eastward through Eastwood Park, to Ferguson Avenue, where it would turn southwards to follow the
right of way and connect to existing sanitary sewer lines at Burlington Street.

A alternate forcemain route would extend westward from Pumping Station No. 1 to the Discovery Drive right of way, following it southward to Brock Street, and then would turn eastward and follow the alignment of Brock Street to Mary Street, where it would turn southward and follow the Mary Street right of way to connect to existing sanitary sewer lines at Burlington Street and Ferguson Avenue.

An alternate sewer connection is also proposed for Piers 6 and 7, connecting between sanitary sewer lines from pumping stations 1 and 2. The following image, provided by the Hamilton Waterfront Trust, illustrates the proposed works.

7.0 Impacts of proposed development

Impacts to a built heritage or cultural landscape resource can be considered beneficial, neutral, or adverse. Beneficial impacts may include the retention of a structure, restoration or maintenance of heritage features, or sympathetic alterations or additions that allow a building’s continued or adaptive re-use. Adverse impacts may include the loss or removal of the identified heritage attributes of the property, the isolation of a property from its surrounding environment or the introduction of elements that are not in character with the cultural heritage property and its setting. Either type of impacts can be short or long-term in duration, site specific or widespread, may have high or low physical impact and may be reversible or irreversible. Impacts may also occur during the pre-construction phase, during the construction phase, or post-construction.

In addition to the considerations provided above, the following list of potential impacts contained in the Ministry of Tourism and Culture Screening for Impacts to Built Heritage Resources and Cultural Heritage Landscapes (November 2010), and InfoSheet #5 Heritage Impact Assessments and Conservation Plans (Winter 2006) was considered
with regards to cultural heritage resources. The following are examples of adverse impacts:

- Destruction, removal or relocation of any, or part of any, heritage attribute or feature.
- Alteration (which means a change in any manner and includes restoration, renovation, repair or disturbance);
- Shadows created that alter the appearance of a heritage attribute or change the exposure or visibility of a natural feature or plantings, such as a garden;
- Isolation of a heritage attribute from its surrounding environment, context or a significant relationship;
- Direct or indirect obstruction of significant views or vistas from, within, or to a built or natural heritage feature;
- A change in land use such as rezoning a battlefield from open space to residential use, allowing new development or site alteration to fill in the formerly open spaces; or,
- Soil disturbance such as a change in grade, or an alteration of the drainage pattern, or excavations, etc.

The following section outlines any potential adverse impacts of the proposed pumping stations, sanitary sewer and forcemains on heritage resources.

7.1 Potential impacts to built heritage resources

The proposed works are to be limited to existing municipal rights of way or municipal lands, installed below ground, although small structures may be erected for the pumping stations. These developments will not have any adverse impact on built heritage resources in the study area.

The only listed property adjacent to the proposed forcemain route is the Canadian Forces Reserve Base (formerly H.M.C.S Star), east of Catharine Street. The proposed works will not have adverse impacts on any of the listed properties within the study area, as they are generally confined to existing road rights of way and municipal lands.
Two built heritage resources, (the row houses at 2-8 Brock Street and 28-30 Guise Street) are located adjacent to an option for a forcemain route. An additional listed property at 564 Hughson Street is located nearby an alternate forcemain route. The proposed works will not have any adverse impact on these built heritage resources, as the proposed works are confined to the municipal right of way or municipal lands.

The remainder of listed properties are located farther away from the proposed or proposed alternative forcemain routes, and will not be impacted adversely.

The installation of sanitary sewer lines on Piers 6 and 7 will be adjacent to (non-listed) buildings that have historical associations with mid-20th century development of the harbour, such as boat maintenance buildings, Hamilton Port Authority buildings, the Royal Hamilton Yacht Club Junior Sailors building, and the Navy League/Sea Cadet property. As the proposed works will be contained within existing rights of way or previously disturbed/filled land, there will be no adverse impacts to these non-listed built heritage resources.

### 7.2 Potential impacts to cultural landscapes

The proposed works will generally be located within and under ground of existing land patterns, such as road rights of way or municipal lands. Their impacts to existing road rights of way will be the alteration and restoration of the roadways during the construction phase to install the new sanitary sewer and forcemains. However, there will not be any realignment as a result of this construction, and the proposed works will have no adverse impacts on the landforms of the study area.

The proposed undertakings are anticipated to result in none to minimal loss of vegetation, as the majority of the works are proposed to be installed along municipal rights of way or on Pier 8 lands without vegetation. The option for the forcemain through Eastwood Park is not immediately within in an area where trees are located. If nearby trees are required to be removed to install a forcemain, they appear to be young, recently planted Maple trees, which could be replaced in the same layout if removed.
Views within the study area are generally of the surrounding residential neighbourhood, of Eastwood Park, the Canadian Forces Reserve Base and the Harbour. Views toward the harbour are typically terminated by large structures, such as boat maintenance or storage sheds, the Hamilton Waterfront Trust Centre, the Harbour Maine Services Building, or the Canadian Forces Reserves Base. Installation of the options for sanitary sewer and forcemains will not adversely impact views within the study area, as these features will be located below ground. The addition of structures associated with the pumping stations is not anticipated to have any adverse impacts to views within the study area, as the proposed locations of the pumping stations are in the vicinity of other existing structures that already terminate views. Further, structures associated with pumping stations are typically smaller in scale than the existing buildings in the study area.

It is anticipated that during the construction phase, there will be temporary adverse impacts to circulation patterns within the study area, particularly municipal rights of way where the proposed forcemains may be installed. The construction associated with this installation may disrupt the existing circulation patterns for vehicles and pedestrians. However, this will not result in the long term loss or removal of these circulation patterns, as the disturbed sections of the municipal rights of way will be restored following the installation of the forcemains.

Soil disturbance at Eastwood Park is expected to occur to excavate and install the proposed forcemain beneath the park. This is a temporary impact, as the excavated areas will be filled once construction is complete, and will not result in long-term loss or removal of the open space area.

8.0 Mitigation measures

The proposed installation of sanitary sewer, forcemains and pumping stations on Piers 5-8 is not anticipated to have long-term irreversible adverse impacts to built heritage or cultural landscape resources within the study area.
Impacts resulting from construction, such as soil disturbance/excavation of part of the open space area and disruption of circulation patterns during the construction phase are considered to be short-term and temporary in duration, and do not adversely impact significant heritage resources. These changes to cultural landscape features are a continuation of on-going change that has already occurred in the study area, such as establishing recreational sports fields and pathways in the park, and paving roads and installing existing sanitary sewer systems.

Neither of the forcemain options is anticipated to have adverse impacts of the significant cultural heritage resources of the study area. The proposed route may result in fewer temporary impacts to circulation patterns, and the setback distances to the right of way and proposed works location of adjacent heritage resources are greater.

As the proposed works are confined to existing municipal right of way, municipal lands or previously disturbed lands, and do not pose any adverse impacts to significant built heritage resources or cultural landscapes within the study area, no mitigation measures are necessary.

9.0 Summary statement and recommendations

The study area contains a number of heritage resources that are considered to have potential significance. Within the wider study area (lands north of Burlington Street, east of MacNab Street, west of Ferguson Avenue and south of the harbour) there are 19 properties contained on the City of Hamilton Inventory of Buildings of Architectural or Historical Value or Interest.

Additionally, five properties were newly identified in this study as potential heritage resources which may warrant further evaluation; the boat maintenance building at the foot of Catharine Street, the marine police garage, the Hamilton Port Authority maintenance shop and office, the Hamilton Port Authority varnish shed, the Royal Hamilton Yacht Club Junior Sailing building and the Navy League/Sea Cadet property.
The study area is a cultural landscape comprised of residential, (former) industrial, institutional, open space and recreational properties that has continually evolved and changed since the waterfront north of the historic Hamilton townsite was connected to Lake Ontario in the 1830s, when wharves for grain transport and industrial activity became established. Historically, the residents of the neighbourhood were likely connected to harbour or other nearby North End Industries. A number of streets contain representative examples of workers housing, particularly Mary Street, which features a consistent row of cottages and one-and-one half storey residences and the rear of a former print shop. Today, the harbour area is generally characterized by recreational use, including waterfront trails, cafes and restaurants, marinas, and tourist sites.

The proposed development is generally limited to existing municipal rights of way, or located beneath ground on previously disturbed park and Pier lands. The proposed works are not anticipated to have any adverse, long-term irreversible impacts to cultural heritage resources within the study area. The proposed forcemain route is preferred to the alternative route, as nearby cultural heritage resources have a greater setback distance, and this location is less likely to temporarily disrupt existing views, circulation patterns and vegetation.

10.0 **Sources Consulted**


City of Hamilton Planning and Economic Development Department, Development and Real Estate, Community Planning and Design. *Hamilton’s Heritage Volume 2: Inventory of Buildings of Architectural and/or Historical Interest*.


Hamilton Public Library.


Graham, Fern. (Parks Canada). Correspondence with Anne Gillespie, City of Hamilton Planning Department, Re: CFRB Hamilton. 1992. Provided by the City of Hamilton Heritage Planning Staff.

Ontario Ministry of Culture (now Ministry of Tourism, Culture and Sport.


Ontario Ministry of Municipal Affairs and Housing.


Maps and Aerial Photos:

“Hamilton 1836”. Hamilton Public Library, Local History Archives.

“Map of the Bay and Harbour in Front of the City of Hamilton in the Gore District. Hamilton Public Library, Local History Archives.

Illustrated historical atlas of the county of Wentworth, Ont. Toronto : Page & Smith, 1875.

“Bird’s Eye View of the City of Hamilton, Province of Ontario, Canada”. 1876, Hamilton Public Library, Local History and Archives.

“City of Hamilton”, 1833. Hamilton Public Library, Local History and Archives.

“Hamilton”, 1893. Hamilton Public Library, Local History and Archives.


Air Photo 1952, Hamilton Spectator. Provided by the Hamilton Waterfront Trust.


Air Photo 1960, Hamilton Spectator. Provided by the Hamilton Waterfront Trust.

Air Photo 1969, Hamilton Spectator. Provided by the Hamilton Waterfront Trust.
APPENDIX A Screening for Impacts to Built Heritage and Cultural Heritage Landscapes
### Screening for Impacts to Built Heritage and Cultural Landscape

This checklist is intended to help proponents determine whether their project could affect known or potential cultural heritage resources. The completed checklist should be returned to the appropriate Heritage Planner or Heritage Advisor at the Ministry of Tourism and Culture.

#### Step 1 – Screening for Recognized Cultural Heritage Value

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#### Step 2 – Screening Potential Resources

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*Built heritage resources*

1. Does the subject property or an adjacent property contain any buildings or structures *over forty years old* that are:
   - Residential structures (e.g. house, apartment building, shanty or trap line shelter)
   - Farm buildings (e.g. barns, outbuildings, silos, windmills)
   - Industrial, commercial or institutional buildings (e.g. a factory, school, etc.)
   - Engineering works (e.g. bridges, water or communications towers, roads, water/sewer systems, dams, earthworks, etc.)
   - Monuments or Landmark Features (e.g. cairns, statues, obelisks, fountains, reflecting pools, retaining walls, boundary or claim markers, etc.)

2. Is the subject property or an adjacent property associated with a known architect or builder?

3. Is the subject property or an adjacent property associated with a person or event of historic interest?

4. When the municipal heritage planner was contacted regarding potential cultural heritage value of the subject property, did they express interest or concern?

*Cultural heritage landscapes*

5. Does the subject property contain landscape features such as:
   - Burial sites and/or cemeteries
   - Parks or gardens
   - Quarries, mining, industrial or farming operations
   - Canals
   - Prominent natural features that could have special value to people (such as waterfalls, rocky outcrops, large specimen trees, caves, etc.)
   - Evidence of other human-made alterations to the natural landscape (such as trails, boundary or way-finding markers, mounds, earthworks, cultivation, non-native species, etc.)

6. Is the subject property within a Canadian Heritage River watershed?

7. Is the subject property near the Rideau Canal Corridor UNESCO World Heritage Site?

8. Is there any evidence from documentary sources (e.g., local histories, a local recognition program, research studies, previous heritage impact assessment reports, etc.) or local knowledge or Aboriginal oral history, associating the subject property/area with historic events, activities or persons?
Note:

If the answer is "yes" to any question in Step 1, proceed to Step 3.

The following resources can assist in answering questions in Step 1:

- **Municipal Clerk or Planning Department** – Information on properties designated under the Ontario Heritage Act (individual properties or Heritage Conservation Districts) and properties listed on a Municipal Heritage register.
- **Ontario Heritage Trust** – Contact the OHT directly regarding easement properties. A list of OHT plaques can be found on the website: Ontario Heritage Trust
- **Parks Canada** – A list of National Historic Sites can be found on the website: Parks Canada
- **Ministry of Tourism and Culture** – The Ontario Heritage Properties Database includes close to 8000 identified heritage properties. Note while this database is a valuable resource, it has not been updated since 2005, and therefore is not comprehensive or exhaustive. Ontario Heritage Properties Database
- **Local or Provincial archives**
- **Local heritage organizations**, such as the municipal heritage committee, historical society, local branch of the Architectural Conservancy of Ontario, etc.

Consideration should also be given to obtaining oral evidence of CHR. For example, in many Aboriginal communities, an important means of maintaining knowledge of cultural heritage resources is through oral tradition.

If the answer is "yes" to any question in Step 2, an evaluation of cultural heritage value is required. If cultural heritage resources are identified, proceed to Step 3.

If the answer to any question in Step 1 or to questions 2-4, 6-8 in Step 2, is "unknown", further research is required.

If the answer is "yes" to any of the questions in Step 3, a heritage impact assessment is required.

If uncertainty exists at any point, the services of a qualified person should be retained to assist in completing this checklist. All cultural heritage evaluation reports and heritage impact assessment reports must be prepared by a qualified person. Qualified persons means individuals (professional engineers, architects, archaeologists, etc.) having relevant, recent experience in the identification and conservation of cultural heritage resources. Appropriate evaluation involves gathering and recording information about the property sufficient to understand and substantiate its heritage value; determining cultural heritage value or interest based on the advice of qualified persons and with appropriate community input. If the property meets the criteria in Ontario Regulation 9/06 under the Ontario Heritage Act, it is a cultural heritage resource.

* The 40 year old threshold is an indicator of potential when conducting a preliminary survey for identification of cultural heritage resources. While the presence of a built feature that is 40 or more years old does not automatically signify cultural heritage value, it does make it more likely that the property could have cultural heritage value or interest. Similarly, if all the built features on a property are less than 40 years old, this does not automatically mean the property has no cultural heritage value. Note that age is not a criterion for designation under the Ontario Heritage Act.

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### Step 3 – Screening for Potential Impacts

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* For the purposes of evaluating potential impacts of development and site alteration "adjacent" means: contiguous properties as well as properties that are separated from a heritage property by narrow strip of land used as a public or private road, highway, street, lane, trail, right-of-way, walkway, green space, park, and/or easement or as otherwise defined in the municipal official plan.
Screening for Impacts to Built Heritage and Cultural Heritage Landscapes

This checklist is intended to help proponents determine whether their project could affect known or potential cultural heritage resources. The completed checklist should be returned to the appropriate Heritage Planner or Heritage Advisor at the Ministry of Tourism and Culture.

### Step 1 – Screening for Recognized Cultural Heritage Value

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<tr>
<th>YES</th>
<th>NO</th>
<th>Unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. Is the subject property designated or adjacent* to a property designated under the *Ontario Heritage Act*?

2. Is the subject property listed on the municipal heritage register or a provincial register/list? (e.g. Ontario Heritage Bridge List)

3. Is the subject property within or adjacent to a Heritage Conservation District?

4. Does the subject property have an Ontario Heritage Trust easement or is it adjacent to such a property?

5. Is there a provincial or federal plaque on or near the subject property?

6. Is the subject property a National Historic Site?

7. Is the subject property recognized or valued by an Aboriginal community?

### Step 2 – Screening Potential Resources

#### Built heritage resources

1. Does the subject property or an adjacent property contain any buildings or structures over forty years old that are:
   - Residential structures (e.g. house, apartment building, shanty or trap line shelter)
   - Farm buildings (e.g. barns, outbuildings, silos, windmills)
   - Industrial, commercial or institutional buildings (e.g. a factory, school, etc.)
   - Engineering works (e.g. bridges, water or communications towers, roads, water/sewer systems, dams, earthworks, etc.)
   - Monuments or Landmark Features (e.g. cairns, statues, obelisks, fountains, reflecting pools, retaining walls, boundary or claim markers, etc.)

2. Is the subject property or an adjacent property associated with a known architect or builder?

3. Is the subject property or an adjacent property associated with a person or event of historic interest?

4. When the municipal heritage planner was contacted regarding potential cultural heritage value of the subject property, did they express interest or concern?

#### Cultural heritage landscapes

5. Does the subject property contain landscape features such as:
   - Burial sites and/or cemeteries
   - Parks or gardens
   - Quarries, mining, industrial or farming operations
   - Canals
   - Prominent natural features that could have special value to people (such as waterfalls, rocky outcrops, large specimen trees, caves, etc.)
   - Evidence of other human-made alterations to the natural landscape (such as trails, boundary or way-finding markers, mounds, earthworks, cultivation, non-native species, etc.)

6. Is the subject property within a Canadian Heritage River watershed?

7. Is the subject property near the Rideau Canal Corridor UNESCO World Heritage Site?

8. Is there any evidence from documentary sources (e.g., local histories, a local recognition program, research studies, previous heritage impact assessment reports, etc.) or local knowledge or Aboriginal oral history, associating the subject property/area with historic events, activities or persons?

November 2010
**Note:**
If the answer is "yes" to any question in Step 1, proceed to Step 3.

The following resources can assist in answering questions in Step 1:
- **Municipal Clerk or Planning Department** – Information on properties designated under the Ontario Heritage Act (individual properties or Heritage Conservation Districts) and properties listed on a Municipal Heritage register.
- **Ontario Heritage Trust** – Contact the OHT directly regarding easement properties. A list of OHT plaques can be found on the website: Ontario Heritage Trust.
- **Parks Canada** – A list of National Historic Sites can be found on the website: Parks Canada.
- **Ministry of Tourism and Culture** – The Ontario Heritage Properties Database includes close to 8000 identified heritage properties. Note while this database is a valuable resource, it has not been updated since 2005, and therefore is not comprehensive or exhaustive. Ontario Heritage Properties Database.
- **Local or Provincial archives**

Local heritage organizations, such as the municipal heritage committee, historical society, local branch of the Architectural Conservancy of Ontario, etc. Consideration should also be given to obtaining oral evidence of ChIRs. For example, in many Aboriginal communities, an important means of maintaining knowledge of cultural heritage resources is through oral tradition.

If the answer is "yes" to any question in Step 1, an evaluation of cultural heritage value is required. If cultural heritage resources are identified, proceed to Step 3.

If the answer to any question in Step 1 or to questions 2-4, 5-8 in Step 2, is "unknown", further research is required.

If the answer is "yes" to any of the questions in Step 3, a heritage impact assessment is required.

If uncertainty exists at any point, the services of a qualified person should be retained to assist in completing this checklist. All cultural heritage evaluation reports and heritage impact assessment reports must be prepared by a qualified person. Qualified persons means individuals (professional engineers, architects, archaeologists, etc.) having relevant, recent experience in the identification and conservation of cultural heritage resources. Appropriate evaluation involves gathering and recording information about the property sufficient to understand and substantiate its heritage value; determining cultural heritage value or interest based on the advice of qualified persons and with appropriate community input. If the property meets the criteria in Ontario Regulation 9/06 under the Ontario Heritage Act, it is a cultural heritage resource.

† The 40-year old threshold is an indicator of potential when conducting a preliminary survey for identification of cultural heritage resources. While the presence of a built feature that is 40 or more years old does not automatically signify cultural heritage value, it does make it more likely that the property could have cultural heritage value or interest. Similarly, if all the built features on a property are less than 40 years old, this does not automatically mean the property has no cultural heritage value. Note that age is not a criterion for designation under the Ontario Heritage Act.

### Step 3 – Screening for Potential Impacts

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
</tr>
</thead>
<tbody>
<tr>
<td>![ ]</td>
<td>![ ]</td>
</tr>
<tr>
<td><em><em>Will the proposed undertaking/project involve or result in any of the following potential impacts to the subject property or an adjacent</em> property?</em>*</td>
<td></td>
</tr>
<tr>
<td>![ ]</td>
<td>![ ]</td>
</tr>
<tr>
<td><strong>Destruction, removal or relocation</strong> of any, or part of any, heritage attribute or feature.</td>
<td></td>
</tr>
<tr>
<td>![ ]</td>
<td>![ ]</td>
</tr>
<tr>
<td><strong>Alteration</strong> (which means a change in any manner and includes restoration, renovation, repair or disturbance).</td>
<td></td>
</tr>
<tr>
<td>![ ]</td>
<td>![ ]</td>
</tr>
<tr>
<td><strong>Shadows</strong> created that alter the appearance of a heritage attribute or change the exposure or visibility of a natural feature or plantings, such as a garden.</td>
<td></td>
</tr>
<tr>
<td>![ ]</td>
<td>![ ]</td>
</tr>
<tr>
<td><strong>Isolation</strong> of a heritage attribute from its surrounding environment, context or a significant relationship.</td>
<td></td>
</tr>
<tr>
<td>![ ]</td>
<td>![ ]</td>
</tr>
<tr>
<td><strong>Direct or indirect obstruction</strong> of significant views or vistas from, within, or to a built or natural heritage feature.</td>
<td></td>
</tr>
<tr>
<td>![ ]</td>
<td>![ ]</td>
</tr>
<tr>
<td><strong>A change in land use</strong> such as rezoning a battlefield from open space to residential use, allowing new development or site alteration to fill in the formerly open spaces.</td>
<td></td>
</tr>
<tr>
<td>![ ]</td>
<td>![ ]</td>
</tr>
<tr>
<td><strong>Soil disturbance</strong> such as a change in grade, or an alteration of the drainage pattern, or excavation, etc.</td>
<td></td>
</tr>
</tbody>
</table>

* For the purposes of evaluating potential impacts of development and site alteration "adjacent" means: contiguous properties as well as properties that are separated from a heritage property by narrow strip of land used as a public or private road, highway, street, lane, trail, right-of-way, walkway, green space, park, and/or easement or as otherwise defined in the municipal official plan.
**Project:**

**Date of survey(s):** October 28, 2013  
**Recorder:** L. Jones

---

**Street Address:** 17 Discovery Drive  
**Given or popular name:** Marine Police

---

**Feature type:**

<table>
<thead>
<tr>
<th>Feature type</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 Residential</td>
<td></td>
</tr>
<tr>
<td>200 Religious</td>
<td></td>
</tr>
<tr>
<td>300 Public/Institutional</td>
<td>X</td>
</tr>
<tr>
<td>400 Commercial</td>
<td></td>
</tr>
<tr>
<td>500 Industrial</td>
<td></td>
</tr>
<tr>
<td>600 Transpn/Eng Wrks/Utilities</td>
<td></td>
</tr>
<tr>
<td>700 Farmstead</td>
<td></td>
</tr>
<tr>
<td>800 Other</td>
<td></td>
</tr>
</tbody>
</table>

**Construction period:**

- Pre-1867  
| X | 1868-1900  
|   | 1901-1939  
|   | 1939-55 |
| X | 1955-71  
|   | Post 1970s |

**Date if known:** ____________________  
**Builder/craftsperson if known:** ____________________

---

**Building Fabric:**

- **Foundation construction material:**
  - Stone  
  - Brick  
  - Concrete  
  - Other unknown

- **Main building construction material:**
  - Brick  
  - Frame  
  - Stone  
  - Log  
  - Other  
  - ________________

- **Building cladding:**
  - Wooden  
  - Type: ___________  
  - Stone  
  - Stucco  
  - Synthetic  
  - Other  
  - ________________

- **Roof construction material:**
  - Wood shingles  
  - Slate  
  - Asphalt  
  - Asbestos  
  - Other  
  - unknown

**Storeys:**

<table>
<thead>
<tr>
<th>Storeys</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>One</td>
<td>X</td>
</tr>
<tr>
<td>One-and-a-half</td>
<td></td>
</tr>
<tr>
<td>Two</td>
<td></td>
</tr>
<tr>
<td>Two-and-a-half</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

**Roof type:**

- Front gable  
| X | Side gable  
|    | Cross/Centre gabled  
|    | Hip  
|    | Other  
|    | flat

---

**Architecture:**

- **Vernacular**  
  - X

**Influence Architectural Style:**

- Georgian  
  - Neo-Classical  
  - Regency  
  - Classic Revival  
  - Gothic Revival  
  - Italian Villa  
  - Italianate  
  - Second Empire  
  - Queen Anne  
  - Romanesque Revival  
  - Renaissance Revival  
  - Chateau  
  - Beaux-Arts Classicism  
  - Neo-Gothic  
  - Period Revival  
  - Colonial Revival  
  - Edwardian Classicism  
  - Bungalow  
  - Prairie/Four Square  
  - Art Deco  
  - Art Moderne  
  - International  
  - Victory Housing  
  - '50's Contempo  
  - Post Modern  
  - Other  

**Notable building features:**

- Porch  
|    | Verandah  
|    | Door(s)  
|    | Window(s)  
|    | Sill(s)  
|    | Lintel(s)  
|    | Shutters  
|    | Quoins  
|    | Decorative barge board  
|    | Decorative cornice  
|    | Decorative woodwork  
|    | Finials  
|    | Spire/tower  
|    | Columns/pilasters  
|    | Other  

**Integrity:**

- Much Altered  
| X | Altered  
|    | Little altered  

**Historical associations if known:**

The building demonstrates associative value, due to its historical associations with continued harbour development in the 20th century.

---

**Associated cultural heritage landscape:**

- Pier 7

MHBC: Built Heritage Resource Field Survey form
Project:
Date of survey(s): October 28, 2013
Recorder: L. Jones

**Street Address:** 31 Discovery Drive
**Given or popular name:** Harbour West Marina north storage yard

**Feature type:**
- 100 Residential [ ]
- 200 Religious [ ]
- 300 Public/Institutional [ ]
- 400 Commercial [ ]
- 500 Industrial [ ]
- 600 Transptn/Eng Wrks/Utilities [ ]
- 700 Farmstead [ ]
- 800 Other [ ]

**Construction period:**
- Pre-1867 [ ]
- 1868-1900 [ ]
- 1901-1939 [ ]
- 1939-55 [ ]
- 1955-71 [ ]
- Post 1970s [X]

**Date if known:**
**Builder/craftsperson if known:**

**Building Fabric:**
- Foundation construction material:
  - Stone [ ]
  - Brick [ ]
  - Concrete [ ]
  - Other: Unknown

- Main building construction material:
  - Brick [ ]
  - Frame [ ]
  - Stone [ ]
  - Log [ ]
  - Other: Steel

- Building cladding:
  - Wooden [ ]
  - Type: Other: Metal
  - Stone [ ]
  - Stucco [ ]
  - Synthetic [ ]

- Roof construction material:
  - Wood shingles [ ]
  - Slate [ ]
  - Asphalt [ ]
  - Asbestos [ ]
  - Other: Metal

- Storeys:
  - One [X]
  - One-and-a-half [ ]
  - Two [ ]
  - Two-and-a-half [ ]
  - Other [ ]

- Roof type:
  - Front gable [ ]
  - Side gable [ ]
  - Cross/centre gabled [ ]
  - Hip [ ]
  - Other: Shed

**Architecture:**
- Vernacular [ ]
- Gothic Revival [ ]
- Neo-Gothic [ ]
- Italian Villa [ ]
- Italianate [ ]
- Second Empire [ ]
- Georgian [ ]
- Regency [ ]
- Chateau [ ]
- Classical Revival [ ]
- Renaissance Revival [ ]
- Queen Anne [ ]
- Renaissance Revival [ ]
- Romanesque Revival [ ]
- Beaux-Arts Classicism [ ]
- Prairie/Four Square [ ]
- Edwardian Classicism [ ]
- Bungalow [ ]
- Prairie/Four Square [ ]
- Art Moderne [ ]
- International [ ]
- Art Deco [ ]
- Post Modern [ ]
- ‘50s Contempo [ ]

**Notable building features:**
- Porch [ ]
- Verandah [ ]
- Door(s) [ ]
- Window(s) [ ]
- Sill(s) [ ]
- Shutters [ ]
- Lintel(s) [ ]
- Quoins [ ]
- Decorative barge board [ ]
- Decorative cornice [ ]
- Decorative woodwork [ ]
- Finials [ ]
- Spire/tower [ ]
- Columns/pilasters [ ]
- Other [ ]

**Integrity:**
- Much Altered [ ]
- Altered [ ]
- Little altered [ ]

**Historical associations if known:**
- Associated with the harbor west marina

**Associated cultural heritage landscape:**

MHBC: Built Heritage Resource Field Survey form
**MHBC: Built Heritage Resource Field Survey form**

**Project:**

**Date of survey(s):** October 28, 2013  
**Recorder:** L. Jones

---

<table>
<thead>
<tr>
<th>Feature type:</th>
<th>100 Residential</th>
<th>200 Religious</th>
<th>300 Public/Institutional</th>
<th>400 Commercial</th>
<th>500 Industrial</th>
<th>600 Transptn/Eng Wrks/Utilities</th>
<th>700 Farmstead</th>
<th>800 Other</th>
</tr>
</thead>
</table>

- **Construction period:**
  - Pre-1867
  - 1868-1900
  - 1901-1939
  - 1939-55
  - 1955-71
  - Post 1971

- **Date if known:**
  - Builder/crafts person if known:

---

<table>
<thead>
<tr>
<th>Building Fabric:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation construction material:</td>
</tr>
<tr>
<td>Stone</td>
</tr>
<tr>
<td>Main building construction material:</td>
</tr>
<tr>
<td>Brick</td>
</tr>
<tr>
<td>Other_Uknown</td>
</tr>
</tbody>
</table>

- **Building cladding:**
  - Wooden Type: Stone | Stucco |
  - Synthetic | Other_Metal |

- **Roof construction material:**
  - Wood shingles | Slate | Asphalt | Asbestos |
  - Other | Metal |

- **Storeys:**
  - One | One-and-a-half | Two | Two-and-a-half | Other |

- **Roof type:**
  - Front gable | Side gable | Cross/Centre gabled | Hip | Other | Flat |

---

<table>
<thead>
<tr>
<th>Architecture:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vernacular</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Influence/Architectural Style:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Georgian</td>
</tr>
<tr>
<td>Gothic Revival</td>
</tr>
<tr>
<td>Queen Anne</td>
</tr>
<tr>
<td>Beaux-Arts Classicism</td>
</tr>
<tr>
<td>Edwardian Classicism</td>
</tr>
<tr>
<td>Art Moderne</td>
</tr>
<tr>
<td>Post Modern</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Notable building features:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Porch</td>
</tr>
<tr>
<td>Lintel(s)</td>
</tr>
<tr>
<td>Decorative woodwork</td>
</tr>
</tbody>
</table>

- **Integrity:**
  - Much Altered | Altered | Little altered |

---

<table>
<thead>
<tr>
<th>Historical associations if known:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associated with continued development of the harbor after fill expansion of Pier 8</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Associated cultural heritage landscape:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pier 8</td>
</tr>
</tbody>
</table>
**Street Address:** 1 Guise Street  
**Given or popular name:** Harbour West Marina (contains Hamilton Port Authority Maintenance shop and varnish shed)

**Feature type:**  
- 100 Residential  
- 200 Religious  
- 300 Public/Institutional  
- 400 Commercial  
- 500 Industrial  
- 600 Transpn/Eng Wrks/Utilities  
- 700 Farmstead  
- 800 Other

**Construction period:** Pre-1867  
1868-1900  
1901-1939  
1939-55  
1955-71  
Post 1970s

**Date if known:**___________________  
**Builder/craftsperson if known:**________________________

**Building Fabric:**  
- Foundation construction material:  
  - Stone  
  - Brick  
  - Concrete  
  - Other

- Main building construction material:  
  - Brick  
  - Frame  
  - Stone  
  - Log  
  - Other

- Building cladding:  
  - Wooden  
  - Stone  
  - Stucco  
  - Synthetic  
  - Other

- Roof construction material:  
  - Wood shingles  
  - Slate  
  - Asphalt  
  - Asbestos  
  - Other

- Storeys: One  
- Roof type: Front gable  
- Other

**Architecture:**  
- Vernacular  
- Influence/Architectural Style:  
  - Georgian  
  - Gothic Revival  
  - Queen Anne  
  - Beaux-Arts Classicism  
  - Edwardian Classicism  
  - Art Moderne  
  - Post Modern

- Notable building features:  
  - Porch  
  - Verandah  
  - Door(s)  
  - Window(s)  
  - Lintel(s)  
  - Shutters  
  - Quoins  
  - Decorative barge board  
  - Decorative cornice  

- Decorative woodwork  
- Finials  
- Spire/tower  
- Columns/pilasters  
- Other

- Integrity: Much Altered  
- Altered  
- Little altered

**Historical associations:** If known:  
The buildings demonstrate associative value, due to its historical associations with continued harbour development in the 20th century.

**Associated cultural heritage landscape:** Pier 6
**Street Address:** 2 Guise Street

**Given or popular name:**

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential [X]</th>
<th>200 Religious [ ]</th>
<th>300 Public/Institutional [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>400 Commercial [ ]</td>
<td>500 Industrial [ ]</td>
<td>600 Transpnt/Eng Wrks/Utilities [ ]</td>
</tr>
<tr>
<td></td>
<td>700 Farmstead [ ]</td>
<td>800 Other [ ]</td>
<td></td>
</tr>
</tbody>
</table>

**Construction period:** Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [ ] 1939-55 [ ] 1955-71 [ ] Post 1970s [X]

**Date if known:**

**Builder/crafts person if known:**

<table>
<thead>
<tr>
<th>Building Fabric:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation construction material: Stone [ ] Brick [ ] Concrete [X] Other__________</td>
</tr>
<tr>
<td>Main building construction material: Brick [ ] Frame [ ] Stone [ ] Log [ ]</td>
</tr>
<tr>
<td>Other____Concrete</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Building cladding:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wooden [ ] Type: Stone [ ] Stucco [ ] Synthetic [ ] Other Concrete</td>
</tr>
<tr>
<td>Other__Concrete__</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Building cladding:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Roof construction material: Wood shingles [ ] Slate [ ] Asphalt [ ] Asbestos [ ]</td>
</tr>
<tr>
<td>Other___________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Storeys:</th>
</tr>
</thead>
<tbody>
<tr>
<td>One [ ] One-and-a-half [ ] Two [ ] Two-and-a-half [ ] Other [ ]</td>
</tr>
<tr>
<td>Other 6</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Roof type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front gable [ ] Side gable [ ] Cross/Centre gabled [ ] Hip [ ] Other flat</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Architecture:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vernacular [ ]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Influence Architectural Style:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Georgian [ ] Neo-Classical [ ] Regency [ ] Classic Revival [ ]</td>
</tr>
<tr>
<td>Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]</td>
</tr>
<tr>
<td>Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]</td>
</tr>
<tr>
<td>Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]</td>
</tr>
<tr>
<td>Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]</td>
</tr>
<tr>
<td>Art Moderne [ ] International [ ] Victory Housing [ ] '50's Contempo [ ]</td>
</tr>
<tr>
<td>Post Modern [ ] Other:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Notable building features:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]</td>
</tr>
<tr>
<td>Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]</td>
</tr>
<tr>
<td>Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Integrity:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Much Altered [ ] Altered [ ] Little altered [X]</td>
</tr>
</tbody>
</table>

**Historical associations if known:**

N/A

**Associated cultural heritage landscape:** Guise Street
**Street Address:** 40-42 Guise Street  
**Given or popular name:**

---

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential [ X ]</th>
<th>200 Religious</th>
<th>300 Public/Institutional</th>
<th>400 Commercial</th>
<th>500 Industrial</th>
<th>600 Transp/Eng Wrks/Utilities</th>
<th>700 Farmstead</th>
<th>800 Other</th>
</tr>
</thead>
</table>

**Construction period:** Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [ X ] 1939-55 [ ] 1955-71 [ ] Post 1970s [ ]

**Date known:** ____________________  
**Builder/craftsperson if known:** __________________________

---

<table>
<thead>
<tr>
<th>Building Fabric</th>
<th>Stone</th>
<th>Brick</th>
<th>Concrete</th>
<th>Other unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation construction material:</td>
<td>Stone [ ]</td>
<td>Brick [ ]</td>
<td>Concrete [ ]</td>
<td>Other [ ]</td>
</tr>
<tr>
<td>Main building construction material:</td>
<td>Brick [ ]</td>
<td>Frame [ X ]</td>
<td>Stone [ ]</td>
<td>Log [ ]</td>
</tr>
<tr>
<td>Building cladding:</td>
<td>Wooden [ ]</td>
<td>Type:</td>
<td>Stone [ ]</td>
<td>Stucco [ ]</td>
</tr>
<tr>
<td>Roof construction material:</td>
<td>Wood shingles [ ]</td>
<td>Slate [ ]</td>
<td>Asphalt [ ]</td>
<td>Asbestos [ ]</td>
</tr>
<tr>
<td>Storeys:</td>
<td>One [ ]</td>
<td>One-and-a-half [ ]</td>
<td>Two [ ]</td>
<td>Two-and-a-half [ X ]</td>
</tr>
<tr>
<td>Roof type:</td>
<td>Front gable [ ]</td>
<td>Side gable [ X ]</td>
<td>Cross/Centre gabled [ ]</td>
<td>Hip [ ]</td>
</tr>
</tbody>
</table>

---

**Architecture:**

- Vernacular [ X ]
- Influence/Architectural Style:
  - Georgian [ ]
  - Neo-Classical [ ]
  - Regency [ ]
  - Classic Revival [ ]
  - Gothic Revival [ ]
  - Italian Villa [ ]
  - Italianate [ ]
  - Second Empire [ ]
  - Queen Anne [ ]
  - Romanesque Revival [ ]
  - Renaissance Revival [ ]
  - Chateau [ ]
  - Beaux-Arts Classicism [ ]
  - Neo-Gothic [ ]
  - Period Revival [ ]
  - Colonial Revival [ ]
  - Edwardian Classicism [ ]
  - Bungalow [ ]
  - Prairie/Four Square [ ]
  - Art Deco [ ]
  - Art Moderne [ ]
  - International [ ]
  - Victorian/Regency [ ]
  - ‘50’s Contempo [ ]
  - Post Modern [ ]
  - Other: __________________________

---

<table>
<thead>
<tr>
<th>Notable building features:</th>
<th>Porch [ ]</th>
<th>Verandah [ ]</th>
<th>Door(s) [ ]</th>
<th>Window(s) [ ]</th>
<th>Sill(s) [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Integrity:** Much Altered [ X ] Altered [ ] Little altered [ ]

**Historical associations if known:**

Representative of worker's type housing in the North End/harbor area.

---

**Associated cultural heritage landscape:** Guise Street
**Street Address:** 65 Guise Street East  
**Given or popular name:**

<table>
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<tr>
<th>Feature type:</th>
<th>100 Residential</th>
<th>200 Religious</th>
<th>300 Public/Institutional</th>
<th>400 Commercial</th>
<th>500 Industrial</th>
<th>600 Transpnt/Eng Wrks/Utilities</th>
<th>700 Farmstead</th>
<th>800 Other</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th></th>
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<th></th>
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</tr>
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<tbody>
<tr>
<td>Date if known:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Builder/craftsperson if known:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Building Fabric: |
|-----------------|-----------------|-----------------|-----------------|
| Foundation construction material: Stone | Brick | Concrete | Other |
| Main building construction material: Brick | Frame | Stone | Log | Other: Concrete block |
| Building cladding: Wooden | Type: Stone | Stucco | Synthetic | Other |
| Roof construction material: Wood shingles | Slate | Asphalt | Asbestos | Other |

| Storeys: |
|-----------|-----------------|-----------------|
| One: X | One-and-a-half | Two | Two-and-a-half | Other |

| Roof type: |
|-------------|-----------------|-----------------|
| Front gable | Side gable | Cross/Centre gabled | Hip | Other: Flat |

| Architecture: |
|-----------------|-----------------|-----------------|-----------------|
| Vernacular | Neo-Classical | Regency | Classic Revival |
| Gothic Revival | Italian Villa | Italianate | Second Empire |
| Queen Anne | Romanesque Revival | Renaissance Revival | Chateau |
| Beaux-Arts Classicism | Neo-Gothic | Period Revival | Colonial Revival |
| Edwardian Classicism | Bungalow | Prairie/Four Square | Art Deco |
| Art Moderne | International | Victory Housing | ‘50’s Contempo |
| Post Modern | Other | |

| Notable building features: |
|-----------------------------|----------------------------|
| Porch | Verandah | Door(s) | Window(s) | Sill(s) |
| Lintel(s) | Shutters | Quoins | Decorative barge board | Decorative cornice |
| Decorative woodwork | Finials | Spire/tower | Columns/pillasters | Other |

<table>
<thead>
<tr>
<th>Integrity:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Much Altered</td>
</tr>
</tbody>
</table>

**Historical associations if known:**

Associated with later use of the harbor as a marina

**Associated cultural landscape:** Guise Street

MHBC: Built Heritage Resource Field Survey form
Street Address: 605 James Street North
Given or popular name: Hamilton Port Authority

Feature type: 100 Residential [    ] 200 Religious [    ] 300 Public/Institutional [ X  ]
400 Commercial [    ] 500 Industrial [    ] 600 Transpn/Eng Wrks/Utilities [    ]
700 Farmstead [    ] 800 Other [    ]

Construction period: Pre-1867 [    ] 1868-1900 [    ] 1901-1939 [    ] 1939-55 [ X  ]
1955-71 [    ] Post 1970s [    ]

Date if known:___________________ Builder/craftsperson if known:________________________

Building Fabric:
Foundation construction material: Stone [    ] Brick [    ] Concrete [ X  ] Other__________
Main building construction material: Brick [    ] Frame [    ] Stone [    ] Log [    ]
Other [    ] Steel [    ]

Building cladding:
Type: Wooden [    ] Stone [    ] Stucco [    ] Synthetic [    ] Other [    ]

Roof construction material:
Wood shingles [    ] Slate [    ] Asphalt [    ] Asbestos [    ]
Other [    ]

Storeys: One [    ] One-and-a-half [    ] Two [    ] Two-and-a-half [    ] Other [    ]

Roof type: Front gable [    ] Side gable [    ] Cross/Centre gabled [    ] Hip [    ] Other [ flat ]

Architecture:
Vernacular [    ]
Influence/Architectural Style:
Georgian [    ] Neo-Classical [    ] Regency [    ] Classic Revival [    ]
Gothic Revival [    ] Italian Villa [    ] Italianate [    ] Second Empire [    ]
Queen Anne [    ] Romanesque Revival [    ] Renaissance Revival [    ] Chateau [    ]
Beaux-Arts Classicism [    ] Neo-Gothic [    ] Period Revival [    ] Colonial Revival [    ]
Edwardian Classicism [    ] Bungalow [    ] Prairie/Four Square [    ] Art Deco [    ]
Art Moderne [    ] International [    ] Victory Housing [    ]
50’s Contempo/mid century modern [ X ]
Post Modern [    ] Other:

Notable building features:
Porch [    ] Verandah [    ] Door(s) [    ] Window(s) [    ] Sill(s) [    ]
Lintel(s) [    ] Shutters [    ] Quoins [    ] Decorative barge board [    ] Decorative cornice [    ]
Decorative woodwork [    ] Finials [    ] Spire/tower [    ] Columns/pillasters [    ] Other [    ]

Integrity: Much Altered [    ] Altered [    ] Little altered [ X ]

Historical associations: This structure houses the Hamilton Harbour Commission. It was constructed during the early 1950s, on land that was vacant since at least the mid 1940s.

Associated cultural heritage landscape: James Street North

MHBC: Built Heritage Resource Field Survey form
Project: 
Date of survey(s): October 28, 2013  Recorder  L. Jones

Street Address:  555 Bay Street North
Given or popular name: Royal Hamilton Yacht Club (Junior Sailors)

Feature type:  100 Residential [   ]  200 Religious [   ]  300 Public/Institutional [   ]
               400 Commercial [   ]  500 Industrial [   ]  600 Transpnt/Eng Wrks/Utilities [   ]
               700 Farmstead [   ]  800 Other [ X   ]

Construction period: Pre-1867 [   ] 1868-1900 [   ] 1901-1939 [ X   ] 1939-55 [   ] 1955-71[   ] Post 1970s [   ]
Date if known:___________________ Builder/craftsperson if known:________________________

Building Fabric:
Foundation construction material: Stone [   ]  Brick [   ]  Concrete [   ]  Other_Piers_____
Main building construction material: Brick [   ]  Frame [ X   ]  Stone [   ]  Log [   ]
       Other________
Building cladding:
Wooden [ X   ]  Type: __ clapboard____ Stone [   ]  Stucco [   ]
       Synthetic [   ]  Other________
Roof construction material:
Wood shingles [   ] Slate [   ]  Asphalt [ X   ]  Asbestos [   ]
       Other________
Storeys:   One [   ] One-and-a-half [   ] Two [ X   ] Two-and-a-half [   ]  Other
Roof type:  Front gable [   ] Side gable [   ]  Cross/Centre gabled [   ]  Hip [   ]  Other _ flat_____

Architecture:
Vernacular [ X   ]
Influence/Architectural Style:
Georgian [   ]  Neo-Classical [   ]  Regency [   ]  Classic Revival [   ]
Gothic Revival [   ]  Italian Villa [   ]  Italianate [   ]  Second Empire [   ]
Queen Anne [ ]  Romanesque Revival [ ]  Renaissance Revival [ ]  Chateau [ ]
Beaux-Arts Classicism [ ]  Neo-Gothic [ ]  Period Revival [ ]  Colonial Revival [ ]
Edwardian Classicism [ ]  Bungalow [ ]  Prairie/Four Square [ ]  Art Deco [ ]
Art Moderne [ ]  International [ ]  Victory Housing[ ]  '50's Contempo [ ]
Post Modern [ ]  Other:________

Notable building features: Porch [   ]  Verandah [   ]  Door(s) [   ]  Window(s) [   ]  Sill(s) [   ]
       Lintel(s) [   ]  Shutters [   ]  Quoins [   ]  Decorative barge board [   ]  Decorative cornice [   ]
Decorative woodwork [   ]  Finials [   ]  Spire/tower [   ]  Columns/pilasters [   ]  Other [   ]

Integrity: Much Altered [   ]  Altered [ X   ]  Little altered [   ]

Historical associations If known:
The Junior Sailors facility was previously the main facility of the Royal Hamilton Yacht Club at Pier 5. By the 1920s, this frame structure replaced an earlier Yacht Club located further east after it was destroyed by fire. The building is of vernacular design, and is associated with the continued development of the harbour, particularly recreational use of this area, which has been the dominant characterization since the mid 20th century.

Associated cultural heritage landscape: Pier 5
**Street Address:** 568 Hughson Street North

**Given or popular name:**

<table>
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<th>Feature type</th>
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<tr>
<td></td>
<td>400 Commercial [ ]</td>
<td>500 Industrial [ ]</td>
<td>600 Transpnl/Eng Wrks/Utilities [ ]</td>
</tr>
<tr>
<td></td>
<td>700 Farmstead [ ]</td>
<td>800 Other [ ]</td>
<td></td>
</tr>
</tbody>
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**Construction period:** Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [ ] 1939-55 [ ] 1955-71 [ ] Post 1970s [X] 

**Date if known:**
**Builder/crafts person if known:**

<table>
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<tbody>
<tr>
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<tr>
<td>Stone [ ] Brick [ ] Concrete [X] Other [ ]</td>
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<tr>
<td>Main building construction material:</td>
</tr>
<tr>
<td>Brick [ ] Frame [X] Stone [ ] Log [ ] Other [ ]</td>
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<table>
<thead>
<tr>
<th>Building cladding</th>
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</thead>
<tbody>
<tr>
<td>Wooden [ ] Type:</td>
</tr>
<tr>
<td>Stone [ ] Stucco [ ]</td>
</tr>
<tr>
<td>Synthetic [ ] Other [ ]</td>
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<table>
<thead>
<tr>
<th>Roof construction material:</th>
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</thead>
<tbody>
<tr>
<td>Wood shingles [ ] Slate [ ] Asphalt [X] Asbestos [ ] Other [ ]</td>
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</tbody>
</table>

<table>
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<tr>
<th>Storeys</th>
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</thead>
<tbody>
<tr>
<td>One [ ] One-and-a-half [ ] Two [X] Two-and-a-half [ ] Other [ ]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Roof type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front gable [ ] Side gable [ ] Cross/Centre gabled [ ] Hip [X] Other [ ]</td>
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**Architecture:**

<table>
<thead>
<tr>
<th>Vernacular [ ]</th>
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<tbody>
<tr>
<td>Neo-Classical [ ] Regency [ ] Classic Revival [ ]</td>
</tr>
<tr>
<td>Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]</td>
</tr>
<tr>
<td>Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]</td>
</tr>
<tr>
<td>Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]</td>
</tr>
<tr>
<td>Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]</td>
</tr>
<tr>
<td>Art Moderne [ ] International [ ] Victorian [ ] '50's Contempo [ ]</td>
</tr>
<tr>
<td>Post Modern [ ] Other [ ]</td>
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<tr>
<td>Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]</td>
</tr>
<tr>
<td>Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]</td>
</tr>
<tr>
<td>Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ]</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Integrity:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Much Altered [ ] Altered [ ] Little altered [X]</td>
</tr>
</tbody>
</table>

**Historical associations if known:**

N/A

**Associated cultural heritage landscape:** Hughson Street
### Project:

- **Date of survey(s):** October 28, 2013
- **Recorder:** L. Jones

### MHBC: Built Heritage Resource Field Survey form

**Street Address:** 576 John Street

**Given or popular name:**

<table>
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<th>Feature type</th>
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<th>300 Public/Institutional [ ]</th>
<th>400 Commercial [ ]</th>
<th>500 Industrial [ ]</th>
<th>600 Transpn/Eng Wrks/Utilities [ ]</th>
<th>700 Farmstead [ ]</th>
<th>800 Other [ ]</th>
</tr>
</thead>
</table>

**Construction period:** Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [X] 1939-55 [ ] 1955-71[ ] Post 1970s [ ]

**Date if known:** ______________________  **Builder/craftsperson if known:** ______________________

**Building Fabric:**
- **Foundation construction material:** Stone [ ] Brick [ ] Concrete [X] Other________
- **Main building construction material:** Brick [ ] Frame [X] Stone [ ] Log [ ] Other________
- **Building cladding:** Wooden [ ] Type: _____________  **Stone [ ] Stucco [ ] Synthetic [X] Other________
- **Roof construction material:** Wood shingles [ ] Slate [ ] Asphalt [X] Asbestos [ ] Other________

<table>
<thead>
<tr>
<th>Storeys</th>
<th>One [ ]</th>
<th>One-and-a-half [ ]</th>
<th>Two [ ]</th>
<th>Two-and-a-half [X]</th>
<th>Other [ ]</th>
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</thead>
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<table>
<thead>
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<th>Roof type</th>
<th>Front gable [X]</th>
<th>Side gable [ ]</th>
<th>Cross/Centre gabled [ ]</th>
<th>Hip [ ]</th>
<th>Other [ ]</th>
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</thead>
</table>

### Architecture:

- **Vernacular [ ]**
- **Influence/Architectural Style:**
  - Georgian [ ]
  - Gothic Revival [ ]
  - Queen Anne [ ]
  - Beaux-Arts Classicism [ ]
  - Edwardian Classicism [X]
  - Art Moderne [ ]
  - Post Modern [ ]
  - International [ ]
  - Romanesque Revival [ ]
  - Renaissance Revival [ ]
  - Neo-Gothic [ ]
  - Italian Villa [ ]
  - Italianate [ ]
  - Prairie/Four Square [ ]
  - ‘50’s Contempo [ ]
  - Classic Revival [ ]
  - Regency [ ]
  - Chateau [ ]
  - Second Empire [ ]
  - Period Revival [ ]
  - Colonial Revival [ ]
  - Art Deco [ ]
  - Victory Housing[ ]

### Notable building features:

- **Porch [X]**
- **Verandah [ ]**
- **Door(s) [ ]**
- **Window(s) [ ]**
- **Sill(s) [ ]**
- **Lintel(s) [ ]**
- **Shutters [ ]**
- **Quoins [ ]**
- **Decorative barge board [ ]**
- **Decorative cornice [ ]**
- **Decorative woodwork [ ]**
- **Finials [ ]**
- **Spire/tower [ ]**
- **Columns/pilasters [ ]**
- **Other [X]**
- **Brackets at eaves. Gable window**

### Integrity:

- Much Altered [ ]
- Altered [X]
- Little altered [ ]

### Historical associations

- **If known:**

### Associated cultural landscape:

- John Street
Street Address: 581 John Street North
Given or popular name: ________________________________

| Feature type: | 100 Residential [X] | 200 Religious [ ] | 300 Public/Institutional [ ] |
|              | 400 Commercial [ ]   | 500 Industrial [ ] | 600 Transprt/Eng Wrks/Utilities [ ] |
|              | 700 Farmstead [ ]     | 800 Other [ ]       |

| Construction period: | Pre-1867 [ ] | 1868-1900 [ ] | 1901-1939 [X] | 1939-55 [ ] | 1955-71 [ ] | Post 1970s [ ] |
| Date if known: | _________________ |
| Builder/craftsperson if known: | _________________ |

| Building Fabric: |
| Foundation construction material: | Stone [ ] | Brick [ ] | Concrete [X] | Other [ ] |
| Main building construction material: | Brick [ ] | Frame [X] | Stone [ ] | Log [ ] | Other [ ] |

| Building cladding: | Wooden [ ] | Type: ___ |
| Synthitic [X] | Other [ ] |
| Stone [ ] | Stucco [ ] |
| Synthetic [X] | Other [ ] |

| Roof construction material: | Wood shingles [ ] | Slate [ ] | Asphalt [X] | Asbestos [ ] |
| Other [ ] |

| Storeys: | One [ ] | One-and-a-half [ ] | Two [ ] | Two-and-a-half [X] | Other [ ] |
| Roof type: | Front gable [X] | Side gable [ ] | Cross/Centre gabled [ ] | Hip [ ] | Other [ ] |

| Architecture: |
| Vernacular [X] | |
| Influence Architectural Style: |
| Georgian [ ] | Neo-Classical [ ] | Regency [ ] | Classic Revival [ ] |
| Gothic Revival [ ] | Italian Villa [ ] | Italianate [ ] | Second Empire [ ] |
| Queen Anne [ ] | Romanesque Revival [ ] | Renaissance Revival [ ] | Chateau [ ] |
| Beaux-Arts Classicism [ ] | Neo-Gothic [ ] | Period Revival [ ] | Colonial Revival [ ] |
| Edwardian Classicism [ ] | Bungalow [ ] | Prairie/Four Square [ ] | Art Deco [ ] |
| Art Moderne [ ] | International [ ] | Victory Housing[ ] | ‘50’s Contempo [ ] |
| Post Modern [ ] | Other [ ] |

| Notable building features: | Porch [ ] | Verandah [ ] | Door(s) [ ] | Window(s) [ ] | Sill(s) [ ] |
| Lintel(s) [ ] | Shutters [ ] | Quoins [ ] | Decorative barge board [ ] | Decorative cornice [ ] |
| Decorative woodwork [ ] | Finials [ ] | Spire/tower [ ] | Columns/pilasters [ ] | Other [ ] |

| Integrity: | Much Altered [ ] | Altered [X] | Little altered [ ] |

| Historical associations if known: |
| Representative of worker's type housing in the North End/harbor area. |

| Associated cultural heritage landscape: | John Street |
**Project:**

**Date of survey(s):** October 28, 2013

**Recorder:** L. Jones

---

**Street Address:** 600 John Street North/35 Brock Street

**Given or popular name:** Marina Towers

---

<table>
<thead>
<tr>
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<th>200 Religious</th>
<th>300 Public/Institutional</th>
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<th>500 Industrial</th>
<th>600 Transp/Eng Wrks/Utilities</th>
<th>700 Farmstead</th>
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<tbody>
<tr>
<td><strong>Construction period:</strong></td>
<td>Pre-1867</td>
<td>1868-1900</td>
<td>1901-1939</td>
<td>1939-55</td>
<td>1955-71</td>
<td>Post 1970s</td>
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**Date if known:**

**Builder/craftsman if known:**

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**Building Fabric:**

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<tr>
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<tr>
<td><strong>Main building construction material:</strong></td>
<td>Brick</td>
<td>Frame</td>
<td>Stone</td>
<td>Log</td>
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<table>
<thead>
<tr>
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<th>Wooden</th>
<th>Type:</th>
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<th>Stucco</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Roof construction material:</strong></td>
<td>Wood shingles</td>
<td>Slate</td>
<td>Asphalt</td>
<td>Asbestos</td>
</tr>
<tr>
<td>Other:</td>
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<th>Storeys:</th>
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<th>One-and-a-half</th>
<th>Two</th>
<th>Two-and-a-half</th>
<th>Other</th>
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</table>

**Roof type:**

<table>
<thead>
<tr>
<th>Front gable</th>
<th>Side gable</th>
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<th>Hip</th>
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</tr>
</thead>
</table>

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**Architecture:**

**Influence/Architectural Style:**

<table>
<thead>
<tr>
<th>Georgian</th>
<th>Neo-Classical</th>
<th>Regency</th>
<th>Classic Revival</th>
<th>Second Empire</th>
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<table>
<thead>
<tr>
<th>Gothic Revival</th>
<th>Italian Villa</th>
<th>Italianate</th>
<th>Renaissance Revival</th>
<th>Chateau</th>
</tr>
</thead>
<tbody>
<tr>
<td>Queen Anne</td>
<td>Romanesque Revival</td>
<td>Classical Revival</td>
<td>Art Deco</td>
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**Edwardian Classicism:**

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<thead>
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<th>Neo-Gothic</th>
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<tbody>
<tr>
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**Art Moderne:**

<table>
<thead>
<tr>
<th>International</th>
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<th>'50's Contempo</th>
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</thead>
<tbody>
<tr>
<td>Post Modern</td>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

---

**Notable building features:**

<table>
<thead>
<tr>
<th>Porch</th>
<th>Verandah</th>
<th>Door(s)</th>
<th>Window(s)</th>
<th>Sill(s)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Shutters</th>
<th>Quoins</th>
<th>Decorative barge board</th>
<th>Decorative cornice</th>
</tr>
</thead>
</table>

**Decorative woodwork:**

<table>
<thead>
<tr>
<th>Finials</th>
<th>Spire/tower</th>
<th>Columns/pilasters</th>
<th>Other</th>
</tr>
</thead>
</table>

**Lintel(s):**

**Integrity:**

<table>
<thead>
<tr>
<th>Much Altered</th>
<th>Altered</th>
<th>Little altered</th>
</tr>
</thead>
</table>

**Historical associations:**

N/A

---

**Associated cultural heritage landscape:**

John Street/Brock Street

---

MHBC: Built Heritage Resource Field Survey form
## Project Information

- **Date of survey(s):** October 28, 2013
- **Recorder:** L. Jones

## Street Address

2, 4, 6, 8 Brock Street

## Given or popular name:

___

### Feature type:

- 100 Residential [X]
- 200 Religious [ ]
- 300 Public/Institutional [ ]
- 400 Commercial [ ]
- 500 Industrial [ ]
- 600 Transpnt/Eng Wrks/Utilities [ ]
- 700 Farmstead [ ]
- 800 Other [ ]

### Construction period:

- Pre-1867 [ ]
- 1868-1900 [X]
- 1901-1939 [ ]
- 1939-55 [ ]
- 1955-71 [ ]
- Post 1970s [ ]

### Date if known:

_________________

### Builder/craftsperson if known:

__________________

### Building Fabric:

<table>
<thead>
<tr>
<th>Foundation construction material:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stone [ ] Brick [ ] Concrete [ ] Other [ ]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Main building construction material:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brick [X] Frame [ ] Stone [ ] Log [ ]</td>
</tr>
</tbody>
</table>

### Building cladding:

| Wooden [ ] Type: __________________ |
| Synthetic [ ] Other [ ] EIFS [ ] |

### Roof construction material:

| Wood shingles [ ] Slate [ ] Asphalt [X] Asbestos [ ] |

### Storeys:

- One [ ]
- One-and-a-half [ ]
- Two [X]
- Two-and-a-half [ ]

### Roof type:

- Front gable [ ]
- Side gable [ ]
- Cross/Centre gabled [ ]

### Architecture:

- Vernacular [X]

### Influence/Architectural Style:

- Georgian [ ]
- Neo-Classical [ ]
- Regency [ ]
- Classic Revival [ ]
- Gothc Revival [ ]
- Italian Villa [ ]
- Italianate [ ]
- Second Empire [ ]
- Queen Anne [ ]
- Romanesque Revival [ ]
- Renaissance Revival [ ]
- Chateau [ ]
- Beaux-Arts Classicism [ ]
- Neo-Gothic [ ]
- Period Revival [ ]
- Colonial Revival [ ]
- Edwardian Classicism [ ]
- Bungalow [ ]
- Prairie/Four Square [ ]
- Art Deco [ ]
- Art Moderne [ ]
- International [ ]
- Victory Housing [ ]
- '50's Contempo [ ]

### Post Modern [ ]

### Notable building features:

| Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ] |
| Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ] |

| Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ] |

### Integrity:

- Much Altered [X]
- Altered [ ]
- Little altered [ ]

### Historical associations if known:

- Representative of 19th century worker’s type rowhouse in North End/harbor area.

### Associated cultural landscape:

- Brock Street/Guise Street
**Street Address:** 36 Brock Street

**Given or popular name:**

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential</th>
<th>200 Religious</th>
<th>300 Public/Institutional</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 Commercial</td>
<td>500 Industrial</td>
<td>600 Transpn/Eng Wrks/Utilities</td>
<td></td>
</tr>
<tr>
<td>700 Farmstead</td>
<td>800 Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Construction period:** Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [X] 1939-55 [ ] 1955-71[ ] Post 1970s [ ]

**Date if known:** ____________________

**Builder/crafts person if known:** __________________________

**Building Fabric:**

<table>
<thead>
<tr>
<th>Foundation construction material:</th>
<th>Stone [ ]</th>
<th>Brick [ ]</th>
<th>Concrete [X]</th>
<th>Other [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main building construction material:</td>
<td>Brick [ ]</td>
<td>Frame [X]</td>
<td>Stone [ ]</td>
<td>Log [ ]</td>
</tr>
<tr>
<td>Building cladding:</td>
<td>Wooden [ ] Type: ____________________</td>
<td>Stone [ ]</td>
<td>Stucco [ ]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Synthetic [X]</td>
<td>Other [ ]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roof construction material:</td>
<td>Wood shingles [ ]</td>
<td>Slate [ ]</td>
<td>Asphalt [X]</td>
<td>Asbestos [ ]</td>
</tr>
</tbody>
</table>

**Storeys:**

| One [X] | One-and-a-half [ ] | Two [ ] | Two-and-a-half [ ] | Other [ ] |

**Roof type:**

| Front gable [X] | Side gable [ ] | Cross/Centre gabled [ ] | Hip [ ] | Other [ ] |

**Architecture:**

**Vernacular [X]**

**Influence Architectural Style:**

| Georgian [ ] | Neo-Classical [ ] | Regency [ ] | Classic Revival [ ] |
| Gothic Revival [ ] | Italian Villa [ ] | Italianate [ ] | Second Empire [ ] |
| Queen Anne [ ] | Romanesque Revival [ ] | Renaissance Revival [ ] | Chateau [ ] |
| Beaux-Arts Classicism [ ] | Neo-Gothic [ ] | Period Revival [ ] | Colonial Revival [ ] |
| Edwardian Classicism [ ] | Bungalow [ ] | Prairie/Four Square [ ] | Art Deco [ ] |
| Art Moderne [ ] | International [ ] | Victory Housing[ ] | '50's Contempo [ ] |
| Post Modern [ ] | Other [ ] |

**Notable building features:**

| Porch [ ] | Verandah [ ] | Door(s) [ ] | Window(s) [ ] | Sill(s) [ ] |
| Lintel(s) [ ] | Shutters [ ] | Quoins [ ] | Decorative barge board [ ] | Decorative cornice [ ] |
| Decorative woodwork [ ] | Finials [ ] | Spire/tower [ ] | Columns/pilasters [ ] | Other [ ] |

**Integrity:**

| Much Altered [ ] | Altered [X] | Little altered [ ] |

**Historical associations If known:**

Representative of worker's housing in the North End/harbor area.

**Associated cultural landscape:**

Brock Street
### Project:
Date of survey(s): October 28, 2013 Recorder L Jones

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential [X]</th>
<th>200 Religious [ ]</th>
<th>300 Public/Institutional [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>400 Commercial [ ]</td>
<td>500 Industrial [ ]</td>
<td>600 Transpnl/Eng Wrks/Utilities [ ]</td>
</tr>
<tr>
<td></td>
<td>700 Farmstead [ ]</td>
<td>800 Other [ ]</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Construction period</th>
<th>Pre-1867 [ ]</th>
<th>1868-1900 [ ]</th>
<th>1901-1939 [ ]</th>
<th>1939-55 [ ]</th>
<th>1955-71 [ ]</th>
<th>Post 1970s [X]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date if known:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Builder/craftsperson if known:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Building Fabric: Foundation construction material: Stone [ ] Brick [ ] Concrete [X] Other [ ] |
|------------|------------|---------|--------------|
| Main building construction material: Brick [ ] Frame [X] Stone [ ] Log [ ] Other [ ] |
| Building cladding: Wooden [ ] Type: Stone [ ] Stucco [ ] Synthetic [X] Other [ ] Brick [ ] |
| Roof construction material: Wood shingles [ ] Slate [ ] Asphalt [ ] Asbestos [ ] Other [ ] |
| Storeys: One [ ] One-and-a-half [ ] Two [ ] Two-and-a-half [ ] Other [ ] 3 |
| Roof type: Front gable [ ] Side gable [ ] Cross/Centre gabled [X] Hip [ ] Other [ ] |

<table>
<thead>
<tr>
<th>Architecture: Vernacular [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Influence Architectural Style: Georgian [ ] Neo-Classical [ ] Regency [ ] Classic Revival [ ]</td>
</tr>
<tr>
<td>Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]</td>
</tr>
<tr>
<td>Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]</td>
</tr>
<tr>
<td>Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]</td>
</tr>
<tr>
<td>Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]</td>
</tr>
<tr>
<td>Art Moderne [ ] International [ ] Victory Housing [ ] ‘50s Contempo [ ]</td>
</tr>
<tr>
<td>Post Modern [ ] Other: Contemporary [ ]</td>
</tr>
</tbody>
</table>

| Notable building features: Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ] |
|-----------------------------|---------------------------------|---------------------|-----------------|-----------------|
| Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ] |
| Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pillasters [ ] Other [ ] |
| Integrity: Much Altered [ ] Altered [ ] Little altered [X] |

<table>
<thead>
<tr>
<th>Historical associations if known:</th>
</tr>
</thead>
<tbody>
<tr>
<td>NA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Associated cultural heritage landscape: Brock Street</th>
</tr>
</thead>
</table>

MHBC: Built Heritage Resource Field Survey form
Street Address: 11 Brock Street
Given or popular name: 

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential</th>
<th>200 Religious</th>
<th>300 Public/Institutional</th>
<th>400 Commercial</th>
<th>500 Industrial</th>
<th>600 Transpnl/Eng Wrks/Utilities</th>
<th>700 Farmstead</th>
<th>800 Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction period</td>
<td>Pre-1867 [ ]</td>
<td>1868-1900 [ ]</td>
<td>1901-1939 [X]</td>
<td>1939-55 [ ]</td>
<td>1955-71 [ ]</td>
<td>Post 1970s [ ]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date if known:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Builder/ craftsman if known:</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Building Fabric       | Stone [ ]       | Brick [ ]     | Concrete [X]             | Other__________|               |                                 |               |           |
| Man building construction material: | Brick [X] | Frame [ ] | Stone [ ] | Log [ ] | Other Concrete block |
| Building cladding:    | Wooden [X] Type:_________ Stone [ ] | Stucco [ ] | Synthetic [ ] | Other__________|
| Roof construction material: | Wood shingles [ ] | Slate [ ] | Asphalt [ ] | Asbestos [ ] | Other Not known |
| Storeys:              | One [X ]        | One-and-a-half [ ] | Two [ ] | Two-and-a-half [ ] | Other |                                 |               |           |
| Roof type:            | Front gable [ ] | Side gable [ ] | Cross/Center gabled [ ] | Hip [ ] | Other | Flat |

Architecture:
Vernacular [X ]
Influence/Architectural Style:
Georgian [ ] Neo-Classical [ ] Regency [ ] Classic Revival [ ]
Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]
Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]
Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]
Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]
Art Moderne [ ] International [ ] Victory Housing[ ] ‘50’s Contempo [ ]
Post Modern [ ] Other:

Notable building features:
Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]
Lintel(s) [ ] Shutters [ ] Quoin(s) [ ] Decorative barge board [ ] Decorative cornice [ ]
Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pillasters [ ] Other [ ]

Integrity: Much Altered [ ] Altered [X] Little altered [ ]

Historical associations if known:
Identified as a machine shop in 1940s Fire insurance Plans.

Associated cultural heritage landscape: Brock Street
### Project:
- **Date of survey(s):** October 28, 2013  
- **Recorder:** L. Jones

#### Street Address:
- **38 Brock Street**

#### Given or popular name:

#### Feature type:
- 100 Residential [X]  
- 200 Religious [ ]  
- 300 Public/Institutional [ ]  
- 400 Commercial [ ]  
- 500 Industrial [ ]  
- 600 Transpnt/Eng Wrks/Utilities [ ]  
- 700 Farmstead [ ]  
- 800 Other [ ]

#### Construction period:
- Pre-1867 [ ]  
- 1868-1900 [ ]  
- 1901-1939 [X]  
- 1939-55 [ ]  
- 1955-71 [ ]  
- Post 1970s [ ]

#### Date if known: ____________________  
#### Builder/craftsperson if known: ____________________

#### Building Fabric:

<table>
<thead>
<tr>
<th>Foundation construction material:</th>
<th>Stone [ ]</th>
<th>Brick [ ]</th>
<th>Concrete [X]</th>
<th>Other [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main building construction material:</td>
<td>Brick [ ]</td>
<td>Frame [X]</td>
<td>Stone [ ]</td>
<td>Log [ ]</td>
</tr>
<tr>
<td>Building clad:</td>
<td>Wooden [ ]</td>
<td>Type: ____________________</td>
<td>Stone [ ]</td>
<td>Stucco [ ]</td>
</tr>
<tr>
<td>Roof construction material:</td>
<td>Wood shingles [ ]</td>
<td>Slate [ ]</td>
<td>Asphalt [X]</td>
<td>Asbestos [ ]</td>
</tr>
<tr>
<td>Storeys:</td>
<td>One [X]</td>
<td>One-and-a-half [ ]</td>
<td>Two [ ]</td>
<td>Two-and-a-half [ ]</td>
</tr>
<tr>
<td>Roof type:</td>
<td>Front gable [X]</td>
<td>Side gable [ ]</td>
<td>Cross/Centre gabled [ ]</td>
<td>Hip [ ]</td>
</tr>
</tbody>
</table>

#### Architecture:

<table>
<thead>
<tr>
<th>Vernacular [X]</th>
<th>Neo-Classical [ ]</th>
<th>Regency [ ]</th>
<th>Classic Revival [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gothic Revival [ ]</td>
<td>Italian Villa [ ]</td>
<td>Italianate [ ]</td>
<td>Second Empire [ ]</td>
</tr>
<tr>
<td>Queen Anne [ ]</td>
<td>Romanesque Revival [ ]</td>
<td>Renaissance Revival [ ]</td>
<td>Chateau [ ]</td>
</tr>
<tr>
<td>Beaux-Arts Classicism [ ]</td>
<td>Neo-Gothic [ ]</td>
<td>Period Revival [ ]</td>
<td>Colonial Revival [ ]</td>
</tr>
<tr>
<td>Edwardian Classicism [ ]</td>
<td>Bungalow [ ]</td>
<td>Prairie/Four Square [ ]</td>
<td>Art Deco [ ]</td>
</tr>
<tr>
<td>Art Moderne [ ]</td>
<td>International [ ]</td>
<td>Victory Housing[ ]</td>
<td>'50's Contempo [ ]</td>
</tr>
<tr>
<td>Post Modern [ ]</td>
<td>Other: [ ]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Notable building features:

<table>
<thead>
<tr>
<th>Porch [ ]</th>
<th>Verandah [ ]</th>
<th>Door(s) [ ]</th>
<th>Window(s) [ ]</th>
<th>Sill(s) [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lintel(s) [ ]</td>
<td>Shutters [ ]</td>
<td>Quoins [ ]</td>
<td>Decorative barge board [ ]</td>
<td>Decorative cornice [ ]</td>
</tr>
<tr>
<td>Decorative woodwork [ ]</td>
<td>Finials [ ]</td>
<td>Spire/tower [ ]</td>
<td>Columns/pillasters [ ]</td>
<td>Other [ ]</td>
</tr>
</tbody>
</table>

#### Integrity:
- Much Altered [ ]  
- Altered [X]  
- Little altered [ ]

#### Historical associations:

Representative of worker's style housing in the North End/harbor area.

#### Associated cultural landscape:
- Brock Street
Street Address: 40 Brock Street

Feature type: 100 Residential [ X ] 200 Religious [ ] 300 Public/Institutional [ ]
400 Commercial [ ] 500 Industrial [ ] 600 Transpnn/Eng Wrks/Utilities [ ]
700 Farmstead [ ] 800 Other [ ]

Construction period: Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [X ] 1939-55 [ ] 1955-71[ ] Post 1970s [ ]

Date if known: ___________________ Builder/craftsperson if known: _______________________

Foundation construction material: Stone [ ] Brick [ ] Concrete [X ] Other ________________
Main building construction material: Brick [ ] Frame [X ] Stone [ ] Log [ ]
Other ________________

Building cladding: Wooden [ ] Type: __________________ Stone [ ] Stucco [ ]
Synthetic [X ] Other ________________

Roof construction material: Wood shingles [ ] Slate [ ] Asphalt [ X ] Asbestos [ ]
Other ________________

Storeys: One [X ] One-and-a-half [ ] Two [ ] Two-and-a-half [ ] Other [ ]

Roof type: Front gable [X ] Side gable [ ] Cross/Centre gabled [ ] Hip [ ] Other [ ]

Architecture:
Vernacular [ X ]
Influence/Architectural Style:
Georgian [ ] Neo-Classical [ ] Regency [ ] Classic Revival [ ]
Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]
Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]
Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]
Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]
Art Moderne [ ] International [ ] Victory Housing[ ] ‘50’s Contempo [ ]
Post Modern [ ] Other:

Notable building features: Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]
Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]
Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ]

Integrity: Much Altered [X ] Altered [ ] Little altered [ ]

Historical associations if known: Representative of worker’s type housing in the North End/harbor area.

Associated cultural heritage landscape: Brock Street
**Street Address:** 42 Brock Street  
**Given or popular name:**  

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential [X]</th>
<th>200 Religious [ ]</th>
<th>300 Public/Institutional [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>400 Commercial [ ]</td>
<td>500 Industrial [ ]</td>
<td>600 Transpnt/Eng Wrks/Utilities [ ]</td>
</tr>
<tr>
<td></td>
<td>700 Farmstead [ ]</td>
<td>800 Other [ ]</td>
<td></td>
</tr>
</tbody>
</table>

| Construction period | Pre-1867 [ ] | 1868-1900 [ ] | 1901-1939 [X] | 1939-55 [ ] | 1955-71 [ ] | Post 1970s [ ] |

| Date if known: | | | | | | |

| Builder/craftsperson if known: | | | | | | |

| Building Fabric: | Stone [ ] | Brick [ ] | Concrete [X] | Other [ ] |

| Foundation construction material: | Stone [ ] | Brick [ ] | Concrete [X] | Other [ ] |

| Main building construction material: | Brick [ ] | Frame [ ] | Stone [ ] | Log [ ] |

| Building cladding: | Wooden [ ] Type: | Stone [ ] | Stucco [ ] |

| Roof construction material: | Wood shingles [ ] | Slate [ ] | Asphalt [X] | Asbestos [ ] |

| Storeys: | One [X] | One-and-a-half [ ] | Two [ ] | Two-and-a-half [ ] | Other [ ] |

| Roof type: | Front gable [X] | Side gable [ ] | Cross/Centre gabled [ ] | Hip [ ] | Other [ ] |

| Architecture: | Vernacular [X] |

| Influence/Architectural Style: | Georgian [ ] | Neo-Classical [ ] | Regency [ ] | Classic Revival [ ] |

| Gothic Revival [ ] | Italian Villa [ ] | Italianate [ ] | Second Empire [ ] |

| Queen Anne [ ] | Romanesque Revival [ ] | Renaissance Revival [ ] | Chateau [ ] |

| Beaux-Arts Classicism [ ] | Neo-Gothic [ ] | Period Revival [ ] | Colonial Revival [ ] |

| Edwardian Classicism [ ] | Prairie/Four Square [ ] | Art Deco [ ] |

| Art Moderne [ ] | International [ ] | Victory Housing[ ] | '50's Contempo [ ] |

| Post Modern [ ] | Other [ ] |

| Notable building features: | Door(s) [ ] | Window(s) [ ] | Sill(s) [ ] |

| Lintel(s) [ ] | Shutters [ ] | Quoins [ ] | Decorative barge board [ ] | Decorative cornice [ ] |

| Decorative woodwork [ ] | Finials [ ] | Spire/tower [ ] | Columns/pilasters [ ] | Other [ ] |

| Integrity: | Much Altered [X] | Altered [ ] | Little altered [ ] |

| Historical associations if known: |

Modified, but form is representative of worker's type housing in the North End/harbor.

**Associated cultural heritage landscape:** Brock Street.
Project:  
Date of survey(s): October 28, 2013  
Recorder: L. Jones

Street Address: 44 Brock Street
Given or popular name: 

Feature type:  
100 Residential [ X ]  
200 Religious [ ]  
300 Public/Institutional [ ]  
400 Commercial [ ]  
500 Industrial [ ]  
600 Transpnt/Eng Wrks/Utilities [ ]  
700 Farmstead [ ]  
800 Other [ ]

Construction period: Pre-1867 [ ]  
1868-1900 [ ]  
1901-1939 [ ]  
1939-55 [ ]  
1955-71 [ X ]  
Post 1970s [ ]  
Date if known: ___________________
Builder crafts person if known: __________________________

Building Fabric:  
Foundation construction material:  
Stone [ ]  
Brick [ ]  
Concrete [ X ]  
Other__________

Main building construction material:  
Brick [ ]  
Frame [ X ]  
Stone [ ]  
Log [ ]  
Other__________

Building cladding:  
Wooden [ ]  
Type: ___________________________________________  
Stone [ ]  
Stucco [ ]  
Synthetic [ ]  
Other fabricated stone__________

Roof construction material:  
Wood shingles [ ]  
Slate [ ]  
Asphalt [ X ]  
Asbestos [ ]  
Other__________

Storeys:  
One [ X ]  
One-and-a-half [ ]  
Two [ ]  
Two-and-a-half [ ]  
Other__________

Roof type:  
Front gable [ ]  
Side gable [ ]  
Cross/Centre gabled [ ]  
Hip [ X ]  
Other__________

Architecture:  
Vernacular [ ]  

Influence/Architectural Style:  
Georgian [ ]  
Neo-Classical [ ]  
Regency [ ]  
Classic Revival [ ]  
Gothic Revival [ ]  
Italian Villa [ ]  
Italianate [ ]  
Second Empire [ ]  
Queen Anne [ ]  
Romanesque Revival [ ]  
Renaissance Revival [ ]  
Chateau [ ]  
Beaux-Arts Classicism [ ]  
Neo-Gothic [ ]  
Period Revival [ ]  
Colonial Revival [ ]  
Edwardian Classicism [ ]  
Bungalow [ ]  
Prairie/Four Square [ ]  
Art Deco [ ]  
Art Moderne [ ]  
International [ ]  
Victory Housing[ ]  
‘50’s Contempo [ ]  
Post Modern [ ]  
Other__________

Notable building features:  
Porch [ ]  
Verandah [ ]  
Door(s) [ ]  
Window(s) [ ]  
Sill(s) [ ]  
Lintel(s) [ ]  
Shutters [ ]  
Quoins [ ]  
Decorative barge board [ ]  
Decorative cornice [ ]  
Decorative woodwork [ ]  
Finials [ ]  
Spire/tower [ ]  
Columns/pilasters [ ]  
Other [ ]

Integrity:  
Much Altered [ ]  
Altered [ X ]  
Little altered [ ]

Historical associations if known:  
Associated cultural heritage landscape: Brock Street

MHBC: Built Heritage Resource Field Survey form
**Project:**
Date of survey(s): October 28, 2013  
Recorder: L. Jones

**Street Address:** 46 Brock Street

**Given or popular name:**

---

### Feature type:
- 100 Residential [X]
- 200 Religious [ ]
- 300 Public/Institutional [ ]
- 400 Commercial [ ]
- 500 Industrial [ ]
- 600 Transpnt/Eng Wrks/Utilities [ ]
- 700 Farmstead [ ]
- 800 Other [ ]

**Construction period:**
- Pre-1867 [ ]
- 1868-1900 [ ]
- 1901-1939 [X]
- 1939-55 [ ]
- 1955-71[ ]
- Post 1970s [ ]

Date if known: ___________________
Builder/Person if known: __________________________

---

**Building Fabric:**

#### Foundation construction material:
- Stone [ ]
- Brick [ ]
- Concrete [X]
- Other__________

#### Main building construction material:
- Brick [ ]
- Frame [X]
- Stone [ ]
- Log [ ]
- Other__________

#### Building cladding:
- Wooden [ ]
- Type:__________
- Stone [ ]
- Stucco [ ]
- Synthetic [X]
- Other__________

#### Roof construction material:
- Wood shingles [ ]
- Slate [ ]
- Asphalt [X]
- Asbestos [ ]
- Other__________

#### Storeys:
- One [ ]
- One-and-a-half [ ]
- Two [X]
- Two-and-a-half [ ]
- Other__________

#### Roof type:
- Front gable [X]
- Side gable [ ]
- Cross/Centre gabled [ ]
- Hip [ ]
- Other__________

---

**Architecture:**

### Vernacular [X]

### Influence/Architectural Style:
- Georgian [ ]
- Neo-Classical [ ]
- Regency [ ]
- Classic Revival [ ]
- Gothic Revival [ ]
- Italian Villa [ ]
- Italianate [ ]
- Second Empire [ ]
- Queen Anne [ ]
- Romanesque Revival [ ]
- Renaissance Revival [ ]
- Chateau [ ]
- Beaux-Arts Classicism [ ]
- Neo-Gothic [ ]
- Period Revival [ ]
- Colonial Revival [ ]
- Edwardian Classicism [ ]
- Bungalow [ ]
- Prairie/Four Square [ ]
- Art Deco [ ]
- Art Moderne [ ]
- International [ ]
- Victory Housing[ ]
- '50's Contempo [ ]
- Post Modern [ ]
- Other__________

---

### Notable building features:
- Porch [ ]
- Verandah [ ]
- Door(s) [ ]
- Window(s) [ ]
- Sill(s) [ ]
- Lintel(s) [ ]
- Shutters [ ]
- Quoins [ ]
- Decorative barge board [ ]
- Decorative cornice [ ]
- Decorative woodwork [ ]
- Finials [ ]
- Spire/tower [ ]
- Columns/pilasters [ ]
- Other [ ]

### Integrity:
- Much Altered [ ]
- Altered [X]
- Little altered [ ]

### Historical associations if known:
Representative of worker's type housing in the North End/harbour area.

---

**Associated cultural heritage landscape:** Brock Street
**Street Address:** 562 Catharine Street North (rear frontage on Mary Street North)

**Feature type:**
- 100 Residential
- 200 Religious
- 300 Public/Institutional
- 400 Commercial
- 500 Industrial
- 600 Transpn/Eng Wrks/Utilities
- 700 Farmstead
- 800 Other

**Construction period:**
- Pre-1867
- 1868-1900 [ ]
- 1901-1939 [ ]
- 1939-55 [ ]
- 1955-71 [ ]
- Post 1970s [ ]

**Building Fabric:**
- Foundation construction material:
  - Stone
  - Brick
  - Concrete
  - Other
- Main building construction material:
  - Brick
  - Frame
  - Stone
  - Log
  - Other

**Building cladding:**
- Wooden
- Type:
- Stone
- Stucco
- Synthetic
- Other

**Roof construction material:**
- Wood shingles
- Slate
- Asphalt
- Asbestos
- Other

**Storeys:**
- One
- One-and-a-half
- Two
- Two-and-a-half
- Other

**Roof type:**
- Front gable
- Side gable
- Cross/Centre gabled
- Hip
- Other

**Architecture:**
- Vernacular [ ]
- Influence/Architectural Style:
  - Georgian
  - Neo-Classical
  - Regency
  - Classic Revival
  - Gothic Revival
  - Italian Villa
  - Italianate
  - Second Empire
  - Queen Anne
  - Romanesque Revival
  - Renaissance Revival
  - Chateau
  - Beaux-Arts Classicism
  - Neo-Gothic
  - Period Revival
  - Colonial Revival
  - Edwardian Classicism
  - Bungalow
  - Prairie/Four Square
  - Art Deco
  - Art Modern
  - International
  - Victory Housing
  - ‘50’s Contempo
  - Post Modern
  - Other

**Notable building features:**
- Door(s)
- Window(s)
- Sill(s)
- Lintel(s)
- Shutters
- Quoins
- Decorative barge board
- Decorative cornice
- Decorative woodwork
- Finials
- Spire/tower
- Columns/pillasters
- Other

**Integrity:**
- Much Altered
- Altered [ ]
- Little altered [ ]

**Historical associations if known:**

In the 1940s, was G.W. Hendershott Corr. Printing co. Ltd.

**Associated cultural heritage landsca**
- Catharine Street
- Mary Street

MHBC: Built Heritage Resource Field Survey form
Project:                                      Date of survey(s): October 28, 2013  Recorder  L. Jones

Street Address:  586 Catharine Street North
Given or popular name: ______________________

Feature type:  100 Residential [ X ]  200 Religious [ ]  300 Public/Institutional [ ]
  400 Commercial [ ]  500 Industrial [ ]  600 Transpnt/Eng Wrks/Utilities [ ]
  700 Farmstead [ ]  800 Other [ ]

Construction period: Pre-1867 [ ]  1868-1900 [ X ]  1901-1939 [ ]  1939-55 [ ]
  1955-71[ ] Post 1970s [ ]

Date if known: ______________________  Builder/craftsman if known: ______________________

Building Fabric:

Foundation construction material: Stone [ ] Brick [ ] Concrete [ X ] Other_Possibly other material beneath____
Main building construction material: Brick [ ] Frame [ X ] Stone [ ] Log [ ]
Other_____________________

Building cladding:

Wooden [ ] Type: _______________ Stone [ ] Stucco [ ]
Synthetic [ X ] Other_____________________

Roof construction material:

Wood shingles [ ] Slate [ ] Asphalt [ X ] Asbestos [ ]
Other_____________________

Storeys: One [ ] One-and-a-half [ X ] Two [ ] Two-and-a-half [ ] Other____

Roof type: Front gable [ X ] Side gable [ ] Cross/Centre gabled [ ] Hip [ ] Other____

Architecture:

Vernacular [ X ]
Influence/Architectural Style:

Georgian [ ]  Neo-Classical [ ]  Regency [ ]  Classic Revival [ ]
Gothic Revival [ ]  Italian Villa [ ]  Italianate [ ]  Second Empire [ ]
Queen Anne [ ]  Romanesque Revival [ ]  Renaissance Revival [ ]  Chateau [ ]
Beaux-Arts Classicism [ ]  Neo-Gothic [ ]  Period Revival [ ]  Colonial Revival [ ]
Edwardian Classicism [ ]  Bungalow [ ]  Prairie/Four Square [ ]  Art Deco [ ]
Art Moderne [ ]  International [ ]  Victory Housing[ ] ‘50’s Contempo [ ]
Post Modern [ ]  Other____

Notable building features: Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]
Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]
Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ]

Integrity: Much Altered [ X ] Altered [ ] Little altered [ ]

Historical associations if known:

Representative of worker’s type housing in the North End/harbor area.

Associated cultural heritage landscape: Catharine Street

MHBC: Built Heritage Resource Field Survey form
### Project:
Date of survey(s): October 28, 2013
Recorder: L. Jones

<table>
<thead>
<tr>
<th>Street Address:</th>
<th>589-591 Catharine Street North</th>
</tr>
</thead>
<tbody>
<tr>
<td>Given or popular name:</td>
<td></td>
</tr>
</tbody>
</table>

**MHBC: Built Heritage Resource Field Survey form**

- **Feature type:**
  - 100 Residential [x]
  - 200 Religious [ ]
  - 300 Public/Institutional [ ]
  - 400 Commercial [ ]
  - 500 Industrial [ ]
  - 600 Transp/Eng Wrks/Utilities [ ]
  - 700 Farmstead [ ]
  - 800 Other [ ]

- **Construction period:**
  - Pre-1867 [ ]
  - 1868-1900 [ ]
  - 1901-1939 [x]
  - 1939-55 [ ]
  - 1955-71 [ ]
  - Post 1970s [ ]

- **Date if known:**
- **Builder/craftsperson if known:**

| Building Fabric:
|------------------|
| Foundation construction material: Stone [ ]
| Brick [ ]
| Concrete [x]
| Other__________|
| Main building construction material: Brick [ ]
| Frame [x]
| Stone [ ]
| Log [ ]
| Other__________|

| Building cladding:
|------------------|
| Wooden [ ]
| Type: Stone [ ]
| Stucco [ ]
| Synthetic [x]
| Other__________|

| Roof construction material:
|------------------|
| Wood shingles [ ]
| Slate [ ]
| Asphalt [ ]
| Asbestos [ ]
| Other__________|

| Storeys:
|--------|
| One [ ]
| One-and-a-half [ ]
| Two [ ]
| Two-and-a-half [x]
| Other__________|

| Roof type:
|-----------|
| Front gable [ ]
| Side gable [ ]
| Cross/Centre gabled [ ]
| Hip [x]
| Other__________|

- **Architecture:**
  - Vernacular [ ]
  - Neo-Classical [ ]
  - Regency [ ]
  - Classic Revival [ ]
  - Italian Villa [ ]
  - Italianate [ ]
  - Second Empire [ ]
  - Romanesque Revival [ ]
  - Renaissance Revival [ ]
  - Chateau [ ]
  - Neo-Gothic [ ]
  - Period Revival [ ]
  - Colonial Revival [ ]
  - Prairie/Four Square [ ]
  - Art Deco [ ]
  - International [ ]
  - Victory Housing[ ]
  - '50's Contempo [ ]
  - Post Modern [ ]
  - Other:__________|

| Notable building features:
|--------------------------|
| Porch [ ]
| Verandah [ ]
| Door(s) [ ]
| Window(s) [ ]
| Sill(s) [ ]
| Shutters [ ]
| Quoins [ ]
| Decorative barge board [ ]
| Decorative cornice [ ]
| Decorative woodwork [ ]
| Finials [ ]
| Spire/tower [ ]
| Columns/pilasters [ ]
| Other [ ]

- **Integrity:**
  - Much Altered [x]
  - Altered [ ]
  - Little altered [ ]

**Historical associations if known:**

Duplex. Representative of worker’s type housing in North End/harbor area.

**Associated cultural heritage landscape:**

Catharine Street
Street Address: 595 Catharine Street North
Given or popular name: Navy League/Sea Cadets

| Feature type: | 100 Residential [X] | 200 Religious [ ] | 300 Public/Institutional [ ] |
|              | 400 Commercial [ ]  | 500 Industrial [ ] | 600 Transpn/Eng Wrks/Utilities [ ] |
|              | 700 Farmstead [ ]   | 800 Other [X]    |                               |

Construction period:
- Pre-1867 [ ]
- 1868-1900 [ ]
- 1901-1939 [ ]
- 1939-55 [ ]
- 1955-71 [X]
- Post 1970s [ ]

Date if known: __________________ Builder/craftsperson if known: ________________________

Building Fabric:
Foundation construction material: Stone [X]  Brick [ ]  Concrete [X]  Other
Main building construction material: Brick [ ]  Frame [X]  Stone [ ]  Log [ ]  Other
Builder cladding:
- Wooden [ ]
- Synthetic [X]  Other
Roof construction material:
- Wood shingles [ ]  Slate [ ]  Asphalt [ ]  Asbestos [ ]
- Other [X]  Metal
Storeys: One [ ]  One-and-a-half [ ]  Two [X]  Two-and-a-half [ ]  Other
Roof type:
- Front gable [ ]  Side gable [X]  Cross/Centre gabled [ ]  Hip [ ]  Other [ ]

Architecture:
- Vernacular [X]

Influence Architectural Style:
- Georgian [ ]
- Gothic Revival [ ]
- Italian Villa [ ]
- Neo-Gothic [ ]
- Bungalow [ ]
- International [ ]
- Neo-Classical [ ]
- Italianate [ ]
- Renaissance Revival [ ]
- Romanesque Revival [ ]
- Pilaster [ ]
- Prairie/Four Square [ ]
- Revival [X]
- Second Empire [ ]
- Classic Revival [ ]
- Classic Revival [ ]
- Chateau [ ]
- Colonial Revival [ ]
- ‘50’s Contempo [ ]
- Period Revival [ ]
- Art Deco [ ]
- Renaissance Revival [ ]
- Post Modern [ ]

Notable building features:
- Porch [ ]
- Verandah [ ]
- Door(s) [ ]
- Window(s) [ ]
- Sill(s) [ ]
- Shutters [ ]
- Quoins [ ]
- Decorative barge board [ ]
- Decorative cornice [ ]
- Finials [ ]
- Spire/tower [ ]
- Columns/pillasters [ ]
- Other [ ]

Integrity: Much Altered [ ]  Altered [X]  Little altered [ ]

Historical associations:
The building has associative value as it is associated with the Navy Leage and Sea Cadets programs. These programs have evolved since the late 1890s, to engage youth in marine and military related activities.

Associated cultural heritage landscape: Catharine Street North
Project: [Blank]
Date of survey(s): October 28, 2013  Recorder  L. Jones

Street Address: 650 Catharine Street North
Given or popular name: Canadian Forces Reserve Base, formerly H.M.C.S. Star

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential</th>
<th>200 Religious</th>
<th>300 Public/Institutional</th>
<th>400 Commercial</th>
<th>500 Industrial</th>
<th>600 Transp/Eng Wrks/Utilities</th>
<th>700 Farmstead</th>
<th>800 Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Construction period</td>
<td>Pre-1867 [ ]</td>
<td>1868-1900 [ ]</td>
<td>1901-1939 [ ]</td>
<td>1939-55 [ X ]</td>
<td>1955-71 [ ]</td>
<td>Post 1970s [ X ]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date if known</td>
<td>1943 [ ]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Builder/craftsperson if known</td>
<td>[Blank]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Building Fabric:</th>
</tr>
</thead>
</table>
| Foundation construcltion material: Stone [ ]  Brick [ ]  Concrete [ X ]  Other [ ]
| Main building construction material: Brick [ ]  Frame [ X ]  Stone [ ]  Log [ ]  Other [ ]  Steel [ ]
| Building cladding: Wooden [ ]  Type: Stone [ ]  Stucco [ ]  Synthetic [ ]  Other: Asbestos, Brick [ ]
| Roof construction material: Wood shingles [ ]  Slate [ ]  Asphalt [ X ]  Asbestos [ X ]  Other [ ]
| Storeys: One [ ]  One-and-a-half [ ]  Two [ ]  Two-and-a-half [ ]  Other [ ]
| Roof type: Front gable [ ]  Side gable [ ]  Cross/Centre gabled [ ]  Hip [ ]  Other [ ]

Architecture:
Vernacular [ X ]
Influence Architectural Style:
Georgian [ ]  Neo-Classical [ ]  Regency [ ]  Classic Revival [ ]
Gothic Revival [ ]  Italian Villa [ ]  Italianate [ ]  Second Empire [ ]
Queen Anne [ ]  Romanesque Revival [ ]  Renaissance Revival [ ]  Chateau [ ]
Beaux-Arts Classicism [ ]  Neo-Gothic [ ]  Period Revival [ ]  Colonial Revival [ ]
Edwardian Classicism [ ]  Bungalow [ ]  Prairie/Four Square [ ]  Art Deco [ ]
Art Moderne [ ]  International [ ]  Victory Housing [ ]  ‘50’s Contempo [ ]
Post Modern [ ]  Other: [ ]

Notable building features: Porch [ ]  Verandah [ ]  Door(s) [ ]  Window(s) [ ]  Sill(s) [ ]
Lintel(s) [ ]  Shutters [ ]  Quoins [ ]  Decorative barge board [ ]  Decorative cornice [ ]
Decorative woodwork [ ]  Finials [ ]  Spire/tower [ ]  Columns/pillasters [ ]  Other [ ]

Integrity: Much Altered [ ]  Altered [ X ]  Little altered [ ]

Historical associations if known:
This property is the Canadian Forces Reserve Base, constructed with buildings constructed in the early 1940s as the H.M.C.S Star. The facility was constructed as one of nine new bases built between 1939 and 1945, to recruit and train for the Canadian Navy during the Second World War. The site was expanded by the 1960s to house the Commander Officer Naval Division and the Great Lakes Training Centre, and was the national headquarters for the Naval Reserve's training and administration. It included the H.M.S.C. Star, Sea Cadet squadron and Hamilton Service Battalion.
### Project:
Date of survey(s): October 28, 2013
Recorder: L. Jones

### Street Address:
659 Catharine Street

Given or popular name: Boat maintenance building

### Feature type:
- 100 Residential
- 200 Religious
- 300 Public/Institutional
- 400 Commercial
- 500 Industrial
- 600 Transpn/Eng Wrks/Utilities
- 700 Farmstead
- 800 Other

### Construction period:
- Pre-1867
- 1868-1900
- 1901-1939
- 1939-55
- 1955-71
- Post 1970s

### Date if known:

### Builder/craftsperson if known:

### Building Fabric:
Foundation construction material:
- Stone
- Brick
- Concrete
- Other: unknown

Main building construction material:
- Brick
- Frame
- Stone
- Log
- Other: Steel

Building cladding:
- Wooden
- Type: ____________________
- Stone
- Stucco
- Synthetic
- Other: Metal

Roof construction material:
- Wood shingles
- Slate
- Asphalt
- Asbestos
- Other: Metal

### Storeys:
- One
- One-and-a-half
- Two
- Two-and-a-half
- Other

### Roof type:
- Front gable
- Side gable
- Cross/Centre gabled
- Hip
- Other:

### Architecture:
Vernacular

Influence/Architectural Style:
- Georgian
- Neo-Classical
- Regency
- Classic Revival
- Gothic Revival
- Italian Villa
- Italianate
- Second Empire
- Queen Anne
- Romanesque Revival
- Renaissance Revival
- Chateau
- Beaux-Arts Classicism
- Neo-Gothic
- Period Revival
- Colonial Revival
- Edwardian Classicism
- Bungalow
- Prairie/Four Square
- Art Deco
- Art Moderne
- International
- Victory Housing
- '50's Contempo
- Post Modern
- Other:

### Notable building features:
- Porch
- Verandah
- Door(s)
- Window(s)
- Sill(s)
- Shutters
- Quoins
- Decorative barge board
- Decorative cornice
- Decorative woodwork
- Finials
- Spire/tower
- Columns/pilasters
- Other

### Integrity:
- Much Altered
- Altered
- Little altered

### Historical associations if known:
A building of this size and shape appear on maps from the early 20th century onwards. The building demonstrates associative value, due to its historical associations with continued harbour development in the 20th century.

### Associated cultural landscape:
- Catharine Street/harbour
Street Address: 695 Catharine Street North
Given or popular name: Marine Freight Terminal

Feature type: 100 Residential [ ] 200 Religious [ ] 300 Public/Institutional [ ]
400 Commercial [ ] 500 Industrial [ ] 600 Transptn/Eng Wrks/Utilities [ ]
700 Farmstead [ ] 800 Other [ X ]

Construction period: Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [ ] 1939-55 [ ] 1955-71 [ X ] Post 1970s [ ]

Date if known: Builder/crafts person if known:

Building Fabric:
Foundation construction material: Stone [ ] Brick [ ] Concrete [ X ] Other _______
Main building construction material: Brick [ ] Frame [ ] Stone [ ] Log [ ]
Other unknown
Building cladding:
Wooden [ ] Type: __________ Stone [ ] Stucco [ ]
Synthetic [ ] Other_Brick, metal
Other_Metal
Roof construction material:
Wood shingles [ ] Slate [ ] Asphalt [ ] Asbestos [ ]
Other__Metal

Storeys:
One [ ] One-and-a-half [ ] Two [ X ] Two-and-a-half [ ] Other ____

Roof type:
Front gable [ X ] Side gable [ ] Cross/Centre gabled [ ] Hip [ ] Other____

Architecture:
Vernacular [ X ]

Influence Architectural Style:
Georgian [ ] Neo-Classical [ ] Regency [ ] Classic Revival [ ]
Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]
Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]
Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]
Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]
Art Moderne [ ] International [ ] Victory Housing[ ] ‘50’s Contempo [ ]
Post Modern [ ] Other:

Notable building features:
Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]
Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]
Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pillasters [ ] Other [ ]

Integrity: Much Altered [ ] Altered [ X ] Little altered [ ]

Historical associations:
Associated with harbor development after fill expansion of Pier 8. Formerly Harbour Masters Office.

Associated cultural heritage landscape: Pier 8
Street Address: 565 Mary Street North

**Feature type:**
- 100 Residential [X]
- 200 Religious [ ]
- 300 Public/Institutional [ ]
- 400 Commercial [ ]
- 500 Industrial [ ]
- 600 Transpnt/Eng Wrks/Utilities [ ]
- 700 Farmstead [ ]
- 800 Other [ ]

**Construction period:**
- Pre-1867 [ ]
- 1868-1900 [ ]
- 1901-1939 [X]
- 1939-55 [ ]
- 1955-71 [ ]
- Post 1970s [ ]

**Buildings Fabric:**
- **Foundation construction material:**
  - Stone [ ]
  - Brick [ ]
  - Concrete [X]
  - Other [ ]
- **Main building construction material:**
  - Frame [X]
  - Stone [ ]
  - Log [ ]
  - Other [ ]
- **Building cladding:**
  - Wooden [ ]
  - Type: Stucco [ ]
  - Synthetic [X]
  - Other [ ]
- **Roof construction material:**
  - Wood shingles [ ]
  - Slate [ ]
  - Asphalt [X]
  - Asbestos [ ]
  - Other [ ]

**Storeys:**
- One [ ]
- One-and-a-half [ ]
- Two [ ]
- Two-and-a-half [X]
- Other [ ]

**Roof type:**
- Front gable [X]
- Side gable [ ]
- Cross/Centre gabled [ ]
- Hip [ ]
- Other [ ]

**Architecture:**
- Vernacular [X]

**Influence Architectural Style:**
- Georgian [ ]
- Gothic Revival [ ]
- Italian Villa [ ]
- Neo-Gothic [ ]
- Renaissance Revival [ ]
- Romanesque Revival [ ]
- Regency [ ]
- Second Empire [ ]
- Neo-Classic [ ]
- Period Revival [ ]
- Colonial Revival [ ]
- Classic Revival [ ]
- Victorian [ ]
- ‘50’s Contempo [ ]

**Notable building features:**
- Porch [ ]
- Verandah [ ]
- Door(s) [ ]
- Window(s) [ ]
- Sill(s) [ ]
- Shutters [ ]
- Quoins [ ]
- Decorative barge board [ ]
- Decorative cornice [ ]
- Finials [ ]
- Spire/tower [ ]
- Columns/pillasters [ ]
- Other [ ]

**Integrity:**
- Much Altered [ ]
- Altered [X]
- Little altered [ ]

**Historical associations if known:**
Representative of worker's type housing in the North End/harbor area.
Street Address: 529 Mary Street North
Given or popular name: Eastwood Variety

Feature type: 100 Residential [ ] 200 Religious [ ] 300 Public/Institutional [ ]
400 Commercial [ X ] 500 Industrial [ ] 600 Transpnt/Eng Wrks/Utilities [ ]
700 Farmstead [ ] 800 Other [ ]

Construction period: Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [ X ] 1939-55 [ ] 1955-71 [ ] Post 1970s [ ]
Date if known:___________________ Builder/craftsperson if known:________________________

Building Fabric:
Foundation construction material: Stone [ ] Brick [ ] Concrete [ ] Other__________
Main building construction material: Brick [ ] Frame [ X ] Stone [ ] Log [ ]
Other__________
Building cladding:
Wooden [ ] Type: Brick Stone [ ] Stucco [ ]
Synthetic [ ] Other__________
Roof construction material:
Wood shingles [ ] Slate [ ] Asphalt [ ] Asbestos [ ]
Other Not known__________
Storeys: One [ ] One-and-a-half [ ] Two [ X ] Two-and-a-half [ ] Other__________
Roof type: Front gable [ ] Side gable [ ] Cross/Centre gabled [ ] Hip [ ] Other Flat__________

Architecture:
Vernacular [ X ]
Influence Architectural Style:
Georgian [ ] Neo-Classical [ ] Regency [ ] Classic Revival [ ]
Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]
Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]
Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]
Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]
Art Moderne [ ] International [ ] Victory Housing[ ] ‘50’s Contempo [ ]
Post Modern [ ] Other__________

Notable building features: Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]
Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ X ]
Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ]

Integrity: Much Altered [ ] Altered [ X ] Little altered [ ]

Historical associations if known:
Associated with early 20th century development of the North End

Associated cultural heritage landscape: Burlington Street/ Mary Street
**Street Address:** 567 Mary Street North  
**Given or popular name:**

<table>
<thead>
<tr>
<th>Feature type:</th>
<th>100 Residential [X]</th>
<th>200 Religious [ ]</th>
<th>300 Public/Institutional [ ]</th>
<th>400 Commercial [ ]</th>
<th>500 Industrial [ ]</th>
<th>600 Transpnt/Eng Wrks/Utilities [ ]</th>
<th>700 Farmstead [ ]</th>
<th>800 Other [ ]</th>
</tr>
</thead>
</table>

**Construction period:** Pre-1867 [ ] | 1868-1900 [ ] | 1901-1939 [X] | 1939-55 [ ] | 1955-71[ ] | Post 1970s [ ]

**Date if known:**

**Builder/craftsperson if known:**

<table>
<thead>
<tr>
<th>Building Fabric:</th>
<th>Foundation construction material:</th>
<th>Stone [ ]</th>
<th>Brick [ ]</th>
<th>Concrete [X]</th>
<th>Other [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main building construction material:</td>
<td>Brick [ ]</td>
<td>Frame [X]</td>
<td>Stone [ ]</td>
<td>Log [ ]</td>
<td></td>
</tr>
<tr>
<td>Other [ ]</td>
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</table>

<table>
<thead>
<tr>
<th>Building cladding:</th>
<th>Roof construction material:</th>
<th>Wood shingles [ ]</th>
<th>Slate [ ]</th>
<th>Asphalt [X]</th>
<th>Asbestos [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synthetic [X] Other [ ]</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Storeys:</th>
<th>One [ ]</th>
<th>One-and-a-half [ ]</th>
<th>Two [ ]</th>
<th>Two-and-a-half [X]</th>
<th>Other [ ]</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Roof type:</th>
<th>Front gable [X]</th>
<th>Side gable [ ]</th>
<th>Cross/Centre gabled [ ]</th>
<th>Hip [ ]</th>
<th>Other [ ]</th>
</tr>
</thead>
</table>

**Architecture:**

**Vernacular [X]**

**Influence/Architectural Style:**

<table>
<thead>
<tr>
<th>Georgian [ ]</th>
<th>Neo-Classical [ ]</th>
<th>Regency [ ]</th>
<th>Classic Revival [ ]</th>
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</thead>
<tbody>
<tr>
<td>Gothic Revival [ ]</td>
<td>Italian Villa [ ]</td>
<td>Italianate [ ]</td>
<td>Second Empire [ ]</td>
</tr>
<tr>
<td>Queen Anne [ ]</td>
<td>Romanesque Revival [ ]</td>
<td>Renaissance Revival [ ]</td>
<td>Chateau [ ]</td>
</tr>
<tr>
<td>Beaux-Arts Classicism [ ]</td>
<td>Neo-Gothic [ ]</td>
<td>Period Revival [ ]</td>
<td>Colonial Revival [ ]</td>
</tr>
<tr>
<td>Edwardian Classicism [ ]</td>
<td>Bungalow [ ]</td>
<td>Prairie/Four Square [ ]</td>
<td>Art Deco [ ]</td>
</tr>
<tr>
<td>Art Moderne [ ]</td>
<td>International [ ]</td>
<td>Victory Housing[ ]</td>
<td>‘50’s Contempo [ ]</td>
</tr>
<tr>
<td>Post Modern [ ]</td>
<td>Other [ ]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Notable building features:**

<table>
<thead>
<tr>
<th>Porch [ ]</th>
<th>Verandah [ ]</th>
<th>Door(s) [ ]</th>
<th>Window(s) [ ]</th>
<th>Sill(s) [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shutters [ ]</td>
<td>Quoins [ ]</td>
<td>Decorative barge board [ ]</td>
<td>Decorative cornice [ ]</td>
<td></td>
</tr>
<tr>
<td>Decorative woodwork [ ]</td>
<td>Finials [ ]</td>
<td>Spire/tower [ ]</td>
<td>Columns/pilasters [ ]</td>
<td>Other [ ]</td>
</tr>
</tbody>
</table>

**Integrity:**

<table>
<thead>
<tr>
<th>Much Altered [ ]</th>
<th>Altered [X]</th>
<th>Little altered [ ]</th>
</tr>
</thead>
</table>

**Historical associations If known:**

Representative of worker's type housing in the North End/harbor area.

**Associated cultural heritage landscape:** Mary Street
### Street Address:
569 Mary Street North

**Given or popular name:**

---

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential [ X  ]</th>
<th>200 Religious [ ]</th>
<th>300 Public/Institutional [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>400 Commercial [ ]</td>
<td>500 Industrial [ ]</td>
<td>600 Transp/Eng Wrks/Utilities [ ]</td>
</tr>
<tr>
<td></td>
<td>700 Farmstead [ ]</td>
<td>800 Other [ ]</td>
<td></td>
</tr>
</tbody>
</table>

**Construction period:**
- Pre-1867 [  ]
- 1868-1900 [ ]
- 1901-1939 [ X ]
- 1939-55 [  ]
- 1955-71[  ]
- Post 1970s [ ]

**Date if known:**

**Builder/craftsperson if known:**

---

<table>
<thead>
<tr>
<th>Building Fabric</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation construction material: Stone [ ] Brick [ ] Concrete [ X ] Other [ ]</td>
</tr>
<tr>
<td>Main building construction material: Brick [ ] Frame [ ] Stone [ ] Log [ ]</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Building cladding</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wooden [ ] Type: [ ] Stone [ ] Stucco [ ] Synthetic [ ] Other [ ]</td>
</tr>
</tbody>
</table>

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<table>
<thead>
<tr>
<th>Roof construction material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood shingles [ ] Slate [ ] Asphalt [ X ] Asbestos [ ]</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Storeys</th>
</tr>
</thead>
<tbody>
<tr>
<td>One [ ] One-and-a-half [ ] Two [ ] Two-and-a-half [ X ] Other [ ]</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Roof type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front gable [ X ] Side gable [ ] Cross/Centre gabled [ ] Hip [ ] Other [ ]</td>
</tr>
</tbody>
</table>

---

### Architecture:
- Vernacular [ X ]

**Influence Architectural Style:**
- Georgian [ ]
- Neo-Classical [ ]
- Regency [ ]
- Classic Revival [ ]
- Gothic Revival [ ]
- Italian Villa [ ]
- Italianate [ ]
- Second Empire [ ]
- Queen Anne [ ]
- Romanesque Revival [ ]
- Renaissance Revival [ ]
- Chateau [ ]
- Beaux-Arts Classicism [ ]
- Neo-Gothic [ ]
- Period Revival [ ]
- Colonial Revival [ ]
- Edwardian Classicism [ ]
- Bungalow [ ]
- Prairie/Four Square [ ]
- Art Deco [ ]
- Art Moderne [ ]
- International [ ]
- Victory Housing [ ]
- ‘50’s Contempo [ ]
- Post Modern [ ]

---

### Notable building features:

| Door(s) [ ] Window(s) [ ] Sill(s) [ ]
|------|------|------|
| Verandah [ ] Finials [ ] Spire/tower [ ]
| Porch [ ] Shutters [ ] Quoins [ ]
| Lintel(s) [ ] Decorative barge board [ ] Columns/pillasters [ ]
| Decorative woodwork [ ] Decorative cornice [ ]

---

**Integrity:** Much Altered [ X ] Altered [ ] Little altered [ ]

---

**Historical associations if known:**

Representative of worker's type housing in the North End/harbor area.

---

**Associated cultural heritage landscape:** Mary Street
**Street Address:** 571 Mary Street North  
**Given or popular name:**

<table>
<thead>
<tr>
<th>Feature type:</th>
<th>100 Residential [X]</th>
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<th>300 Public/Institutional [ ]</th>
<th>400 Commercial [ ]</th>
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<th>600 Transpnt/Eng Wrks/Utilities [ ]</th>
<th>700 Farmstead [ ]</th>
<th>800 Other [ ]</th>
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</thead>
<tbody>
<tr>
<td>Construction period:</td>
<td>Pre-1867 [ ]</td>
<td>1868-1900 [ ]</td>
<td>1901-1939 [X]</td>
<td>1939-55 [ ]</td>
<td>1955-71 [ ]</td>
<td>Post 1970s [ ]</td>
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<td>Date if known:</td>
<td>_____________________</td>
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<tr>
<td>Builder/craftsperson if known:</td>
<td>__________________________</td>
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</table>

<table>
<thead>
<tr>
<th>Building Fabric:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation construction material: Stone [ ] Brick [ ] Concrete [X] Other [ ]</td>
</tr>
<tr>
<td>Main building construction material: Brick [ ] Frame [ ] Concrete [X] Stone [ ] Log [ ] Other [ ]</td>
</tr>
<tr>
<td>Building cladding:</td>
</tr>
<tr>
<td>Roof construction material: Wood shingles [ ] Slate [ ] Asphalt [X] Asbestos [ ] Other [ ]</td>
</tr>
<tr>
<td>Storeys:</td>
</tr>
<tr>
<td>Roof type:</td>
</tr>
</tbody>
</table>

**Architecture:**

<table>
<thead>
<tr>
<th>Vernacular [X]</th>
<th>Neo-Classical [ ]</th>
<th>Regency [ ]</th>
<th>Classic Revival [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gothic Revival [ ]</td>
<td>Italian Villa [ ]</td>
<td>Italianate [ ]</td>
<td>Second Empire [ ]</td>
</tr>
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<td>Queen Anne [ ]</td>
<td>Romanesque Revival [ ]</td>
<td>Renaissance Revival [ ]</td>
<td>Chateau [ ]</td>
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<tr>
<td>Beaux-Arts Classicism [ ]</td>
<td>Neo-Gothic [ ]</td>
<td>Period Revival [ ]</td>
<td>Colonial Revival [ ]</td>
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<tr>
<td>Edwardian Classicism [ ]</td>
<td>Bungalow [ ]</td>
<td>Prairie/Four Square [ ]</td>
<td>Art Deco [ ]</td>
</tr>
<tr>
<td>Art Moderne [ ]</td>
<td>International [ ]</td>
<td>Victory Housing[ ]</td>
<td>'50's Contempo [ ]</td>
</tr>
<tr>
<td>Post Modern [ ]</td>
<td>Other: [ ]</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Notable building features: | Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ] Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ] Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pillasters [ ] Other [ ] |
|--------------------------|-----------------|---------------|-------------------|-----------------|------------------|-----------------|-----------------|-----------------|----------------|-----------------|----------------|-----------------|-----------------|-------------------|

**Integrity:** Much Altered [ ] Altered [X] Little altered [ ]

**Historical associations:**

Representative of worker's type housing in the North End/harbor area.

**Associated cultural landscape:** Mary Street
Street Address: 573 Mary Street
Given or popular name:

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential</th>
<th>200 Religious</th>
<th>300 Public/Institutional</th>
<th>400 Commercial</th>
<th>500 Industrial</th>
<th>600 Transpnt/Eng Wrks/Utilities</th>
<th>700 Farmstead</th>
<th>800 Other</th>
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</thead>
<tbody>
<tr>
<td>Construction period</td>
<td>Pre-1867</td>
<td>1868-1900</td>
<td>1901-1939</td>
<td>1939-55</td>
<td>1955-71</td>
<td>Post 1970s</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date if known</td>
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<td></td>
</tr>
<tr>
<td>Builder/crafts person</td>
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<td>Building Fabric</td>
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<td>Concrete</td>
<td>Other</td>
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<td>Main building construction material</td>
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<td>Frame</td>
<td>Stone</td>
<td>Log</td>
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<td>Other</td>
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<td>Roof construction material</td>
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<td>Slate</td>
<td>Asphalt</td>
<td>Asbestos</td>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Storeys</td>
<td>One</td>
<td>One-and-a-half</td>
<td>Two</td>
<td>Two-and-a-half</td>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roof type</td>
<td>Front gable</td>
<td>Side gable</td>
<td>Cross/Centre gabled</td>
<td>Hip</td>
<td>Other</td>
<td></td>
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<tr>
<td>Architecture</td>
<td>Vernacular</td>
<td>Neo-Classical</td>
<td>Regency</td>
<td>Classic Revival</td>
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<tr>
<td>Influence/Architectural Style</td>
<td>Gothic Revival</td>
<td>Italian Villa</td>
<td>Italianate</td>
<td>Second Empire</td>
<td></td>
<td></td>
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<tr>
<td>Queen Anne</td>
<td>Romanesque Revival</td>
<td>Renaissance Revival</td>
<td>Chateau</td>
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<td></td>
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<tr>
<td>Beaux-arts Classicism</td>
<td>Neo-Gothic</td>
<td>Period Revival</td>
<td>Colonial Revival</td>
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<tr>
<td>Edwardian Classicism</td>
<td>Bungalow</td>
<td>Prairie/Four Square</td>
<td>Art Deco</td>
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</tr>
<tr>
<td>Art Moderne</td>
<td>International</td>
<td>Victory Housing</td>
<td>'50's Contempo</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Post Modern</td>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Notable building features</td>
<td>Porch</td>
<td>Verandah</td>
<td>Door(s)</td>
<td>Window(s)</td>
<td>Sill(s)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lintel(s)</td>
<td>Shutters</td>
<td>Quoins</td>
<td>Decorative barge board</td>
<td>Decorative cornice</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decorative woodwork</td>
<td>Finials</td>
<td>Spire/tower</td>
<td>Columns/pilasters</td>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Integrity</td>
<td>Much Altered</td>
<td>Altered</td>
<td>Little altered</td>
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<td></td>
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<td>Associated cultural heritage landscape</td>
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</tr>
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</table>

Representative of worker's type housing in the North End/harbor area.
### MHBC: Built Heritage Resource Field Survey form

**Street Address:** 575 Mary Street North  
**Given or popular name:**

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential [X]</th>
<th>200 Religious [ ]</th>
<th>300 Public/Institutional [ ]</th>
<th>400 Commercial [ ]</th>
<th>500 Industrial [ ]</th>
<th>600 Transptn/Eng Wrks/Utilities [ ]</th>
<th>700 Farmstead [ ]</th>
<th>800 Other [ ]</th>
</tr>
</thead>
</table>

**Construction period:** Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [X] 1939-55 [ ] 1955-71[ ] Post 1970s [ ]

**Date if known:**

**Builder/craftsman if known:**

**Building Fabric:**

- **Foundation construction material:** Stone [ ] Brick [ ] Concrete [X] Other [ ]
- **Main building construction material:** Brick [ ] Frame [X] Stone [ ] Log [ ] Other [ ]
- **Building cladding:** Wooden [ ] Type: [ ] Stone [ ] Stucco [ ] Synthetic [X] Other [ ]
- **Roof construction material:** Wood shingles [X] Slate [ ] Asphalt [ ] Asbestos [ ] Other [ ]

<table>
<thead>
<tr>
<th>Storeys</th>
<th>One [ ]</th>
<th>One-and-a-half [ ]</th>
<th>Two [X]</th>
<th>Two-and-a-half [ ]</th>
<th>Other [ ]</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Roof type</th>
<th>Front gable [X]</th>
<th>Side gable [ ]</th>
<th>Cross/Centre gabled [ ]</th>
<th>Hip [ ]</th>
<th>Other [ ]</th>
</tr>
</thead>
</table>

**Architecture:**

- Vernacular [X]

**Influence/Architectural Style:**

- Georgian [ ] Neo-Classical [ ] Regency [ ] Classic Revival [ ]
- Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]
- Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]
- Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]
- Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]
- Art Moderne [ ] International [ ] Victory Housing[ ] ‘50’s Contempo [ ]
- Post Modern [ ] Other [ ]

**Notable building features:**

- Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]
- Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]
- Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ]

- Integrity: Much Altered [X] | Altered [ ] | Little altered [ ]

**Historical associations if known:**

Representative of worker’s type housing in the North End/harbor area.

**Associated cultural landscape:** Mary Street.
**Street Address:** 577 Mary Street North  

**Given or popular name:**

---

**Feature type:**  
- 100 Residential [X]  
- 200 Religious [ ]  
- 300 Public/Institutional [ ]  
- 400 Commercial [ ]  
- 500 Industrial [ ]  
- 600 Transpnt/Eng Wrks/Utilities [ ]  
- 700 Farmstead [ ]  
- 800 Other [ ]

**Construction period:**  
- Pre-1867 [ ]  
- 1868-1900 [ ]  
- 1901-1939 [X]  
- 1939-55 [ ]  
- 1955-71[ ]  
- Post 1970s [ ]

**Date if known:** __________________  
**Builder/craftsperson if known:** __________________________

**Building Fabric:**
- Foundation construction material:  
  - Stone [ ]  
  - Brick [ ]  
  - Concrete [X]  
  - Other ________

- Main building construction material:  
  - Brick [ ]  
  - Frame [X]  
  - Stone [ ]  
  - Log [ ]  
  - Other ________

- Building cladding:  
  - Wooden [ ]  
  - Type: ________
  - Stone [ ]  
  - Stucco [ ]  
  - Synthetic [X]  
  - Other ________

- Roof construction material:  
  - Wood shingles [ ]  
  - Slate [ ]  
  - Asphalt [X]  
  - Asbestos [ ]  
  - Other ________

**Storeys:**  
- One [ ]  
- One-and-a-half [ ]  
- Two [X]  
- Two-and-a-half [ ]  
- Other ________

**Roof type:**  
- Front gable [X]  
- Side gable [ ]  
- Cross/Centre gabled [ ]  
- Hip [ ]  
- Other ________

**Architecture:**
- Vernacular [X]

**Influence Architectural Style:**
- Georgian [ ]  
- Neo-Classical [ ]  
- Regency [ ]  
- Classic Revival [ ]  
- Gothic Revival [ ]  
- Italian Villa [ ]  
- Italianate [ ]  
- Second Empire [ ]  
- Queen Anne [ ]  
- Romanesque Revival [ ]  
- Renaissance Revival [ ]  
- Chateau [ ]  
- Beaux-Arts Classicism [ ]  
- Neo-Gothic [ ]  
- Period Revival [ ]  
- Colonial Revival [ ]  
- Edwardian Classicism [ ]  
- Bungalow [ ]  
- Prairie/Four Square [ ]  
- Art Deco [ ]  
- Art Moderne [ ]  
- International [ ]  
- Victory Housing[ ]  
- '50's Contempo [ ]  
- Post Modern [ ]  
- Other ________

**Notable building features:**
- Porch [ ]  
- Verandah [ ]  
- Door(s) [ ]  
- Window(s) [ ]  
- Sill(s) [ ]  
- Lintel(s) [ ]  
- Shutters [ ]  
- Quoins [ ]  
- Decorative barge board [ ]  
- Decorative cornice [ ]  
- Decorative woodwork [ ]  
- Finials [ ]  
- Spire/tower [ ]  
- Columns/pilasters [ ]  
- Other [ ]

**Integrity:**  
- Much Altered [ ]
- Altered [X]
- Little altered [ ]

**Historical associations if known:**

Representative of worker's type housing in North End/harbor area.

**Associated cultural landscape:** Mary Street
**Street Address:** 579 Mary Street  
**Given or popular name:**

![Image of the house](image)

**Feature type:**
- 100 Residential [X]  
- 200 Religious [ ]  
- 300 Public/Institutional [ ]  
- 400 Commercial [ ]  
- 500 Industrial [ ]  
- 600 Transpn/Eng Wrks/Utilities [ ]  
- 700 Farmstead [ ]  
- 800 Other [ ]

**Construction period:**
- Pre-1867 [ ]  
- 1868-1900 [ ]  
- 1901-1939 [X]  
- 1939-55 [ ]  
- 1955-71 [ ]  
- Post 1970s [ ]

**Date if known:**___________________

**Builder/crafts-person if known:**________________________

**Building Fabric:**
- Foundation construction material: Stone [ ]  
  - Brick [ ]  
  - Concrete [X ]  
  - Other__________
- Main building construction material: Brick [X ]  
  - Frame [ ]  
  - Stone [ ]  
  - Log [ ]

**Building cladding:**
- Wooden [ ]
- Type: ___
- Stone [ ]  
- Stucco [ ]  
- Synthetic [X ]
- Other__________

**Roof construction material:**
- Wood shingles [ ]  
- Slate [ ]  
- Asphalt [X ]  
- Asbestos [ ]
- Other__________

**Storeys:**
- One [ ]  
- One-and-a-half [ ]  
- Two [X ]  
- Two-and-a-half [ ]  
- Other

**Roof type:**
- Front gable [X ]  
- Side gable [ ]  
- Cross/Centre gabled [ ]  
- Hip [ ]  
- Other

**Architecture:**
- Vernacular [X ]
- Neo-Classical [ ]  
- Georgian [ ]
- Gothic Revival [ ]  
- Italian Villa [ ]
- Queen Anne [ ]
- Beaux-Arts Classicism [ ]
- Italianate [ ]
- Renaissance Revival [ ]
- French Revival [ ]
- Romanesque Revival [ ]
- Second Empire [ ]
- Neoclassical Revival [ ]
- Victorian Revival [ ]
- Classical Revival [ ]
- Neo-Gothic [ ]
- Edwardian Revival [ ]
- Queen Anne Revival [ ]
- Colonial Revival [ ]
- Richardsonian Revival [ ]
- Classic Revival [ ]
- Beaux-Arts Revival [ ]
- International Style [ ]
- Victorian Revival [ ]
- Post Modern [ ]
- Renaissance Revival [ ]
- Italianate Revival [ ]
- English Revival [ ]
- Modernist [ ]
- Art Nouveau [ ]
- Post Modern [ ]
- Art Deco [ ]

**Notable building features:**
- Porch [ ]
- Verandah [ ]
- Door(s) [ ]
- Window(s) [ ]
- Lintel(s) [ ]
- Shutters [ ]
- Quoins [ ]
- Decorative barge board [ ]
- Decorative cornice [ ]
- Decorative woodwork [ ]
- Finials [ ]
- Spire/tower [ ]
- Columns/pilasters [ ]

**Integrity:**
- Much Altered [ ]
- Altered [X ]
- Little altered [ ]

**Historical associations if known:**
Representative of worker's type housing in the North End/harbor area.

**Associated cultural heritage landscape:** Mary Street
**Street Address:** 581 Mary Street  
**Given or popular name:**

<table>
<thead>
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<th>Feature type:</th>
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<th>200 Religious [ ]</th>
<th>300 Public/Institutional [ ]</th>
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<tbody>
<tr>
<td></td>
<td>400 Commercial [ ]</td>
<td>500 Industrial [ ]</td>
<td>600 Transpn/Eng Wrks/Utilities [ ]</td>
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<td></td>
<td>700 Farmstead [ ]</td>
<td>800 Other [ ]</td>
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<th>Construction period:</th>
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<th>1868-1900 [ ]</th>
<th>1901-1939 [X]</th>
<th>1939-55 [ ]</th>
<th>1955-71 [ ]</th>
<th>Post 1970s [ ]</th>
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<tr>
<td><strong>Date if known:</strong></td>
<td>____________________</td>
<td><strong>Builder crafts person if known:</strong></td>
<td>____________________</td>
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<th><strong>Stone [ ]</strong></th>
<th><strong>Brick [ ]</strong></th>
<th><strong>Concrete [X]</strong></th>
<th><strong>Other</strong></th>
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<td><strong>Brick [ ]</strong></td>
<td><strong>Frame [X]</strong></td>
<td><strong>Stone [ ]</strong></td>
<td><strong>Log [ ]</strong></td>
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<tr>
<td></td>
<td><strong>Other</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Building cladding:</td>
<td><strong>Wooden [ ]</strong></td>
<td><strong>Type:</strong></td>
<td><strong>Stone [ ]</strong></td>
<td><strong>Stucco [ ]</strong></td>
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<td></td>
<td><strong>Synthetic [X]</strong></td>
<td><strong>Other</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Roof construction material:</td>
<td><strong>Wood shingles [ ]</strong></td>
<td><strong>Slate [ ]</strong></td>
<td><strong>Asphalt [X]</strong></td>
<td><strong>Asbestos [ ]</strong></td>
</tr>
<tr>
<td></td>
<td></td>
<td><strong>Other</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Storeys:</td>
<td><strong>One [X]</strong></td>
<td><strong>One-and-a-half [ ]</strong></td>
<td><strong>Two [ ]</strong></td>
<td><strong>Two-and-a-half [ ]</strong></td>
</tr>
<tr>
<td></td>
<td>Roof type:</td>
<td><strong>Front gable [ ]</strong></td>
<td><strong>Side gable [X]</strong></td>
<td><strong>Cross/Centre gabled [ ]</strong></td>
<td><strong>Hip [ ]</strong></td>
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<table>
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<tr>
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<th>Vernacular [X]</th>
<th><strong>Influence/Architectural Style:</strong></th>
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<tr>
<td></td>
<td>Georgian [ ]</td>
<td><strong>Neo-Classical [ ]</strong></td>
</tr>
<tr>
<td></td>
<td>Gothic Revival [ ]</td>
<td><strong>Italian Villa [ ]</strong></td>
</tr>
<tr>
<td></td>
<td>Queen Anne [ ]</td>
<td><strong>Romanesque Revival [ ]</strong></td>
</tr>
<tr>
<td></td>
<td>Beaux-Arts Classicism [ ]</td>
<td><strong>Neo-Gothic [ ]</strong></td>
</tr>
<tr>
<td></td>
<td>Edwardian Classicism [ ]</td>
<td><strong>Bungalow [ ]</strong></td>
</tr>
<tr>
<td></td>
<td>Art Moderne [ ]</td>
<td><strong>International [ ]</strong></td>
</tr>
<tr>
<td></td>
<td>Post Modern [ ]</td>
<td><strong>Other:</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Notable building features:</th>
<th>Porch [ ]</th>
<th>Verandah [ ]</th>
<th>Door(s) [ ]</th>
<th>Window(s) [ ]</th>
<th>Sill(s) [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lintel(s) [ ]</td>
<td>Shutters [ ]</td>
<td>Quoins [ ]</td>
<td>Decorative barge board [ ]</td>
<td>Decorative cornice [ ]</td>
<td></td>
</tr>
<tr>
<td>Decorative woodwork [ ]</td>
<td>Finials [ ]</td>
<td>Spire/tower [ ]</td>
<td>Columns/pilasters [ ]</td>
<td>Other [ ]</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Integrity:</th>
<th>Much Altered [ ]</th>
<th>Altered [X]</th>
<th>Little altered [ ]</th>
</tr>
</thead>
</table>

**Historical associations if known:**

Representative of worker's type housing in the North End/harbor area.

**Associated cultural heritage landscape:** Mary Street
**Street Address:** 583 Mary Street North  
**Given or popular name:**

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential [X]</th>
<th>200 Religious [ ]</th>
<th>300 Public/Institutional [ ]</th>
<th>400 Commercial [ ]</th>
<th>500 Industrial [ ]</th>
<th>600 Transptn/Eng Wrks/Utilities [ ]</th>
<th>700 Farmstead [ ]</th>
<th>800 Other [ ]</th>
</tr>
</thead>
</table>

**Construction period:** Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [ ] 1939-55 [ ] 1955-71[ ] Post 1970s [ ]

**Date if known:**___________________  
**Builder/craftsperson if known:**________________________

| Building Fabric |
|----------------|-----------------
| Foundation construction material: Stone [ ] Brick [ ] Concrete [X] Other__________ |
| Main building construction material: Brick [ ] Frame [X] Stone [ ] Log [ ] Other__________ |

| Building cladding |
|-------------------|-----------------
| Wooden [ ] Type: Synthetic [X ] Other__________ |
| Stone [ ] Stucco [ ] |

<table>
<thead>
<tr>
<th>Roof construction material</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wood shingles [ ] Slate [ ] Asphalt [X ] Asbestos [ ] Other__________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Storeys</th>
</tr>
</thead>
<tbody>
<tr>
<td>One [X] One-and-a-half [ ] Two [ ] Two-and-a-half [ ] Other</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Roof type</th>
</tr>
</thead>
<tbody>
<tr>
<td>Front gable [ ] Side gable [ ] Cross/Centre gabled [ ] Hip [ ] Other</td>
</tr>
</tbody>
</table>

**Architecture:**

<table>
<thead>
<tr>
<th>Vernacular [ ]</th>
</tr>
</thead>
</table>

**Influence/Architectural Style:**

| Georgian [ ] | Neo-Classical [ ] | Regency [ ] | Classic Revival [ ] | Gothic Revival [ ] | Italian Villa [ ] | Italianate [ ] | Second Empire [ ] | Queen Anne [ ] | Romanesque Revival [ ] | Renaissance Revival [ ] | Chateau [ ] | Beaux-Arts Classicism [ ] | Neo-Gothic [ ] | Period Revival [ ] | Colonial Revival [ ] | Edwardian Classicism [ ] | Bungalow [ ] | Prairie/Four Square [ ] | Art Deco [ ] | Art Moderne [ ] | International [ ] | Victory Housing[ ] | ‘50’s Contempo [ ] | Post Modern [ ] | Other |

| Notable building features: Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ] Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ] Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ] |

| Integrity: Much Altered [ ] Altered [X] Little altered [ ] |

**Historical associations if known:**

Representative of worker’s type housing in the North End/harbor area.

**Associated cultural heritage landscape:** Mary Street
MHBC: Built Heritage Resource Field Survey form

Street Address: 587 Mary Street North
Given or popular name:________________________

Feature type: 100 Residential [X] 200 Religious [ ] 300 Public/Institutional [ ]
400 Commercial [ ] 500 Industrial [ ] 600 Transpn/Eng Wrks/Utilities [ ]
700 Farmstead [ ] 800 Other [ ]

Construction period: Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [X] 1939-55 [ ] 1955-71[ ] Post 1970s [ ]
Date if known:___________________ Builder/craftsperson if known:________________________

Building Fabric:
Foundation construction material: Stone [ ] Brick [ ] Concrete [X] Other__________
Main building construction material: Brick [ ] Frame [X] Stone [ ] Log [ ]
Other__________
Building cladding: Wooden [ ] Type:___________ Stone [ ] Stucco [ ]
Synthetic [X] Other__________
Roof construction material: Wood shingles [ ] Slate [ ] Asphalt [X] Asbestos [ ]
Other__________
Storeys: One [X] One-and-a-half [ ] Two [ ] Two-and-a-half [ ] Other_______
Roof type: Front gable [ ] Side gable [ ] Cross/Centre gabled [ ] Hip [X] Other_______

Architecture:
Vernacular [X]
Influence/Architectural Style:
Georgian [ ] Neo-Classical [ ] Regency [ ] Classic Revival [ ]
Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]
Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]
Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]
Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]
Art Moderne [ ] International [ ] Victory Housing[ ] ‘50’s Contempo [ ]
Post Modern [ ] Other:

Notable building features: Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]
Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]
Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ]

Integrity: Much Altered [ ] Altered [X] Little altered [ ]

Historical associations if known:
Representative of worker's type housing in the North End/harbor area.

Associated cultural heritage landscape: Mary Street
Street Address: 589 Mary Street North
Given or popular name: 

Feature type: 100 Residential [x] 200 Religious [ ] 300 Public/Institutional [ ]
400 Commercial [ ] 500 Industrial [ ] 600 Transptn/Eng Wrks/Utilities [ ]
700 Farmstead [ ] 800 Other [ ]

Construction Period: Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [ ] 1939-55 [ ] 1955-71 [ ] Post 1970s [ ]
Date if known: ___________________
Builder/craftsperson if known: __________________________

Building Fabric:
Foundation construction material: Stone [ ] Brick [ ] Concrete [x] Other__________
Main building construction material: Brick [ ] Frame [x] Stone [ ] Log [ ]
Other__________
Building cladding: Wooden [ ] Type: __________________________
      Synthetic [x] Other__________
      Stone [ ] Stucco [ ]
Roof construction material: Wood shingles [ ] Slate [ ] Asphalt [x] Asbestos [ ]
Other__________
Storeys: One [x] One-and-a-half [ ] Two [ ] Two-and-a-half [ ] Other [ ]
Roof type: Front gable [ ] Side gable [ ] Cross/Centre gabled [ ] Hip [x] Other [ ]

Architecture:
Vernacular [x]
Influence/Architectural Style:
Georgian [ ] Neo-Classical [ ] Regency [ ] Classic Revival [ ]
Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]
Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]
Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]
Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]
Art Moderne [ ] International [ ] Victory Housing[ ] ‘50's Contempo [ ]
Post Modern [ ] Other: 

Notable building features: Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]
      Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]
      Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ]

Integrity: Much Altered [ ] Altered [x] Little altered [ ]

Historical associations if known:
Representative of worker’s type housing in the North End/harbor area.

Associated cultural heritage landscape: Mary Street.

MHBC: Built Heritage Resource Field Survey form
**Street Address:** 591 Mary Street North

**Feature type:**
- 100 Residential [X]
- 200 Religious
- 300 Public/Institutional
- 400 Commercial
- 500 Industrial
- 600 Transptn/Eng Wrks/Utilities
- 700 Farmstead
- 800 Other

**Construction period:**
- Pre-1867
- 1868-1900
- 1901-1939 [X]
- 1939-55
- 1955-71
- Post 1970s

**Builder if known:**

**Foundation construction material:**
- Stone
- Brick
- Concrete [X]
- Other

**Main building construction material:**
- Brick
- Frame [X]
- Stone
- Log
- Other

**Building cladding:**
- Wooden
- Type:
- Stone
- Stucco
- Synthetic [X]
- Other

**Roof construction material:**
- Wood shingles
- Slate
- Asphalt [X]
- Asbestos
- Other

**Storeys:**
- One [X]
- One-and-a-half
- Two
- Two-and-a-half
- Other

**Roof type:**
- Front gable
- Side gable
- Cross/Centre gabled
- Hip [X]
- Other

**Architectural style:**
- Vernacular [X]

**Influence/Architectural Style:**
- Georgian
- Neo-Classical
- Regency
- Classic Revival
- Gothic Revival
- Italian Villa
- Italianate
- Second Empire
- Queen Anne
- Romanesque Revival
- Renaissance Revival
- Chateau
- Beaux-Arts Classicism
- Neo-Gothic
- Period Revival
- Colonial Revival
- Edwardian Classicism
- Bungalow
- Prairie/Four Square
- Art Deco
- Art Moderne
- International
- Victory Housing
- '50's Contempo
- Post Modern
- Other

**Notable building features:**
- Porch
- Verandah
- Door(s)
- Window(s)
- Sill(s)
- Shutters
- Quoins
- Decorative barge board
- Decorative cornice
- Decorative woodwork
- Finials
- Spire/tower
- Columns/pilasters
- Other

**Integrity:**
- Much Altered
- Altered [X]
- Little altered

**Historical associations if known:**

Representative of worker's type housing in the North End/harbor area.

**Associated cultural heritage landscape:**

Mary Street
Feature type: 100 Residential [X] 200 Religious [ ] 300 Public/Institutional [ ] 400 Commercial [ ] 500 Industrial [ ] 600 Transptn/Eng Wrks/Utilities [ ] 700 Farmstead [ ] 800 Other [ ]

Construction period: Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [X] 1939-55 [ ] 1955-71 [ ] Post 1970s [ ]

Date if known:___________________ Builder/craftsperson if known:________________________

Building Fabric:

Foundation construction material: Stone [ ] Brick [ ] Concrete [X] Other__________

Main building construction material: Brick [X] Frame [X] Stone [ ] Log [ ] Other__________

Building cladding: Wooden [ ] Type:___________________Stone [ ] Stucco [ ] Synthetic [X] Other__________

Roof construction material: Wood shingles [ ] Slate [ ] Asphalt [X] Asbestos [ ] Other__________

Storeys: One [X] One-and-a-half [ ] Two [ ] Two-and-a-half [ ] Other__________

Roof type: Front gable [ ] Side gable [ ] Cross/Centre gabled [ ] Hip [X] Other__________

Architecture:

Vernacular [X] Neo-Classical [ ] Regency [ ] Classic Revival [ ]

Georgian [ ] Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]

Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]

Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]

Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]

Art Moderne [ ] International [ ] Victory Housing[ ] '50's Contempo [ ]

Post Modern [ ] Other:__________

Notable building features: Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]

Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]

Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ]

Integrity: Much Altered [ ] Altered [X] Little altered [ ]

Historical associations if known:

Representative of worker's type housing in the North End/harbor area.
Street Address: 111 Burlington Street East  
Given or popular name: Eastwood Arena

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<tr>
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<th>100 Residential</th>
<th>200 Religious</th>
<th>300 Public/Institutional</th>
<th>X</th>
<th>400 Commercial</th>
<th>500 Industrial</th>
<th>600 Transp/Eng Wrks/Utilities</th>
<th>700 Farmstead</th>
<th>800 Other</th>
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<tbody>
<tr>
<td>Date if known:</td>
<td>_____________________________</td>
<td>Builder/crafts person if known: _____________________________</td>
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<th>Brick</th>
<th>Concrete</th>
<th>X</th>
<th>Other</th>
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<tbody>
<tr>
<td>Main building material:</td>
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<td>Frame</td>
<td>Stone</td>
<td>Log</td>
<td>Other</td>
<td>Concrete block</td>
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<tr>
<td>Building cladding:</td>
<td>Wooden</td>
<td>Type:</td>
<td>Stone</td>
<td>Stucco</td>
<td>Synthetic</td>
<td>Other</td>
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<tr>
<td>Roof construction material:</td>
<td>Wood shingles</td>
<td>Slate</td>
<td>Asphalt</td>
<td>Asbestos</td>
<td>Other</td>
<td>unknown</td>
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| Storeys:               | One | One-and-a-half | Two | Two-and-a-half | X | Other |
| Roof type:             | Front gable | Side gable | Cross/Centre gabled | Hip | X | Other |

<table>
<thead>
<tr>
<th>Architecture:</th>
<th>Vernacular</th>
<th>Neo-Classical</th>
<th>Regency</th>
<th>Classic Revival</th>
<th>Georgian</th>
<th>Neo-Gothic</th>
<th>Period Revival</th>
<th>Colonial Revival</th>
<th>Beaux-Arts Classicism</th>
<th>Renaissance Revival</th>
<th>Chateau</th>
<th>Edwardian Classicism</th>
<th>Prairie/Four Square</th>
<th>Art Deco</th>
<th>Art Moderne</th>
<th>International</th>
<th>Victory Housing</th>
<th>‘50’s Contempo</th>
<th>Post Modern</th>
<th>Other: Public arena</th>
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</table>

<table>
<thead>
<tr>
<th>Notable building features:</th>
<th>Porch</th>
<th>Verandah</th>
<th>Window(s)</th>
<th>Sill(s)</th>
<th>Lintel(s)</th>
<th>Shutters</th>
<th>Quoins</th>
<th>Decorative door board</th>
<th>Decorative cornice</th>
<th>Decorative woodwork</th>
<th>Finials</th>
<th>Spire/tower</th>
<th>Columns/pilasters</th>
<th>Other</th>
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N/A

Associated cultural heritage landscape: Eastwood Park/Mary Street
Street Address: 110-114 Burlington Street East

Given or popular name: 

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<th>600 Transpnt/Eng Wrks/Utilities [ ]</th>
<th>700 Farmstead [ ]</th>
<th>800 Other [ ]</th>
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Construction period: Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [ X ] 1939-55 [ ] 1955-71 [ ] Post 1970s [ ]

Date if known: ___________________

Builder/craftsperson if known: __________________________

Building Fabric:

Foundation construction material: Stone [ ] Brick [ X ] Concrete [ ] Other__________

Main building construction material: Brick [ ] Frame [ ] Stone [ ] Log [ ] Other__________

Building cladding:

Wooden [ ] Type: __________________ Stucco [ ]

Synthetic [ X ] Other__________

Roof construction material:

Wood shingles [ ] Slate [ ] Asphalt [ X ] Asbestos [ ] Other__________

Storeys: One [ ] One-and-a-half [ X ] Two [ ] Two-and-a-half [ ] Other__

Roof type: Front gable [ ] Side gable [ ] Cross/Centre gabled [ ] Hip [ X ] Other__

Architecture:

Vernacular [ X ]

Influence/Architectural Style:

Georgian [ ] Neo-Classical [ ] Regency [ ] Classic Revival [ ]

Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]

Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]

Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]

Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]

Art Moderne [ ] International [ ] Victory Housing[ ] '50s Contempo [ ]

Post Modern [ ] Other:

Notable building features:

Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]

Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]

Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ]

Integrity: Much Altered [ X ] Altered [ ] Little altered [ ]

Historical associations if known:

Associated cultural heritage landscape: Burlington Street East
Street Address: 116 Burlington Street East
Given or popular name: 

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<td>Building cladding:</td>
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<td>Roof construction material: Wood shingles [ ] Slate [ ] Asphalt [ X ] Asbestos [ ] Other</td>
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<tr>
<td>Storeys:</td>
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</table>
| Roof type: 
  Front gable [ ] Side gable [ ] Cross/Centre gabled [ ] Hip [ X ] Other |

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<td>Edwardian Classicism [ ]</td>
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<td>Art Moderne [ ]</td>
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<td>Post Modern [ ]</td>
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<tr>
<td>Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]</td>
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<td>Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]</td>
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<td>Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pillasters [ ] Other [ ]</td>
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<table>
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Associated cultural landscape: Burlington Street East

MHBC: Built Heritage Resource Field Survey form
<table>
<thead>
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<tbody>
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<td>Given or popular name:</td>
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</table>

**Feature type:**
- 100 Residential [X]
- 200 Religious [ ]
- 300 Public/Institutional [ ]
- 400 Commercial [ ]
- 500 Industrial [ ]
- 600 Transpn/Eng Wrks/Utilities [ ]
- 700 Farmstead [ ]
- 800 Other [ ]

**Construction period:**
- Pre-1867 [ ]
- 1868-1900 [ ]
- 1901-1939 [X]
- 1939-55 [ ]
- 1955-71 [ ]
- Post 1970s [ ]

**Date if known:**

**Builder/crafts-person if known:**

**Building Fabric:**
- **Foundation construction material:**
  - Stone [ ]
  - Brick [ ]
  - Concrete [X]
  - Other [ ]

- **Main building construction material:**
  - Frame [X]
  - Stone [ ]
  - Log [ ]
  - Other [ ]

- **Building cladding:**
  - Wooden [ ]
  - Type: [ ]
  - Stone [ ]
  - Stucco [ ]
  - Synthetic [X]
  - Other [ ]

- **Roof construction material:**
  - Wood shingles [ ]
  - Slate [ ]
  - Asphalt [X]
  - Asbestos [ ]
  - Other [ ]

**Storeys:**
- One [ ]
- One-and-a-half [ ]
- Two [X]
- Two-and-a-half [ ]
- Other [ ]

**Roof type:**
- Front gable [X]
- Side gable [ ]
- Cross/Centre gabled [ ]
- Hip [ ]
- Other [ ]

**Architecture:**
- Vernacular [X]

**Influence Architectural Style:**
- Georgian [ ]
- Neo-Classical [ ]
- Regency [ ]
- Classic Revival [ ]
- Gothic Revival [ ]
- Italian Villa [ ]
- Italianate [ ]
- Second Empire [ ]
- Queen Anne [ ]
- Romanesque Revival [ ]
- Renaissance Revival [ ]
- Chateau [ ]
- Beaux-Arts Classicism [ ]
- Neo-Gothic [ ]
- Period Revival [ ]
- Colonial Revival [ ]
- Edwardian Classicism [ ]
- Bungalow [ ]
- Prairie/Four Square [ ]
- Art Deco [ ]
- Art Moderne [ ]
- International [ ]
- Victory Housing[ ]
- '50's Contempo [ ]
- Post Modern [ ]
- Other [ ]

**Notable building features:**
- Porch [ ]
- Verandah [ ]
- Door(s) [ ]
- Window(s) [ ]
- Sill(s) [ ]
- Shutters [ ]
- Quoins [ ]
- Decorative barge board [ ]
- Decorative cornice [ ]
- Decorative woodwork [ ]
- Finials [ ]
- Spire/tower [ ]
- Columns/plaisters [ ]
- Other [ ]

**Integrity:**
- Much Altered [ ]
- Altered [X]
- Little altered [ ]

**Historical associations If known:**

Representative of worker’s type housing in the North End

**Associated cultural heritage landscape:**

Burlington Street East
**Street Address:** 122 Burlington Street East

**Feature type:**
- 100 Residential [X]
- 200 Religious [ ]
- 300 Public/Institutional [ ]
- 400 Commercial [ ]
- 500 Industrial [ ]
- 600 Transptn/Eng Wrks/Utilities [ ]
- 700 Farmstead [ ]
- 800 Other [ ]

**Construction period:**
- Pre-1867 [ ]
- 1868-1900 [ ]
- 1901-1939 [X]
- 1939-55 [ ]
- 1955-71 [ ]
- Post 1970s [ ]

**Date if known:**_________________

**Builder/craftsperson if known:**________________________

**Building Fabric:**
- Foundation construction material: Stone [ ]
- Brick [ ]
- Concrete [X]
- Other__________

- Main building construction material: Brick [ ]
- Frame [X]
- Stone [ ]
- Log [ ]

- Building cladding:
- Wooden [ ]
- Type:Stone [ ]
- Synthetic [X]
- Other__________

- Roof construction material: Wood shingles [ ]
- Slate [ ]
- Asphalt [X]
- Asbestos [ ]

- Storeys: One [ ]
- One-and-a-half [ ]
- Two [X]
- Two-and-a-half [ ]
- Other

- Roof type:
- Front gable [X]
- Side gable [ ]
- Cross/Centre gabled [ ]
- Hip [ ]
- Other

**Architecture:**
- Vernacular [X]
- Georgian [ ]
- Neo-Classical [ ]
- Regency [ ]
- Classic Revival [ ]
- Gothic Revival [ ]
- Italian Villa [ ]
- Italianate [ ]
- Second Empire [ ]
- Queen Anne [ ]
- Romanesque Revival [ ]
- Renaissance Revival [ ]
- Chateau [ ]
- Beaux-Arts Classicism [ ]
- Neo-Gothic [ ]
- Period Revival [ ]
- Colonial Revival [ ]
- Edwardian Classicism [ ]
- Bungalow [ ]
- Prairie/Four Square [ ]
- Art Deco [ ]
- Art Moderne [ ]
- International [ ]
- Victory Housing[ ]
- '50's Contempo [ ]
- Post Modern [ ]
- Other

**Notable building features:**
- Porch [ ]
- Verandah [ ]
- Door(s) [ ]
- Window(s) [ ]
- Sill(s) [ ]
- Shutters [ ]
- Quoins [ ]
- Decorative barge board [ ]
- Decorative cornice [ ]
- Lintel(s) [ ]
- Finials [ ]
- Spire/tower [ ]
- Columns/pillasters [ ]
- Other [ ]

**Integrity:** Much Altered [ ]
- Altered [X]
- Little altered [ ]

**Historical associations**
- Representative of worker's type housing in the North End

**Associated cultural landscape:** Burlington Street East
**Street Address:** 124 Burlington Street East  
**Given or popular name:**

---

**Feature type:**  
100 Residential [X]  
200 Religious [ ]  
300 Public/Institutional [ ]  
400 Commercial [ ]  
500 Industrial [ ]  
600 Transp/Eng Wrks/Utilities [ ]  
700 Farmstead [ ]  
800 Other [ ]

**Construction period:** Pre-1867 [ ]  
1868-1900 [ ]  
1901-1939 [X]  
1939-55 [ ]  
1955-71 [ ]  
Post 1970s [ ]

**Date if known:**___________________  
**Builder/crafts person if known:**________________________

---

| Building Fabric: | Stone [ ]  
| Brick [ ]  
| Concrete [X]  
| Other__________ |
| Foundation construction material: |

| Main building construction material: |
| Brick [ ]  
| Frame [X]  
| Stone [ ]  
| Log [ ]  
| Other__________ |

| Building cladding: |
| Wooden [ ]  
| Type:__________  
| Stone [ ]  
| Stucco [ ]  
| Synthetic [X]  
| Other_______ |

| Roof construction material: |
| Wood shingles [ ]  
| Slate [ ]  
| Asphalt [X]  
| Asbestos [ ]  
| Other__________ |

| Storeys: |
| One [ ]  
| One-and-a-half [ ]  
| Two [X]  
| Two-and-a-half [ ]  
| Other__________ |

| Roof type: |
| Front gable [X]  
| Side gable [ ]  
| Cross/Centre gabled [ ]  
| Hip [ ]  
| Other__________ |

---

**Architecture:**  
Vernacular [X]

**Influence Architectural Style:**

| Georgian [ ]  
| Neo-Classical [ ]  
| Regency [ ]  
| Classic Revival [ ]  
| Gothic Revival [ ]  
| Italian Villa [ ]  
| Italianate [ ]  
| Second Empire [ ]  
| Queen Anne [ ]  
| Romanesque Revival [ ]  
| Renaissance Revival [ ]  
| Château [ ]  
| Beaux-Arts Classicism [ ]  
| Neo-Gothic [ ]  
| Period Revival [ ]  
| Colonial Revival [ ]  
| Edwardian Classicism [ ]  
| Bungalow [ ]  
| Prairie/Four Square [ ]  
| Art Deco [ ]  
| Art Moderne [ ]  
| International [ ]  
| Victory Housing[ ]  
| ‘50’s Contempo [ ]  
| Post Modern [ ]  
| Other__________ |

---

**Notable building features:**  
Porch [ ]  
Verandah [ ]  
Door(s) [ ]  
Window(s) [ ]  
Sill(s) [ ]  
Lintel[s] [ ]  
Shutters [ ]  
Quoin[s] [ ]  
Decorative barge board [ ]  
Decorative cornice [ ]  
Decorative woodwork [ ]  
Finials [ ]  
Spire/tower [ ]  
Columns/pilasters [ ]  
Other__________

**Integrity:** Much Altered [ ]  
Altered [X]  
Little altered [ ]

**Historical associations if known:**

Representative of worker’s type housing in the North End

---

**Associated cultural heritage landscape:** Burlington Street East
### Project:  
Date of survey(s): October 28, 2013  
Recorder: L. Jones

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<td>400 Commercial [ ]</td>
<td>500 Industrial [ ]</td>
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<td>700 Farmstead [ ]</td>
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<tr>
<td>Building cladding:</td>
<td>Wooden [ ] Type:</td>
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<tr>
<td>Roof construction material:</td>
<td>Wood shingles [ ]</td>
</tr>
<tr>
<td>Other:</td>
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</tbody>
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| Storeys: | One [ ] | One-and-a-half [ ] | Two [ X ] | Two-and-a-half [ ] | Other [ ] |
| Roof type: | Front gable [ X ] | Side gable [ ] | Cross/Centre gabled [ ] | Hip [ ] | Other [ ] |

| Architecture: | Vernacular [ X ] |
| Influence Architectural Style: | Neo-Classical [ ] |
| Georgian [ ] | Neo-Gothic [ ] | Period Revival [ ] | Colonial Revival [ ] |
| Gothic Revival [ ] | Romanesque Revival [ ] | Renaissance Revival [ ] | Chateau [ ] |
| Queen Anne [ ] | Beaux-Arts Classicism [ ] | Bungalow [ ] | Prairie/Four Square [ ] | Art Deco [ ] |
| Beaux-Arts Classicism [ ] | | | | |
| Edwardian Classicism [ ] | International [ ] | Victory Housing[ ] | ‘50’s Contempo [ ] |
| Post Modern [ ] | Other: | |

| Notable building features: | Porch [ ] | Verandah [ ] | Door(s) [ ] | Window(s) [ ] | Sill(s) [ ] |
| Lintel(s) [ ] | Shutters [ ] | Quoins [ ] | Decorative barge board [ ] | Decorative cornice [ ] |
| Decorative woodwork [ ] | Finials [ ] | Spire/tower [ ] | Columns/pilasters [ ] | Other [ ] |

| Integrity: | Much Altered [ ] | Altered [ X ] | Little altered [ ] |

| Historical associations: | |
| Associated cultural heritage landscape: | Burlington Street East |
Street Address: 128 Burlington Street East
Given or popular name: 

| Feature type:  | 100 Residential [ X ] | 200 Religious [ ] | 300 Public/Institutional [ ] |
|               | 400 Commercial [ ]    | 500 Industrial [ ] | 600 Transpnt/Eng Wrks/Utilities [ ] |
|               | 700 Farmstead [ ]     | 800 Other [ ]      |

Construction period: Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [ X ] 1939-55 [ ] 1955-71 [ ] Post 1970s [ ]

Builder/craftsman if known: ________________________

| Building Fabric: |
| Foundation construction material: Stone [ ] Brick [ ] Concrete [ X ] Other__________ |
| Main building construction material: Brick [ ] Frame [ X ] Stone [ ] Log [ ] Other |
| Building cladding: Wooden [ ] Type: Stucco [ ] Synthetic [ X ] Other__________ |
| Roof construction material: Wood shingles [ ] Slate [ ] Asphalt [ X ] Asbestos [ ] Other |

| Storeys: |
| One [ ] One-and-a-half [ ] Two [ X ] Two-and-a-half [ ] Other |

| Roof type: |
| Front gable [ X ] Side gable [ ] Cross/Centre gabled [ ] Hip [ ] Other |

| Architecture: 
| Vernacular [ X ] |
| Influence Architectural Style: |
| Georgian [ ] Neo-Classical [ ] Regency [ ] Classic Revival [ ] |
| Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ] |
| Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ] |
| Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ] |
| Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ] |
| Art Moderne [ ] International [ ] Victory Housing[ ] ’50’s Contempo [ ] |
| Post Modern [ ] Other: |

| Notable building features: Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ] |
| Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ] |
| Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ] |

| Integrity: |
| Much Altered [ ] Altered [ X ] Little altered [ ] |

Historical associations if known:
Representative of worker’s type housing in the North End

Associated cultural heritage landscape: Burlington Street East
**Street Address:** 130 Burlington Street East  
**Given or popular name:**

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<th>1955-71</th>
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**Date if known:**___________________  
**Builder/craftsperson if known:**________________________

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<table>
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<th>Storeys:</th>
<th>One</th>
<th>One-and-a-half</th>
<th>Two</th>
<th>Two-and-a-half</th>
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<th>Side gable</th>
<th>Cross/Centre gabled</th>
<th>Hip</th>
<th>Other</th>
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## Architecture:

- **Vernacular** [X]

## Influence/Architectural Style:

- Georgian [ ]  
- Gothic Revival [ ]  
- Italian Villa [ ]  
- Neo-Gothic [ ]  
- Romanesque Revival [ ]  
- Renaissance Revival [ ]  
- Château [ ]  
- Second Empire [ ]  
- Neoclassical [ ]  
- Colonial Revival [ ]  
- Prairie/Four Square [ ]  
- Art Deco [ ]  
- Post Modern [ ]

## Notable building features:

- Porch [ ]  
- Verandah [ ]  
- Door(s) [ ]  
- Window(s) [ ]  
- Sill(s) [ ]  
- Shutters [ ]  
- Quoins [ ]  
- Decorative barge board [ ]  
- Decorative cornice [ ]  
- Decorative woodwork [ ]  
- Finials [ ]  
- Spire/tower [ ]  
- Columns/pillasters [ ]  
- Other [ ]

| Integrity: | Much Altered [ ]  
|------------|------------------|

**Historical associations if known:**

- Representative of worker’s type housing in the North End

**Associated cultural heritage landscape:** Burlington Street East
**Project:**
Date of survey(s): October 28, 2013  
Recorder: L. Jones

---

**Street Address:** 132 Burlington Street East  
Given or popular name:________________________

---

**Feature type:**
- 100 Residential [X]  
- 200 Religious [ ]  
- 300 Public/Institutional [ ]  
- 400 Commercial [ ]  
- 500 Industrial [ ]  
- 600 Transport/Eng Wrks/Utilities [ ]  
- 700 Farmstead [ ]  
- 800 Other [ ]

**Construction period:**
- Pre-1867 [ ]  
- 1868-1900 [ ]  
- 1901-1939 [X]  
- 1939-55 [ ]  
- 1955-71 [ ]  
- Post 1970s [ ]

Date if known: ___________________  
Builder/craftsperson if known: ___________________

---

**Building Fabric:**

**Foundation construction material:**
- Stone [ ]  
- Brick [ ]  
- Concrete [X]  
- Other__________

**Main building construction material:**
- Brick [ ]  
- Frame [X]  
- Stone [ ]  
- Log [ ]

**Building cladding:**
- Wooden [ ]  
- Type: __________________  
- Stone [ ]  
- Stucco [ ]  
- Synthetic [X]  
- Other__________

**Roof construction material:**
- Wood shingles [ ]  
- Slate [ ]  
- Asphalt [X]  
- Asbestos [ ]

**Storeys:**
- One [ ]  
- One-and-a-half [ ]  
- Two [X]  
- Two-and-a-half [ ]  
- Other

**Roof type:**
- Front gable [X]  
- Side gable [ ]  
- Cross/Centre gabled [ ]  
- Hip [ ]  
- Other

---

**Architecture:**

**Vernacular [X]**

**Influence Architectural Style:**
- Georgian [ ]  
- Gothic Revival [ ]  
- Neo-Classical [ ]  
- Regency [ ]  
- Classic Revival [ ]  
- Italian Villa [ ]  
- Italianate [ ]  
- Renaissance Revival [ ]  
- Second Empire [ ]
- Queen Anne [ ]  
- Romantic Revival [ ]
- Neo-Gothic [ ]  
- Period Revival [ ]  
- Colonial Revival [ ]
- Edwardian Classicism [ ]  
- Bungalow [ ]  
- Prairie/Four Square [ ]  
- Art Deco [ ]
- Art Moderne [ ]  
- International [ ]  
- Victory Housing[ ]  
- '50's Contempo [ ]
- Post Modern [ ]  
- Other:

---

**Notable building features:**

**Lintel(s):**
- Porch [ ]  
- Verandah [ ]  
- Door(s) [ ]  
- Window(s) [ ]  
- Sill(s) [ ]

**Shutters:**
- Quoins [ ]  
- Decorative barge board [ ]  
- Decorative cornice [ ]

**Decorative woodwork:**
- Finials [ ]  
- Spire/tower [ ]  
- Columns/pillasters [ ]  
- Other [ ]

**Integrity:**
- Much Altered [ ]  
- Altered [X]  
- Little altered [ ]

---

**Historical associations if known:**

Representative of worker’s type housing in the North End

---

**Associated cultural heritage landscape:** Burlington Street East

---

MHBC: Built Heritage Resource Field Survey form
Street Address: 134 Burlington Street East
Given or popular name: _______________

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential [X]</th>
<th>200 Religious [ ]</th>
<th>300 Public/Institutional [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>400 Commercial [ ]</td>
<td>500 Industrial [ ]</td>
<td>600 Transpn/Eng Wrks/Utilities [ ]</td>
</tr>
<tr>
<td></td>
<td>700 Farmstead [ ]</td>
<td>800 Other [ ]</td>
<td></td>
</tr>
</tbody>
</table>

Construction period: Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [X] 1939-55 [ ] 1955-71[ ] Post 1970s [ ]
Date if known: ___________________
Builder/craftsperson if known: __________________________

<table>
<thead>
<tr>
<th>Building Fabric:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation construction material: Stone [ ] Brick [ ] Concrete [X] Other__________</td>
</tr>
<tr>
<td>Main building construction material: Brick [ ] Frame [X] Stone [ ] Log [ ] Other</td>
</tr>
<tr>
<td>Building cladding:</td>
</tr>
<tr>
<td>Roof construction material: Wood shingles [ ] Slate [ ] Asphalt [X] Asbestos [ ] Other</td>
</tr>
<tr>
<td>Storeys: One [ ] One-and-a-half [ ] Two [X] Two-and-a-half [ ] Other</td>
</tr>
<tr>
<td>Roof type: Front gable [X] Side gable [ ] Cross/Centre gabled [ ] Hip [ ] Other</td>
</tr>
</tbody>
</table>

Architecture:
Vernacular [X]
Influence Architectural Style: Georgian [ ] Gothic Revival [ ] Greek Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]
Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]
Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]
Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]
Art Moderne [ ] International [ ] Victory Housing[ ] ‘50’s Contempo [ ]
Post Modern [ ] Other: ________________

Notable building features: Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]
Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]
Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ]

Integrity: Much Altered [ ] Altered [X] Little altered [ ]

Historical associations if known:
Representative of worker’s type housing in the North End

Associated cultural heritage landscape: Burlington Street East
Street Address: 136 Burlington Street East
Given or popular name: 

<table>
<thead>
<tr>
<th>Feature type</th>
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<th>300 Public/Institutional [ ]</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>400 Commercial [ ]</td>
<td>500 Industrial [ ]</td>
<td>600 Transptn/Eng Wrks/Utilities [ ]</td>
</tr>
<tr>
<td></td>
<td>700 Farmstead [ ]</td>
<td>800 Other [ ]</td>
<td></td>
</tr>
</tbody>
</table>

Construction period: Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [X] 1939-55 [ ] 1955-71 [ ] Post 1970s [ ]
Date if known: _______________
Builder/crafts person if known: ______________________

Building Fabric:
Foundation construction material: Stone [ ] Brick [ ] Concrete [X] Other__________
Main building construction material: Brick [ ] Frame [X] Stone [ ] Log [ ]
Other
Building cladding:
Wooden [ ] Type: ____________ Stone [ ] Stucco [ ]
Synthetic [X] Other__________
Roof construction material:
Wood shingles [ ] Slate [ ] Asphalt [X] Asbestos [ ]
Other

Storeys:
One [ ] One-and-a-half [ ] Two [X] Two-and-a-half [ ] Other

Roof type:
Front gable [X] Side gable [ ] Cross/Centre gabled [ ] Hip [ ] Other

Architecture:
Vernacular [X]
Influence Architectural Style:
Georgian [ ] Neo-Classical [ ] Regency [ ] Classic Revival [ ]
Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]
Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]
Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]
Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]
Art Moderne [ ] International [ ] Victory Housing[ ] ‘50’s Contempo [ ]
Post Modern [ ] Other

Notable building features:
Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]
Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]
Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ]

Integrity:
Much Altered [ ] Altered [X] Little altered [ ]

Historical associations if known:
Representative of worker’s type housing in the North End

Associated cultural heritage landscape: Burlington Street East
Street Address: 138 Burlington Street East
Given or popular name: 

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential</th>
<th>200 Religious</th>
<th>300 Public/Institutional</th>
<th>400 Commercial</th>
<th>500 Industrial</th>
<th>600 Transptn/Eng Wrks/Utilities</th>
<th>700 Farmstead</th>
<th>800 Other</th>
</tr>
</thead>
</table>

Construction period:
- Pre-1867
- 1868-1900
- 1901-1939 [X] 1939-55
- 1955-71
- Post 1970s

Date if known:
Builder/craftsperson if known:

Building Fabric:
- Foundation construction material:
  - Stone
  - Brick
  - Concrete [X]
  - Other
- Main building construction material:
  - Brick
  - Frame [X]
  - Stone
  - Log
  - Other
- Building cladding:
  - Wooden
  - Type: ___________
  - Stone
  - Stucco
  - Synthetic [X]
  - Other
- Roof construction material:
  - Wood shingles
  - Slate
  - Asphalt [X]
  - Asbestos
  - Other
- Storeys:
  - One
  - One-and-a-half
  - Two [X]
  - Two-and-a-half
  - Other
- Roof type:
  - Front gable [X]
  - Side gable
  - Cross/Centre gabled
  - Hip
  - Other

Architecture:
- Vernacular [X]

Influences and Architectural Style:
- Georgian
- Gothic Revival
- Queen Anne
- Beaux-Arts Classicism
- Edwardian Classicism
- Art Moderne
- Post Modern

Notable building features:
- Porch
- Verandah
- Door(s)
- Window(s)
- Sill(s)
- Shutters
- Quoins
- Decorative barge board
- Decorative cornice
- Decorative woodwork
- Finials
- Spire/tower
- Columns/pilasters
- Other

Integrity:
- Much Altered
- Altered [X]
- Little altered

Historical associations:
Representative of worker's type housing in the North End

Associated cultural landscape: Burlington Street East
**Street Address:** 140 Burlington Street  
**Given or popular name:**

<table>
<thead>
<tr>
<th>Feature type:</th>
<th>100 Residential [X]</th>
<th>200 Religious [ ]</th>
<th>300 Public/Institutional [ ]</th>
<th>400 Commercial [ ]</th>
<th>500 Industrial [ ]</th>
<th>600 Transpnt/Eng Wrks/Utilities [ ]</th>
<th>700 Farmstead [ ]</th>
<th>800 Other [ ]</th>
</tr>
</thead>
</table>

**Construction period:** Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [ ] 1939-55 [ ] 1955-71 [ ] Post 1970s [X]

**Date if known:**___________________  
**Builder/craftsperson if known:**________________________

<table>
<thead>
<tr>
<th>Building Fabric:</th>
<th>Foundation construction material: Stone [ ]</th>
<th>Brick [ ]</th>
<th>Concrete [X]</th>
<th>Other</th>
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</thead>
<tbody>
<tr>
<td>Main building construction material: Brick [ ]</td>
<td>Frame [X]</td>
<td>Stone [ ]</td>
<td>Log [ ]</td>
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</tr>
<tr>
<td>Building cladding: Wooden [ ]</td>
<td>Type: __________________</td>
<td>Stone [ ]</td>
<td>Stucco [ ]</td>
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</tr>
<tr>
<td>Synthetic [X]</td>
<td>Other_Brick: __________________</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Roof construction material: Wood shingles [ ]</td>
<td>Slate [ ]</td>
<td>Asphalt [X]</td>
<td>Asbestos [ ]</td>
<td></td>
</tr>
<tr>
<td>Storeys:</td>
<td>One [ ]</td>
<td>One-and-a-half [ ]</td>
<td>Two [X]</td>
<td>Two-and-a-half [ ]</td>
</tr>
<tr>
<td>Roof type:</td>
<td>Front gable [X]</td>
<td>Side gable [ ]</td>
<td>Cross/Centre gabled [ ]</td>
<td>Hip [X]</td>
</tr>
</tbody>
</table>

**Architecture:**

**Vernacular [X]**

**Influence/Architectural Style:**

- Georgian [ ]  
- Gothic Revival [ ]  
- Queen Anne [ ]  
- Beaux-Arts Classicism [X]  
- Edwardian Classicism [ ]  
- Art Moderne [ ]  
- Post Modern [ ]

**Notable building features:** Porch [ ]  
Verandah [ ]  
Door(s) [ ]  
Window(s) [ ]  
Sill(s) [ ]  
Lintel(s) [ ]  
Shutters [ ]  
Quoins [ ]  
Decorative barge board [ ]  
Decorative cornice [ ]

**Integrity:** Much Altered [ ]  
Altered [ ]  
Little altered [ ]

**Historical associations if known:** Later 20th century infill

**Associated cultural heritage landscape:** Burlington Street East

---

MHBC: Built Heritage Resource Field Survey form
Street Address: 144 Burlington Street East

Given or popular name:  

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential [X]</th>
<th>200 Religious [ ]</th>
<th>300 Public/Institutional [ ]</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>400 Commercial [ ]</td>
<td>500 Industrial [ ]</td>
<td>600 Transpnt/Eng Wrks/Utilities [ ]</td>
</tr>
<tr>
<td></td>
<td>700 Farmstead [ ]</td>
<td>800 Other [ ]</td>
<td></td>
</tr>
</tbody>
</table>

Construction period: Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [X] 1939-55 [ ] 1955-71[ ] Post 1970s [ ]

Date if known: ___________________

Builder/craftperson if known: ____________________________

Building Fabric:

Foundation construction material: Stone [ ] Brick [ ] Concrete [X] Other [ ]
Main building construction material: Brick [ ] Frame [X] Stone [ ] Log [ ] Other [ ]
Building cladding:
Wooden [ ] Type: ____________________ Stone [ ] Stucco [ ]
Synthetic [X] Other [ ]
Roof construction material:
Wood shingles [ ] Slate [ ] Asphalt [X] Asbestos [ ] Other [ ]

Storeys:
One [ ] One-and-a-half [ ] Two [ ] Two-and-a-half [X] Other [ ]

Roof type:
Front gable [X] Side gable [ ] Cross/Centre gabled [ ] Hip [ ] Other [ ]

Architecture:
Vernacular [X]
Influence/Architectural Style:
Georgian [ ] Neo-Classical [ ] Regency [ ] Classic Revival [ ]
Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]
Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]
Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]
Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]
Art Moderne [ ] International [ ] Victory Housing[ ] ‘50’s Contempo [ ]
Post Modern [ ] Other:  

Notable building features:
Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]
Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]
Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pilasters [ ] Other [ ]

Integrity:
Much Altered [ ] Altered [X] Little altered [ ]

Historical associations:
Representative of worker’s type housing in the North End

Associated cultural heritage landscape: Burlington Street East

MHBC: Built Heritage Resource Field Survey form
### Street Address: 146 Burlington Street East

**Given or popular name:**

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential [X]</th>
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<th>300 Public/Institutional [ ]</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>400 Commercial [ ]</td>
<td>500 Industrial [ ]</td>
<td>600 Transpn/Eng Wrks/Utilities [ ]</td>
</tr>
<tr>
<td></td>
<td>700 Farmstead [ ]</td>
<td>800 Other [ ]</td>
<td></td>
</tr>
</tbody>
</table>

**Construction period:** Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [X] 1939-55 [ ] 1955-71[ ] Post 1970s [ ]

**Date if known:** ____________________

**Builder/craftsperson if known:** ____________________

---

**Building Fabric:**

<table>
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<tr>
<th>Foundation construction material:</th>
<th>Stone [ ]</th>
<th>Brick [ ]</th>
<th>Concrete [ X ]</th>
<th>Other [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main building construction material:</td>
<td>Brick [ ]</td>
<td>Frame [ X ]</td>
<td>Stone [ ]</td>
<td>Log [ ]</td>
</tr>
<tr>
<td>Building cladding:</td>
<td>Wooden [ ] Type:</td>
<td>Stone [ ]</td>
<td>Stucco [ ]</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Synthetic [ X ] Other [ ]</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Roof construction material:</td>
<td>Wood shingles [ ]</td>
<td>Slate [ ]</td>
<td>Asphalt [ X ]</td>
<td>Asbestos [ ]</td>
</tr>
</tbody>
</table>

**Storeys:**

| One [ ] | One-and-a-half [ ] | Two [ ] | Two-and-a-half [ X ] | Other [ ] |

**Roof type:**

| Front gable [ X ] | Side gable [ ] | Cross/Centre gabled [ ] | Hip [ ] | Other [ ] |

---

**Architecture:**

**Vernacular:**

**Influence Architectural Style:**

- Georgian [ ]
- Gothic Revival [ ]
- Gothic Anne [ ]
- Beaux-Arts Classicism [ ]
- Edwardian Classicism [ ]
- Art Moderne [ ]
- Post Modern [ ]

**Neo-Classical [ ]**

- Neoclassical [ ]
- Italian Villa [ ]
- Romanesque Revival [ ]
- Renaissance Revival [ ]
- Bungalow [ ]
- International [ ]

**Regency [ ]**

- Italianate [ ]
- Chateau [ ]
- Prairie/Four Square [ ]
- Victory Housing[ ]

**Classic Revival [ ]**

- Second Empire [ ]
- Period Revival [ ]
- Art Deco [ ]

- Colonial Revival [ ]
- '50's Contempo [ ]

- Romantic Revival [ ]

- Beaux-Arts Classicism [ ]

- Vernacular [ X ]

---

**Notable building features:**

<table>
<thead>
<tr>
<th>Porch [ ]</th>
<th>Verandah [ ]</th>
<th>Door(s) [ ]</th>
<th>Window(s) [ ]</th>
<th>Sill(s) [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lintel(s) [ ]</td>
<td>Shutters [ ]</td>
<td>Quoins [ ]</td>
<td>Decorative barge board [ ]</td>
<td>Decorative cornice [ ]</td>
</tr>
<tr>
<td>Decorative woodwork [ ]</td>
<td>Finials [ ]</td>
<td>Spire/tower [ ]</td>
<td>Columns/pillasters [ ]</td>
<td>Other [ ]</td>
</tr>
</tbody>
</table>

**Integrity:**

| Much Altered [ ] | Altered [ X ] | Little altered [ ] |

---

**Historical associations if known:**

Representative of worker's type housing in the North End

---

**Associated cultural landscape:** Burlington Street East
Street Address: 148-150 Burlington Street East
Given or popular name: 

<table>
<thead>
<tr>
<th>Feature type</th>
<th>100 Residential [X]</th>
<th>200 Religious [ ]</th>
<th>300 Public/Institutional [ ]</th>
<th>400 Commercial [ ]</th>
<th>500 Industrial [ ]</th>
<th>600 Transp/Eng Wrks/Utilities [ ]</th>
<th>700 Farmstead [ ]</th>
<th>800 Other [ ]</th>
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</thead>
<tbody>
<tr>
<td>Construction period</td>
<td>Pre-1867 [ ]</td>
<td>1868-1900 [ ]</td>
<td>1901-1939 [ ]</td>
<td>1939-55 [ ]</td>
<td>1955-71 [ ]</td>
<td>Post 1970s [X]</td>
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<td>Date if known:</td>
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<td></td>
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<tr>
<td>Builder/craftsperson if known:</td>
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<td></td>
<td></td>
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<table>
<thead>
<tr>
<th>Building Fabric:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation construction material: Stone [ ] Brick [ ] Concrete [X] Other [ ]</td>
</tr>
<tr>
<td>Main building construction material: Brick [ ] Frame [X] Stone [ ] Log [ ] Other [ ]</td>
</tr>
<tr>
<td>Building cladding: Wooden [ ] Type: Brick [ ] Stone [ ] Stucco [ ] Synthetic [ ] Other [ ]</td>
</tr>
<tr>
<td>Roof construction material: Wood shingles [ ] Slate [ ] Asphalt [X] Asbestos [ ] Other [ ]</td>
</tr>
<tr>
<td>Storeys: One [ ] One-and-a-half [ ] Two [ ] Two-and-a-half [ ] Other [ ]</td>
</tr>
<tr>
<td>Roof type: Front gable [X] Side gable [ ] Cross/Centre gabled [ ] Hip [ ] Other [ ]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Architecture:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vernacular [ ]</td>
</tr>
<tr>
<td>Influence Architectural Style:</td>
</tr>
<tr>
<td>Georgian [ ] Neo-Classical [ ] Regency [ ] Classic Revival [ ]</td>
</tr>
<tr>
<td>Gothic Revival [ ] Italian Revival [ ] Italianate [ ] Second Empire [ ]</td>
</tr>
<tr>
<td>Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]</td>
</tr>
<tr>
<td>Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]</td>
</tr>
<tr>
<td>Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]</td>
</tr>
<tr>
<td>Art Moderne [ ] International [ ] Victory Housing [ ] '50's Contempo [ ]</td>
</tr>
<tr>
<td>Post Modern [ ] Other [ ]</td>
</tr>
</tbody>
</table>

| Notable building features: | Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ] Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ] |
|---------------------------|------------------|---------------|-------------|-------------|----------------|----------------|----------------|------------------|-------------------|
| Decorative woodwork [ ] | Finials [ ] Spire/tower [ ] Columns/pillasters [ ] Other [ ] |
| Integrity: | Much Altered [ ] Altered [ ] Little altered [X] |

<table>
<thead>
<tr>
<th>Historical associations if known:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Later 20th century infill</td>
</tr>
</tbody>
</table>

Associated cultural heritage landscape: Burlington Street East
**Project:**
Date of survey(s): October 28, 2013 Recorder L. Jones

---

**Street Address:** 152 Burlington Street East
Given or popular name: ______________________

---

**Feature type:**
- [X] 100 Residential
- [ ] 200 Religious
- [ ] 300 Public/Institutional
- [ ] 400 Commercial
- [ ] 500 Industrial
- [ ] 600 Transptn/Eng Wrks/Utilities
- [ ] 700 Farmstead
- [ ] 800 Other

**Construction period:**

- Pre-1867
- 1868-1900
- 1901-1939
- 1939-55 [X]
- 1955-71
- Post 1970s

**Date if known:** ______________________
**Builder/craftsperson if known:** ______________________

---

**Building Fabric:**

- **Foundation construction material:**
  - Stone [ ]
  - Brick [ ]
  - Concrete [X]
  - Other________

- **Main building construction material:**
  - Brick [X]
  - Frame [ ]
  - Stone [ ]
  - Log [ ]
  - Other________

- **Building cladding:**
  - Wooden [ ]
  - Type: ___
  - Stone [ ]
  - Stucco [ ]
  - Synthetic [ ]
  - Other__Brick

- **Roof construction material:**
  - Wood shingles [ ]
  - Slate [ ]
  - Asphalt [X]
  - Asbestos [ ]

- **Storeys:**
  - One [ ]
  - One-and-a-half [X]
  - Two [ ]
  - Two-and-a-half [ ]
  - Other

- **Roof type:**
  - Front gable [ ]
  - Side gable [X]
  - Cross/Centre gabled [ ]
  - Hip [ ]
  - Other

---

**Architecture:**

- **Vernacular** [X]
- **Influence Architectural Style:**
  - Georgian [ ]
  - Neo-Classical [ ]
  - Regency [ ]
  - Classic Revival [ ]
  - Gothic Revival [ ]
  - Italian Villa [ ]
  - Italianate [ ]
  - Second Empire [ ]
  - Queen Anne [ ]
  - Romanesque Revival [ ]
  - Renaissance Revival [ ]
  - Chateau [ ]
  - Beaux-Arts Classicism [ ]
  - Neo-Gothic [ ]
  - Period Revival [ ]
  - Colonial Revival [ ]
  - Edwardian Classicism [ ]
  - Bungalow [ ]
  - Prairie/Four Square [ ]
  - Art Deco [ ]
  - Art Moderne [ ]
  - International [ ]
  - Victory Housing [ ]
  - '50's Contempo [ ]
  - Post Modern [ ]

- **Notable building features:**
  - Porch [ ]
  - Verandah [ ]
  - Door(s) [ ]
  - Window(s) [ ]
  - Sill(s) [ ]
  - Lintel(s) [ ]
  - Shutters [ ]
  - Quoins [ ]
  - Decorative barge board [ ]
  - Decorative cornice [ ]
  - Decorative woodwork [ ]
  - Finials [ ]
  - Spire/tower [ ]
  - Columns/pilasters [ ]
  - Other [ ]

- **Integrity:**
  - Much Altered [ ]
  - Altered [X]
  - Little altered [ ]

**Historical associations:** If known:

- Mid 20th century infill

---

**Associated cultural heritage landscape:** Burlington Street East

---

MHBC: Built Heritage Resource Field Survey form
**Feature type:** 100 Residential [X] 200 Religious [ ] 300 Public/Institutional [ ] 400 Commercial [ ] 500 Industrial [ ] 600 Transpnl/Eng Wrks/Utilities [ ] 700 Farmstead [ ] 800 Other [ ]

**Construction period:** Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [ ] 1939-55 [ ] 1955-71 [ ] Post 1970s [X]  

**Date if known:** ____________________  
**Builder/craftsperson if known:** __________________________

**Building Fabric:**  
**Foundation construction material:** Stone [ ] Brick [ ] Concrete [X] Other [ ]  
**Main building construction material:** Brick [ ] Frame [X] Stone [ ] Log [ ] Other [ ]

**Building cladding:**  
**Roof construction material:** Wood shingles [ ] Slate [ ] Asphalt [X] Asbestos [ ] Other [ ]

**Storeys:** One [ ] One-and-a-half [ ] Two [X] Two-and-a-half [ ] Other [ ]

**Roof type:** Front gable [ ] Side gable [ ] Cross/Centre gabled [ ] Hip [X] Other [ ]

**Architecture:**  
**Influence/Architectural Style:**  
**Notable building features:** Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ] Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]

**Integrity:** Much Altered [ ] Altered [X] Little altered [ ]

**Historical associations if known:**  
Later 20th century infill

**Associated cultural landscape:** Burlington Street East
**Streets Address:** 156 Burlington Street East

**Given or popular name:**

---

**Feature type:**
- 100 Residential [X]
- 200 Religious [ ]
- 300 Public/Institutional [ ]
- 400 Commercial [ ]
- 500 Industrial [ ]
- 600 Transpnt/Eng Wrks/Utilities [ ]
- 700 Farmstead [ ]
- 800 Other [ ]

**Construction period:**
- Pre-1867 [ ]
- 1868-1900 [ ]
- 1901-1939 [X]
- 1939-55 [ ]
- 1955-71 [ ]
- Post 1970s [ ]

**Date if known:** ___________________

**Builder/craftsperson if known:** __________________________

---

**Building Fabric:**

**Foundation construction material:**
- Stone [ ]
- Brick [ ]
- Concrete [X]
- Other__________

**Main building construction material:**
- Brick [ ]
- Frame [X]
- Stone [ ]
- Log [ ]
- Other__________

**Building cladding:**
- Wooden [ ]
- Type: __________________________
- Stone [ ]
- Stucco [ ]
- Synthetic [X]
- Other__________

**Roof construction material:**
- Wood shingles [ ]
- Slate [ ]
- Asphalt [X]
- Asbestos [ ]
- Other__________

**Storeys:**
- One [ ]
- One-and-a-half [ ]
- Two [ ]
- Two-and-a-half [X]
- Other__________

**Roof type:**
- Front gable [X]
- Side gable [ ]
- Cross/Centre gabled [ ]
- Hip [ ]
- Other__________

---

**Architecture:**

**Vernacular [X]**

**Influence Architectural Style:**
- Georgian [ ]
- Neo-Classical [ ]
- Regency [ ]
- Classic Revival [ ]
- Gothic Revival [ ]
- Italian Villa [ ]
- Italianate [ ]
- Second Empire [ ]
- Queen Anne [ ]
- Romanesque Revival [ ]
- Renaissance Revival [ ]
- Chateau [ ]
- Beaux-Arts Classicism [ ]
- Neo-Gothic [ ]
- Period Revival [ ]
- Colonial Revival [ ]
- Edwardian Classicism [ ]
- Bungalow [ ]
- Prairie/Four Square [ ]
- Art Deco [ ]
- Art Moderne [ ]
- International [ ]
- Victory Housing[ ]
- '50's Contempo [ ]
- Post Modern [ ]
- Other: _______

**Notable building features:**
- Porch [ ]
- Verandah [ ]
- Door(s) [ ]
- Window(s) [ ]
- Sill(s) [ ]
- Lintel(s) [ ]
- Shutters [ ]
- Quoins [ ]
- Decorative barge board [ ]
- Decorative cornice [ ]
- Decorative woodwork [ ]
- Finials [ ]
- Spire/tower [ ]
- Columns/pilasters [ ]
- Other [ ]

**Integrity:**
- Much Altered [ ]
- Altered [X]
- Little altered [ ]

**Historical associations**

Representative of worker’s type housing in the North End

---

**Associated cultural heritage landscape:** Burlington Street East
**Street Address:**  160 Burlington Street

**Given or popular name:**

---

**Feature type:**
- 100 Residential [X]
- 200 Religious [ ]
- 300 Public/Institutional [ ]
- 400 Commercial [ ]
- 500 Industrial [ ]
- 600 Transptn/Eng Wrks/Utilities [ ]
- 700 Farmstead [ ]
- 800 Other [ ]

**Construction period:**
- Pre-1867 [ ]
- 1868-1900 [ ]
- 1901-1939 [X]
- 1939-55 [ ]
- 1955-71 [ ]
- Post 1970s [ ]

**Date if known:**

**Builder/craftsperson if known:**

---

**Building Fabric:**
- **Foundation construction material:**
  - Stone [ ]
  - Brick [ ]
  - Concrete [X]
  - Other [ ]
- **Main building construction material:**
  - Brick [X]
  - Frame [ ]
  - Stone [ ]
  - Log [ ]
  - Other [ ]
- **Building cladding:**
  - Wooden [ ]
  - Type:___
  - Stone [ ]
  - Stucco [ ]
  - Synthetic [ ]
  - Other [ ]
- **Roof construction material:**
  - Wood shingles [ ]
  - Slate [ ]
  - Asphalt [X]
  - Asbestos [ ]
  - Other [ ]
- **Storeys:**
  - One [ ]
  - One-and-a-half [X]
  - Two [ ]
  - Two-and-a-half [ ]
  - Other [ ]
- **Roof type:**
  - Front gable [ ]
  - Side gable [ ]
  - Cross/Centre gabled [ ]
  - Hip [X]
  - Other [ ]

---

**Architecture:**
**Vernacular [X]**
**Influence Architectural Style:**
- Georgian [ ]
- Neo-Classical [ ]
- Regency [ ]
- Classic Revival [ ]
- Gothic Revival [ ]
- Italian Villa [ ]
- Italianate [ ]
- Second Empire [ ]
- Queen Anne [ ]
- Romanesque Revival [ ]
- Renaissance Revival [ ]
- Chateau [ ]
- Beaux-Arts Classicism [ ]
- Neo-Gothic [ ]
- Period Revival [ ]
- Colonial Revival [ ]
- Edwardian Classicism [ ]
- Bungalow [ ]
- Prairie/Four Square [ ]
- Art Deco [ ]
- Art Moderne [ ]
- International [ ]
- Victory Housing[ ]
- ‘50’s Contempo [ ]
- Post Modern [ ]

---

**Notable building features:**
- Porch [ ]
- Verandah [ ]
- Door(s) [ ]
- Window(s) [ ]
- Sill(s) [ ]
- Lintel(s) [ ]
- Shutters [ ]
- Quoins [ ]
- Decorative barge board [ ]
- Decorative cornice [ ]
- Decorative woodwork [ ]
- Finials [ ]
- Spire/tower [ ]
- Columns/pillasters [ ]
- Other [ ]

**Integrity:**
- Much Altered [ ]
- Altered [X]
- Little altered [ ]

**Historical associations if known:**

- Representative of worker’s type housing in the North End

---

**Associated cultural heritage landscape:**  Burlington Street East
**Street Address:** 162 Burlington Street  
**Feature type:**  
- 100 Residential [ X ]  
- 200 Religious [ ]  
- 300 Public/Institutional [ ]  
- 400 Commercial [ ]  
- 500 Industrial [ ]  
- 600 Transptn/Eng Wrks/Utilities [ ]  
- 700 Farmstead [ ]  
- 800 Other [ ]  
**Construction period:** Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [ X ] 1939-55 [ ] 1955-71 [ ] Post 1970s [ ]  
**Date if known:** ____________________  
**Builder/crafts person if known:** __________________________  
**Foundation construction material:**  
- Stone [ ]  
- Brick [ ]  
- Concrete [ X ]  
- Other__________  
**Main building construction material:**  
- Brick [ X ]  
- Frame [ ]  
- Stone [ ]  
- Log [ ]  
- Other__________  
**Building cladding:**  
- Wooden [ ]  
- Type: ___  
- Stone [ ]  
- Stucco [ ]  
- Synthetic [ ]  
- Other__________  
**Roof construction material:**  
- Wood shingles [ ]  
- Slate [ ]  
- Asphalt [ X ]  
- Asbestos [ ]  
- Other__________  
**Storeys:**  
- One [ ]  
- One-and-a-half [ X ]  
- Two [ ]  
- Two-and-a-half [ ]  
- Other__________  
**Roof type:**  
- Front gable [ ]  
- Side gable [ ]  
- Cross/Centre gabled [ ]  
- Hip [ X ]  
- Other__________  
**Architecture:**  
**Vernacular** [ X ]  
**Influence Architectural Style:**  
- Georgian [ ]  
- Neo-Classical [ ]  
- Regency [ ]  
- Classic Revival [ ]  
- Gothic Revival [ ]  
- Italian Villa [ ]  
- Italianate [ ]  
- Second Empire [ ]  
- Queen Anne [ ]  
- Romanesque Revival [ ]  
- Renaissance Revival [ ]  
- Chateau [ ]  
- Beaux-Arts Classicism [ ]  
- Neo-Gothic [ ]  
- Period Revival [ ]  
- Colonial Revival [ ]  
- Edwardian Classicism [ ]  
- Bungalow [ ]  
- Prairie/Four Square [ ]  
- Art Deco [ ]  
- Art Moderne [ ]  
- International [ ]  
- Victory Housing[ ]  
- '50's Contempo [ ]  
- Post Modern [ ]  
- Other:__________  
**Notable building features:**  
- Porch [ ]  
- Verandah [ ]  
- Door(s) [ ]  
- Window(s) [ ]  
- Sill(s) [ ]  
- Lintel(s) [ ]  
- Shutters [ ]  
- Quoins [ ]  
- Decorative barge board [ ]  
- Decorative cornice [ ]  
- Decorative woodwork [ ]  
- Finials [ ]  
- Spire/tower [ ]  
- Columns/pillasters [ ]  
- Other[ ]  
**Integrity:** Much Altered [ ]  
- Altered [ X ]  
- Little altered [ ]  
**Historical associations if known:**  
Representative of worker's type housing in the North End  
**Associated cultural landscape:** Burlington Street East  

MHBC: Built Heritage Resource Field Survey form
**Project:**
Date of survey(s): October 28, 2013  
Recorder L. Jones

---

**Street Address:** 164 Burlington Street  
**Given or popular name:**

---

### Feature type:
- 100 Residential [ X ]  
- 200 Religious [ ]  
- 300 Public/Institutional [ ]  
- 400 Commercial [ ]  
- 500 Industrial [ ]  
- 600 Transptn/Eng Wrks/Utilities [ ]  
- 700 Farmstead [ ]  
- 800 Other [ ]

**Construction period:**
- Pre-1867 [ ]  
- 1868-1900 [ ]  
- 1901-1939 [ X ]  
- 1939-55 [ ]  
- 1955-71 [ ]  
- Post 1970s [ ]

---

**Building Fabric:**

| Foundation construction material: | Stone [ ]  
| Brick [ ]  
| Concrete [ X ]  
| Other ________ |  
| Main building construction material: | Brick [ X ]  
| Frame [ ]  
| Stone [ ]  
| Log [ ]  
| Other ________ |  
| Building cladding: | Wooden [ ]  
| Type: ___________________ Stone [ ]  
| Stucco [ ]  
| Synthetic [ ]  
| Other ________ |  
| Roof construction material: | Wood shingles [ ]  
| Slate [ ]  
| Asphalt [ X ]  
| Asbestos [ ]  
| Other ________ |  

**Storeys:**
- One [ ]  
- One-and-a-half [ X ]  
- Two [ ]  
- Two-and-a-half [ ]  
- Other ________

**Roof type:**
- Front gable [ ]  
- Side gable [ ]  
- Cross/Centre gabled [ ]  
- Hip [ X ]  
- Other ________

**Architecture:**

- Vernacular [ X ]
- Influence Architectural Style:  
  - Georgian [ ]  
  - Neo-Classical [ ]  
  - Regency [ ]  
  - Classic Revival [ ]  
  - Gothic Revival [ ]  
  - Italian Villa [ ]  
  - Italianate [ ]  
  - Second Empire [ ]  
  - Queen Anne [ ]  
  - Romanesque Revival [ ]  
  - Renaissance Revival [ ]  
  - Chateau [ ]  
  - Beaux-Arts Classicism [ ]  
  - Neo-Gothic [ ]  
  - Period Revival [ ]  
  - Colonial Revival [ ]  
  - Edwardian Classicism [ ]  
  - Bungalow [ ]  
  - Prairie/Four Square [ ]  
  - Art Deco [ ]  
  - Art Moderne [ ]  
  - International [ ]  
  - Victory Housing[ ]  
  - ‘50’s Contempo [ ]
  - Post Modern [ ]  
  - Other: ________

**Notable building features:**
- Porch [ ]  
- Verandah [ ]  
- Door(s) [ ]  
- Window(s) [ ]  
- Sill(s) [ ]  
- Lintel(s) [ ]  
- Shutters [ ]  
- Quoins [ ]  
- Decorative barge board [ ]  
- Decorative cornice [ ]
- Decorative woodwork [ ]  
- Finials [ ]  
- Spire/tower [ ]  
- Columns/pilasters [ ]  
- Other [ ]

**Integrity:**
- Much Altered [ ]  
- Altered [ X ]  
- Little altered [ ]

**Historical associations if known:**

Representative of worker’s type housing in the North End

**Associated cultural heritage landscape:**

Burlington Street East
**Street Address:** 201 Burlington Street/650 Ferguson Avenue North

**Given or popular name:**

<table>
<thead>
<tr>
<th>Feature type:</th>
<th>100 Residential</th>
<th>200 Religious</th>
<th>300 Public/Institutional</th>
<th>400 Commercial</th>
<th>500 Industrial</th>
<th>600 Transp/Eng Wrks/Utilities</th>
<th>700 Farmstead</th>
<th>800 Other</th>
</tr>
</thead>
</table>

**Construction period:** Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [ ] 1939-55 [ ] 1955-71 [ ] Post 1970s [X]

**Date if known:**

**Builder/craftsperson if known:**

**Building Fabric:**

<table>
<thead>
<tr>
<th>Foundation construction material:</th>
<th>Stone [ ]</th>
<th>Brick [ ]</th>
<th>Concrete [X]</th>
<th>Other [ ]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main building construction material:</td>
<td>Brick [ ]</td>
<td>Frame [ ]</td>
<td>Stone [ ]</td>
<td>Log [ ]</td>
</tr>
<tr>
<td>Building cladding:</td>
<td>Wooden [ ]</td>
<td>Type:</td>
<td>____________</td>
<td>Stone [ ]</td>
</tr>
<tr>
<td>Roof construction material:</td>
<td>Wood shingles [ ]</td>
<td>Slate [ ]</td>
<td>Asphalt [ ]</td>
<td>Asbestos [ ]</td>
</tr>
</tbody>
</table>

| Storeys: | One [ ] | One-and-a-half [ ] | Two [ ] | Two-and-a-half [ ] | Other [ ] | 1-4 [ ] |
| Roof type: | Front gable [ ] | Side gable [ ] | Cross/Centre gabled [ ] | Hip [ ] | Other [ ] | flat [ ] |

**Architecture:**

| Vernacular [ ] | Neo-Classical [ ] | Regency [ ] | Classic Revival [ ] |
|                | Italian Villa [ ] | Italianate [ ] | Second Empire [ ] |
| Queen Anne [ ] | Romanesque Revival [ ] | Renaissance Revival [ ] | Chateau [ ] |
| Beaux-Arts Classicism [ ] | Neo-Gothic [ ] | Period Revival [ ] | Colonial Revival [ ] |
| Edwardian Classicism [ ] | Bungalow [ ] | Prairie/Four Square [ ] | Art Deco [ ] |
| Art Moderne [ ] | International [ ] | Victory Housing[ ] | 50's Contempo [ ] |

**Post Modern [ ]**

**Notable building features:**

| Porch [ ] | Verandah [ ] | Door(s) [ ] | Window(s) [ ] | Sill(s) [ ] |
| Lintel(s) [ ] | Shutters [ ] | Quoins [ ] | Decorative barge board [ ] | Decorative cornice [ ] |
| Decorative woodwork [ ] | Finials [ ] | Spire/tower [ ] | Columns/pilasters [ ] | Other [ ] |

**Integrity:** Much Altered [ ] Altered [X] Little altered [ ]

**Historical associations if known:**

Former brewery

**Associated cultural heritage landscape:** Burlington Street/Ferguson Avenue North
Street Address: 540 Ferguson Avenue North
Given or popular name: ________________________________

| Feature type: | 100 Residential [X] | 200 Religious [ ] | 300 Public/Institutional [ ] |
|              | 400 Commercial [ ]   | 500 Industrial [ ] | 600 Transptn/Eng Wrks/Utilities [ ] |
|              | 700 Farmstead [ ]    | 800 Other [ ]      |

Construction period: Pre-1867 [ ] 1868-1900 [ ] 1901-1939 [X] 1939-55 [ ] 1955-71[ ] Post 1970s [ ]
Date if known: _____________________ Builder/craftsperson if known: __________________________

Building Fabric:
Foundation construction material: Stone [ ] Brick [ ] Concrete [X] Other__________
Main building construction material: Brick [ ] Frame [X] Stone [ ] Log [ ]
Building cladding: Wooden [ ] Type: _______________ Stone [ ] Stucco [ ]
Synthetic [X] Other
Roof construction material: Wood shingles [ ] Slate [ ] Asphalt [X] Asbestos [ ]
Other
Storeys: One [ ] One-and-a-half [ ] Two [X] Two-and-a-half [ ] Other
Roof type: Front gable [ ] Side gable [X] Cross/Centre gabled [ ] Hip [ ] Other

Architecture:
Vernacular [X]
Influence Architectural Style:
Georgian [ ] Neo-Classical [ ] Regency [ ] Classic Revival [ ]
Gothic Revival [ ] Italian Villa [ ] Italianate [ ] Second Empire [ ]
Queen Anne [ ] Romanesque Revival [ ] Renaissance Revival [ ] Chateau [ ]
Beaux-Arts Classicism [ ] Neo-Gothic [ ] Period Revival [ ] Colonial Revival [ ]
Edwardian Classicism [ ] Bungalow [ ] Prairie/Four Square [ ] Art Deco [ ]
Art Moderne [ ] International [ ] Victory Housing[ ] ‘50’s Contempo [ ]
Post Modern [ ] Other:

Notable building features: Porch [ ] Verandah [ ] Door(s) [ ] Window(s) [ ] Sill(s) [ ]
Lintel(s) [ ] Shutters [ ] Quoins [ ] Decorative barge board [ ] Decorative cornice [ ]
Decorative woodwork [ ] Finials [ ] Spire/tower [ ] Columns/pillasters [ ] Other [ ]

Integrity: Much Altered [X] Altered [ ] Little altered [ ]

Historical associations if known:

Associated cultural heritage landscape: Ferguson Avenue North / Burlington Street East
APPENDIX C Cultural landscape inventory
Street Address(es): DISCOVERY DRIVE
Given or popular name:

Looking towards HWT Centre (north)  Looking South

Looking towards Guise St Entrance

**Cultural Heritage Landscape Type:**
- Farm complex [ ]
- Hamlet [ ]
- Industrial site [ ]
- Cemetery [ ]
- Roadscape [ X ]
- Waterscape [ ]
- Railway or former r.o.w [ ]
- Former or abandoned road r.o.w. [ ]
- Public Park [ ]
- Private Estate or Garden [ ]
- Agricultural Fairground [ ]
- Agricultural lands (Fields, hedges, fences, treelines) [ ]
- Other [ ]

**Integrity:**
- Little altered [ ]
- Altered [ ]
- Much altered [ X ]

Comments: *Redeveloped former industrial lands associated with harbour*

**Historical associations (If known):** *Late 20th century development*

**Landmark area name:** *Pier 8*

**Associated Built Heritage Resources (BHR#):**

---

**NOTES:**

**Views**
- views to the north are terminated by the harbour and vegetation
- views to the south are terminated by Guise Street

**Circulation**
- road oriented in north-south direction between harbour and Guise Street
- two-way asphalt road with one driving lane in each direction that experiences a medium level of traffic
- no on street parking
- asphalt pedestrian/bicycle path on west side of street

*Continued on next page...*
### Topography
- Sloping down towards HWT Centre (steeper grade at entrance from Guise Street)

### Vegetation
- Deciduous trees planted within boulevard separating pedestrian/bicycle path from road

### Landscape structures
- Light standards within boulevard separating pedestrian/bicycle path from road, and within boulevard along west side of road
- Boulders placed beneath signage within traffic island

### Character Summary
- Moderately busy road with medium level of vehicular traffic
- Medium level of pedestrian activity
- Enclosed spatial quality with terminated views and partial views of the lake
- Land use consists of passive recreation and harbour activities
Street Address(es): BROCK STREET (BETWEEN HUGHSON AND JOHN)
Given or popular name:

Looking South (near Hughson intersection)             Looking west towards Hughson (south side of street)

Looking west towards Hughson (north side of street)            Southwest corner (Brock and John Intersection)

**Cultural Heritage Landscape Type:**
- Farm complex [ ]
- Hamlet [ ]
- Industrial site [ ]
- Cemetery [ ]
- Roadscape [ X ]
- Waterscape [ ]
- Railway or former r.o.w [ ]
- Former or abandoned road r.o.w.[ ]
- Public Park [ ]
- Private Estate or Garden [ ]
- Agricultural Fairground [ ]
- Agricultural lands (Fields, hedges, fences, treelines) [ ]
- Other [ ]

**Integrity:**
- Little altered [ ]
- Altered [ X ]
- Much altered [ ]

Comments: Street pattern remains however paving materials within ROW have been replaced and new plantings have been installed on private property.

**Historical associations (If known):** Late 19th century development

**Landmark area name:**

**Associated Built Heritage Resources (BHR#):** 564 Hughson Street North (BHR # 13)

**NOTES:**

Views
- views to the east are terminated by a bend in the road
- views to the west are terminated by Hughson Street North

---

MHBC: Cultural Heritage Landscape Field Survey Form
<table>
<thead>
<tr>
<th><strong>Circulation</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>- section of road oriented in east-west direction between Hughson Street North and John Street North</td>
</tr>
<tr>
<td>- two-way asphalt road with one driving lane in each direction that experiences a low level of traffic</td>
</tr>
<tr>
<td>- on street parking along both sides of street</td>
</tr>
<tr>
<td>- concrete sidewalk located along south side of street with no boulevard</td>
</tr>
<tr>
<td>- front walkways and driveways located along south side of street</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Topography</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>- Sloping down from John to Hughson</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Vegetation</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>- no street trees present</td>
</tr>
<tr>
<td>- specimen trees and decorative plantings located on private property along south side of street</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Landscape structures</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>- light standards with overhead wires along south side of street</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Character Summary</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>- quiet, residential street with a low level of vehicular traffic</td>
</tr>
<tr>
<td>- low level of pedestrian activity</td>
</tr>
<tr>
<td>- partially enclosed special quality with terminated views and semi-mature tree canopy</td>
</tr>
<tr>
<td>- land use consists of residential lots</td>
</tr>
</tbody>
</table>
Street Addresses: BROCK STREET (BETWEEN JOHN AND CATHERINE)

Cultural Heritage Landscape Type: 
- Farm complex [ ]
- Hamlet [ ]
- Industrial site [ ]
- Cemetery [ ]
- Roadscape [X]
- Waterscape [ ]
- Railway or former r.o.w [ ]
- Former or abandoned road r.o.w.[ ]
- Public Park [ ]
- Private Estate or Garden [ ]
- Agricultural Fairground [ ]
- Agricultural lands (Fields, hedges, fences, treelines) [ ]
- Other [ ]

Integrity: Little altered [ ]
- Altered [X]
- Much altered [ ]

Comments: Street pattern remains however paving materials within ROW have been replaced and new plantings have been installed on private property.

Historical associations (If known): Late 19th century residential development

Landmark area name: ________________________________

Associated Built Heritage Resources (BHR#): ________________________________

NOTES:

Views
- views to the east are terminated by a bend in the road
- views to the west are terminated by Hughson Street North

Circulation
- section of road oriented in east-west direction between John Street North and Catharine Street North
- two-way asphalt road with one driving lane in each direction that experiences a low level of traffic
- on street parking along south side of street
- concrete sidewalk located along both sides of street with no boulevards
- front walkways and driveways located along south side of street, driveways located along north side of street

Topography
- Sloping down eastwardly towards Mary Street

Vegetation
- no street trees present
- specimen trees and decorative plantings located on private property along both sides of street

Landscape structures
- light standards with overhead wires along south side of street
- decorative metal fence, chain link fence, and wood privacy fence located along both sides of street

Continued on next page...
Character Summary
- quiet, residential street with a low level of vehicular traffic
- medium level of pedestrian activity
- partially enclosed special quality with terminated views and fencing on private property
- land use consists of residential lots and a residential high-rise apartment building
Street Address(es): BROCK STREET (BETWEEN CATHERINE AND MARY)

Given or popular name:

North side of street

South side of street

Looking east towards Mary St

Cultural Heritage Landscape Type:
- Farm complex [ ]
- Hamlet [ ]
- Industrial site [ ]
- Cemetery [ ]
- Roadscape [ X ]
- Waterscape [ ]
- Railway or former r.o.w [ ]
- Former or abandoned road r.o.w. [ ]
- Public Park [ ]
- Private Estate or Garden [ ]
- Agricultural Fairground [ ]
- Agricultural lands (Fields, hedges, fences, treelines) [ ]
- Other ________________

Integrity: Little altered [ ]
- Altered [ X ]
- Much altered [ ]

Comments: Street pattern remains however paving materials within ROW have been replaced and new plantings have been installed on private property

Historical associations (If known): Late 19th century residential development

Landmark area name: ________________________________

Associated Built Heritage Resources (BHR#): ________________________________

NOTES:

Views
- views to the east are terminated by a bend in the road
- views to the west are terminated by Hughson Street North

Continued on next page...
### Circulation
- section of road oriented in east-west direction between Catharine Street North and Mary Street
- two-way asphalt road with one driving lane in each direction that experiences a low level of traffic
- on street parking along south side of street
- concrete sidewalk located along both sides of street with no boulevards
- driveways located along south side of street

### Topography
- Sloping down eastwardly towards Mary Street

### Vegetation
- no street trees present
- specimen trees and decorative plantings located on private property along south side of street, deciduous trees located within Eastwood Park along north side of street

### Landscape structures
- light standards with overhead wires along south side of street
- wood privacy fence located along south side of street

### Character Summary
- quiet, residential street with a low level of vehicular traffic
- medium level of pedestrian activity
- open special quality with Eastwood Park located along north side of street
- land use consists of residential lots and public open space
Street Address(es): MARY STREET

Given or popular name: 

- Looking south
- Looking North

Parking area located at Mary and Burlington Sts Intersection

<table>
<thead>
<tr>
<th>Cultural Heritage Landscape Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Farm complex [ ]</td>
</tr>
<tr>
<td>Hamlet [ ]</td>
</tr>
<tr>
<td>Industrial site [ ]</td>
</tr>
<tr>
<td>Cemetery [ ]</td>
</tr>
<tr>
<td>Roadscape [ X ]</td>
</tr>
<tr>
<td>Waterscape [ ]</td>
</tr>
<tr>
<td>Railway or former r.o.w [ ]</td>
</tr>
<tr>
<td>Former or abandoned road r.o.w. [ ]</td>
</tr>
<tr>
<td>Public Park [ ]</td>
</tr>
<tr>
<td>Private Estate or Garden [ ]</td>
</tr>
<tr>
<td>Agricultural Fairground [ ]</td>
</tr>
<tr>
<td>Agricultural lands (Fields, hedges, fences, treelines) [ ]</td>
</tr>
<tr>
<td>Other [ ]</td>
</tr>
</tbody>
</table>

Integrity: Little altered [ ]  Altered [ X ]  Much altered [ ]

Comments: Street pattern remains however paving materials within ROW have been replaced and new plantings have been installed on private property

Historical associations (If known): Late 19th century residential development

Landmark area name: 

Associated Built Heritage Resources (BHR#): 

NOTES:

Views
- views to the north are terminated by Eastwood Park
- views to the south are open beyond Burlington Street East

Continued on next page...
Circulation
- oriented in north-south direction between Brock Street and Burlington Street East
- two-way asphalt road with one driving lane in each direction that experiences a low level of traffic
- on street parking in places along both sides of street
- concrete sidewalk located along west side of street with no boulevard, small section of concrete sidewalk located along east side of street near Brock Street
- driveways and walkways located along both sides of street

Topography
- flat

Vegetation
- no street trees present
- specimen trees and decorative plantings located on private property along west side of street, deciduous trees located within sodded side yards along east side of street

Landscape structures
- light standards with overhead wires along east side of street
- decorative metal fence and garden walls located along south side of street

Character Summary
- quiet, residential street with a low level of vehicular traffic
- medium level of pedestrian activity
- open special quality with open views to the south and Eastwood Park to the north
- land use consists of residential and industrial lots and public open space
Street Address(es): FERGUSON AVENUE
Given or popular name:_____________________________________

Looking North               Looking east (midway down street)

Looking north

Cultural Heritage Landscape Type:
- Farm complex [    ]
- Hamlet [    ]
- Industrial site [    ]
- Cemetery [    ]
- Roadscape [ X ]
- Waterscape [    ]
- Railway or former r.o.w [    ]
- Former or abandoned road r.o.w.[    ]
- Public Park [    ]
- Private Estate or Garden [    ]
- Agricultural Fairground [    ]
- Agricultural lands (Fields, hedges, fences, treelines) [    ]
- Other ______________________

Integrity: Little altered [    ]
- Altered [ X ]
- Much altered [    ]

Comments: Street pattern remains however paving materials within ROW have been replaced and new plantings have been
- installed on private property

Historical associations (If known): Late 19th century residential development

Landmark area name:_____________________________________

Associated Built Heritage Resources (BHR#): ______________________

NOTES:

Views
- views to the north are terminated by an industrial site
- views to the south are open beyond Burlington Street East

Continued on next page...
Circulation
- oriented in north-south direction along Eastwood Park from Burlington Street East
- two-way asphalt road with one driving lane in each direction that experiences a low level of traffic
- lay-by parking is in places along the west side of the street
- concrete sidewalk located along east side of street with a sodded boulevard
- driveways located along both sides of street

Topography
- Sloping down from Burlington St to Dock Service Rd

Vegetation
- no street trees present
- specimen trees and decorative plantings located on private property along east side of street, deciduous trees located within Eastwood Park along west side of street

Landscape structures
- light standards with overhead wires along east side of street

Character Summary
- moderately busy road with medium level of vehicular traffic
- low level of pedestrian activity
- open special quality with Eastwood Park located along west side of street
- land use consists of active and passive recreation and harbour activities
### Street Address(es): CATHARINE STREET N. RTH

**Given or popular name:**

<table>
<thead>
<tr>
<th>Cultural Heritage Landscape Type:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Farm complex [ ]</td>
<td></td>
</tr>
<tr>
<td>Waterscape [ ]</td>
<td></td>
</tr>
<tr>
<td>Railways or former r.o.w [ ]</td>
<td></td>
</tr>
<tr>
<td>Private Estate or Garden [ ]</td>
<td></td>
</tr>
<tr>
<td>Agricultural Fairground [ ]</td>
<td></td>
</tr>
<tr>
<td>Agricultural lands (Fields, hedges, fences, treelines) [ ]</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

**Integrity:** Little altered [ ]  Altered [ X ]  Much altered [ ]

**Comments:** *Street pattern remains however paving materials within ROW have been replaced and new plantings have been installed on private property*

**Historical associations (If known):** *Late 19th century residential development*

**Landmark area name:**

**Associated Built Heritage Resources (BHR#):** 590 Catharine Street North (BHR# 19)

**NOTES:**

**Views**
- views to the north are terminated by an industrial site
- views to the south are open beyond Burlington Street East

*Continued on next page...*
MHBC: Cultural Heritage Landscape Field Survey Form

<table>
<thead>
<tr>
<th>Circulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>- oriented in north-south direction along Eastwood Park and the Canadian Forces Reserves Base from Brock Street</td>
</tr>
<tr>
<td>- two-way asphalt road with one driving lane in each direction that experiences a low level of traffic</td>
</tr>
<tr>
<td>- concrete sidewalk located along east side of street with no boulevard</td>
</tr>
<tr>
<td>- no on street parking</td>
</tr>
<tr>
<td>- asphalt pedestrian/bicycle path on west side of street</td>
</tr>
<tr>
<td>Topography</td>
</tr>
<tr>
<td>- flat</td>
</tr>
<tr>
<td>Vegetation</td>
</tr>
<tr>
<td>- deciduous trees planted within boulevard separating pedestrian/bicycle path from road</td>
</tr>
<tr>
<td>Landscape structures</td>
</tr>
<tr>
<td>- n/a</td>
</tr>
<tr>
<td>Character Summary</td>
</tr>
<tr>
<td>- moderately busy road with medium level of vehicular traffic</td>
</tr>
<tr>
<td>- medium level of pedestrian activity</td>
</tr>
<tr>
<td>- enclosed spatial quality with terminated views and partial views of the lake</td>
</tr>
<tr>
<td>- land use consists of passive recreation and military base</td>
</tr>
</tbody>
</table>
**Street Address(es):** EASTWOOD PARK  

**Given or popular name:**

**Cultural Heritage Landscape Type:**
- Farm complex [ ]
- Hamlet [ ]
- Industrial site [ ]
- Cemetery [ ]
- Roadscape [ ]
- Waterscape [ ]
- Railway or former r.o.w. [ ]
- Former or abandoned road r.o.w. [ ]
- Public Park [X]
- Private Estate or Garden [ ]
- Agricultural Fairground [ ]
- Agricultural lands (Fields, hedges, fences, treelines) [ ]
- Other [ ]

**Integrity:**
- Little altered [ ]
- Altered [X]
- Much altered [ ]

**Comments:** Open space remains from early settlement for use by surrounding community however layout and materials changed over time.

**Historical associations (If known):** Late 19th century open space development

**Landmark area name:** Eastwood Park

**NOTES:**

**Views**
- Views to the north are terminated by an industrial site
- Views to the south are terminated by Burlington Street East

**Circulation**
- Parking lot located on east side of park and accessed from Ferguson Avenue
- Walkway leading from Ferguson Avenue to play area continuing to Dock Service Road

**Topography**
- Flat

**Vegetation**
- Deciduous trees planted throughout park

**Landscape structures**
- Play equipment, shade structure, baseball diamonds

**Character Summary**
- Actively used by surrounding community
- High level of pedestrian activity
- Open special quality
- Land use consists of passive and active recreation
MHBC: Cultural Heritage Landscape Field Survey Form

<table>
<thead>
<tr>
<th>Street Address(es):</th>
<th>WALKWAY BETWEEN TWO SECTIONS OF CATHERINE STREET NORTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>Given or popular name:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Cultural Heritage Landscape Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Farm complex</strong> [ ]</td>
</tr>
<tr>
<td><strong>Waterscape</strong> [ ]</td>
</tr>
<tr>
<td><strong>Private Estate or Garden</strong> [ ]</td>
</tr>
<tr>
<td><strong>Other</strong> [ ]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Integrity:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Little altered [ ]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Comments:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Former street ROW now incorporated into adjacent Eastwood Park, layout and materials have changed over time</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Historical associations (If known):</th>
</tr>
</thead>
<tbody>
<tr>
<td>Late 19th century open space development</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Landmark area name:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eastwood Park</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Associated Built Heritage Resources (BHR#):</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>NOTES:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Views</th>
</tr>
</thead>
<tbody>
<tr>
<td>views to the north are terminated by an industrial site</td>
</tr>
<tr>
<td>views to the south are open beyond Burlington Street East</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Circulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>meandering asphalt walkway connecting two parts of Catherine Street North</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Topography</th>
</tr>
</thead>
<tbody>
<tr>
<td>flat</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vegetation</th>
</tr>
</thead>
<tbody>
<tr>
<td>deciduous trees planted along west side of walkway</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Landscape structures</th>
</tr>
</thead>
<tbody>
<tr>
<td>concrete bollards at either end of walkway</td>
</tr>
<tr>
<td>light standards with overhead wires along east side of walkway</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Character Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>actively used by surrounding community</td>
</tr>
<tr>
<td>high level of pedestrian activity</td>
</tr>
<tr>
<td>open special quality</td>
</tr>
<tr>
<td>land use consists of passive and active recreation</td>
</tr>
</tbody>
</table>
Street Address(es):  
Given or popular name: PIER 8 – SHIPPING YARD EAST SIDE

<table>
<thead>
<tr>
<th>Cultural Heritage Landscape Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Farm complex [ ]</td>
</tr>
<tr>
<td>Hamlet [ ]</td>
</tr>
<tr>
<td>Industrial site [ ]</td>
</tr>
<tr>
<td>Cemetery [ ]</td>
</tr>
<tr>
<td>Roadscape [ ]</td>
</tr>
<tr>
<td>Waterscape [ ]</td>
</tr>
<tr>
<td>Railway or former r.o.w [ ]</td>
</tr>
<tr>
<td>Former or abandoned road r.o.w. [ ]</td>
</tr>
<tr>
<td>Public Park [ ]</td>
</tr>
<tr>
<td>Private Estate or Garden [ ]</td>
</tr>
<tr>
<td>Agricultural Fairground [ ]</td>
</tr>
<tr>
<td>Agricultural lands (Fields, hedges, fences, treelines) [ ]</td>
</tr>
<tr>
<td>Other Harbour Ship Yard [ ]</td>
</tr>
</tbody>
</table>

Integrity:  
Little altered [ ]  
Altered [ X ]  
Much altered [ ]

Comments: Former industrial lands, layout and materials have changed over time

Historical associations (If known): Late 19th century industrial development

Landmark area name: Pier 8

Associated Built Heritage Resources (BHR#): Boat Maintenance Building (BHR# 20), Navy League/Sea Cadets Corps (BHR# 24)

NOTES:

Views
- views to the north, east, south, and west are partially obscured by harbour activities

Circulation
- asphalt paving throughout site

Continued on next page...
<table>
<thead>
<tr>
<th>Topography</th>
</tr>
</thead>
<tbody>
<tr>
<td>- flat</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Vegetation</th>
</tr>
</thead>
<tbody>
<tr>
<td>- n/a</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Landscape structures</th>
</tr>
</thead>
<tbody>
<tr>
<td>- n/a</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Character Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>- medium level of vehicular traffic</td>
</tr>
<tr>
<td>- open special quality</td>
</tr>
<tr>
<td>- land use consists of industrial activities</td>
</tr>
</tbody>
</table>
**Project:**

**Date of survey(s):** ___October 28, 2013__________ Recorder   LJ/CC

**Site identifier____________________

**MHBC: Cultural Heritage Landscape Field Survey Form**

**Street Addresses:**

Given or popular name:  **PIER 8 – SHIPPING AREA WEST SIDE**

**Looking east into Ship yard area**  
**Looking west towards Discovery Drive**

**Cultural Heritage Landscape Type:**

<table>
<thead>
<tr>
<th>Farm complex</th>
<th>Hamlet</th>
<th>Industrial site</th>
<th>Cemetery</th>
<th>Roadscape</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Waterscape</th>
<th>Railway or former r.o.w</th>
<th>Former or abandoned road r.o.w</th>
<th>Public Park</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Private Estate or Garden</th>
<th>Agricultural Fairground</th>
<th>Agricultural lands (Fields, hedges, fences, treelines)</th>
</tr>
</thead>
<tbody>
<tr>
<td>[ ]</td>
<td>[ ]</td>
<td>[ ]</td>
</tr>
</tbody>
</table>

**Other**        **Harbour Ship Yard**

**Integrity:** Little altered [ ]  Altered [ X ]  Much altered [ ]

**Comments:** Former industrial lands, layout and materials have changed over time

**Historical associations (If known):**  **Late 19th century industrial development**

**Landmark area name:**  **Pier 8**

**Associated Built Heritage Resources (BHR#):**  **Marine Police Garage (BHR# 21), Hamilton Port Authority Maintenance Shop and Office (BHR #22), Royal Hamilton Yacht Club Junior Sailing (BHR# 23), Hamilton Port Authority Varnish Shed (BHR# 25)**

**NOTES:**

**Views**
- views to the north, east, south, and west are partially obscured by harbour activities

**Circulation**
- asphalt paving throughout site

**Topography**
- flat

**Vegetation**
- n/a

**Landscape structures**
- n/a

**Character Summary**
- medium level of vehicular traffic
- open special quality
- land use consists of industrial activities
APPENDIX D

Consultation
PIERS 5 – 8, SEWAGE PUMPING FACILITIES

Municipal Class Environmental Assessment- Notice of Study Commencement and Public Information Centre 1

We invite you to attend a Public Information Centre to learn more about the study. Details are as follows:

**Date:** Monday, September 23rd, 2013

**Time:** 6:00 p.m. to 8:00 p.m.

**Location:** Hamilton Waterfront Trust Centre (former Discovery Centre)
57 Discovery Drive, Multi - Purpose Room

The Study

With the approval of the Setting Sail Secondary Plan and the proposed land use of Pier 8 the City of Hamilton is currently reviewing the existing infrastructure to determine if it addresses current needs and will meet the future growth needs of the area. Piers 5 to 8 are currently serviced by a number of sewage pumping facilities. Operational deficiencies have been identified with the existing pumping station that services the development located on the west and north end of Pier 8.

The objectives of the Schedule B, Class EA project will be to review and compare alternative solutions for the rehabilitation of existing pumping station facilities or the construction of new pumping station(s). As part of this study, alternative locations for new pumping station(s) and associated sewage forcemain(s) will be reviewed to identify the preferred solution which may include the decommissioning of existing sewage pumping facilities.

The Process

The study will follow the requirements set out in the Municipal Class EA. It will define the problem, consider and evaluate the alternative solutions, assess impacts of the proposed solution, and identify measures to lessen any adverse impacts.

Public consultation is an important part of this study. We would like to hear from you. If you would like more information or would like to be placed on the study mailing list please contact:

Diana Morreale  
Senior Project Manager  
City of Hamilton  
71 Main St W.  
Hamilton, ON, L8P 4YS

Tel: 905-546-2424 ext. 4101  
Fax: 905-546-5611  
E-mail: Diana.Morreale@hamilton.ca  
Website: www.hamilton.ca/waterfront  
Issue Date: September 13, 2013

Please contact the City of Hamilton regarding disability accommodation requirements as soon as possible.
The City of Hamilton is interested in hearing what you have to say.

PIERS 5 – 8, SEWAGE PUMPING FACILITIES

Municipal Class Environmental Assessment- Public Information Centre 2

We invite you to attend a Public Information Centre (PIC) to learn more about the study. Details are as follows:

Date: Monday, January 6th, 2014
Time: 6:00 p.m. to 8:00 p.m.
Location: Hamilton Waterfront Trust Centre (former Discovery Centre)
57 Discovery Drive, Multi - Purpose Room

The Study
The Class Environmental Assessment study is being conducted in accordance with the requirements for Schedule B projects as described in the Municipal Engineers Association’s Municipal Class Environmental Assessment (EA) document.

With the approval of the Setting Sail Secondary Plan and the proposed land use of Pier 8 the City of Hamilton is currently reviewing the existing infrastructure to determine if it addresses current needs and will meet the future growth needs of the area. Currently, there are operational deficiencies with the existing pumping station that services the development located on the west and north end of Pier 8.

The Process
The first PIC presented a number of alternative solutions for upgrading the Pier 8 pumping station. Based on the results of the evaluation process and the feedback from the previous PIC, the following was identified as the recommended alternative solution:
The City of Hamilton is interested in hearing what you have to say.

- To construct a new pumping station on Pier 8 and the existing Pier 8 Pumping Station will be retired and decommissioned once the new station is operational.

The purpose of PIC #2 is to provide the public and review agencies an opportunity to provide input and comment on the recommended alternative solution and evaluation process. Comments received will be incorporated into the Project File Report and the overall planning and implementation of the project.

The Project File Report will be available for public review and comment upon completion of the study. Another advertisement will be published at the completion of the study, indicating where the report can be reviewed.

Public Comments Invited

There is an opportunity at any time during this process for interested persons to review outstanding issues and bring concerns to the attention of the Project Managers. If you have any questions or comments, or wish to be added to the study mailing list, please contact:

Doug Onishi, Associate
Dillon Consulting Limited
Tel: 519.571.9833 ext. 3107
Fax: 519.571.7424
E-mail: DOnishi@dillon.ca

Diana Morreale, Senior Project Manager
City of Hamilton
Tel: 905-546-2424 ext. 4101
Fax: 905-546-5611
E-mail: Diana.Morreale@hamilton.ca

Please contact the City of Hamilton regarding disability accommodation requirements as soon as possible.
CLASS ENVIRONMENTAL ASSESSMENT
for
PIERS 5-8, PUMPING STATION FACILITIES

Please complete the sign-in sheet and review display materials. The project team is available to answer your questions and address any concerns.

Your input is valued!
Please fill out a comment sheet.
PIERS 5-8 PUMPING STATION FACILITIES

STUDY AREA/EXISTING CONDITIONS
PIERS 5-8 PUMPING STATION FACILITIES

EXISTING INFRASTRUCTURE (2)
### PIERS 5-8 PUMPING STATION FACILITIES

<table>
<thead>
<tr>
<th>Location of Facility</th>
<th>Operator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Parks Canada Property (Pier 8)</td>
<td>Hamilton Waterfront Trust</td>
</tr>
<tr>
<td>Navy League of Canada Site</td>
<td>Navy League</td>
</tr>
<tr>
<td>Pier 8 (N/E Corner)</td>
<td>Hamilton Port Authority</td>
</tr>
<tr>
<td>Brewers Marine Supply Site</td>
<td>Brewers Marine</td>
</tr>
<tr>
<td>Hamilton Marine Facility</td>
<td>City of Hamilton</td>
</tr>
<tr>
<td>James St. Pier</td>
<td>Hamilton Port Authority</td>
</tr>
<tr>
<td>HPA Marina Office</td>
<td>Hamilton Port Authority</td>
</tr>
<tr>
<td>Royal Hamilton Yatch Club Site</td>
<td>Royal Hamilton Yatch Club</td>
</tr>
<tr>
<td>Pier Washrooms Site</td>
<td>City of Hamilton and Hamilton Port Authority</td>
</tr>
</tbody>
</table>
The City of Hamilton is currently reviewing wastewater infrastructure needs for Piers 5-8 to support both existing and future growth needs of the area. Existing development at Piers 5 to 8 are currently serviced by aged sewage infrastructure which include a number of existing pumping stations or private sanitary servicing with pumped sewage to municipal sewers. The existing municipal pumping station at Pier 8 has operational deficiencies which include:

- No standby power generator to provide a backup power source in the event of power failure
- Adequate capacity to manage existing development sewage flows and/or service future development.
PIERS 5-8 PUMPING STATION FACILITIES

MUNICIPAL CLASS EA PLANNING AND DESIGN PROCESS

OVERVIEW OF THE CLASS ENVIRONMENTAL ASSESSMENT PROCESS
A Class EA study is prepared to consider potential environmental, social, and technical impacts of alternatives to a proposed project. A study will result in the recommendation of one alternative which provides the best overall solution for the community. Input from community residents and agencies is a key component of the study. Information gathered during the study will be shared with residents and agencies in an Environmental Assessment Report which will be available for review by all parties. This Study considers the alternatives for the required pumping station upgrades as well as locations. This is a Schedule B Class EA study. This study will fulfill Phases 1 & 2 of the Municipal Class EA Process.
The EA Study will include a review of the natural environment existing conditions of the study area (Pier 5, 6, 7, & 8) including:

- Background review of secondary source information
- Site field investigation of the study area
- Species at Risk screening
- Tree inventory and wildlife habitat assessment
PIERS 5-8 PUMPING STATION FACILITIES

The EA Study will include a review of the archeology potential of the study area (Pier 5, 6, 7 & 8)

Archaeology potential for aboriginal sites is to be assessed by:
- A search of the Ministry of Tourism, Culture and Sport’s Ontario Sites Database (OSD) to identify registered sites within one kilometre of the study area
- Data will be collected from geological, soils, National Topographic Service maps
- A review of aerial photographs

Archaeology potential for Euro-Canadian Pioneer site potential is to be assessed using:
- The Ministry of Tourism, Culture and Sport’s OSD system
- Historic maps including superceded topographical maps, and other mapping
- Primary and secondary historic sources

Site visit to review study area.

Built heritage review.
PIERS 5-8 PUMPING STATION FACILITIES

1. Do nothing
2. Rehabilitate/upgrade the existing pumping stations
3. Provide onsite treatment of collected sewage
4. New pumping stations (or facilities) and forcemains
5. New central pumping station and forcemain
6. Gravity sewers
PIERS 5-8 PUMPING STATION FACILITIES

Natural Environmental Considerations
- Special Concern / Threatened / Endangered Species
- ESAs / ANSIs
- Vegetation
- Greenspace (woodlots, wetlands, trees)
- Aquatic Habitat
- Linkages to other natural areas

Technical Considerations
- Current Pumping Station Function
- Compatibility with Existing Infrastructure System
- Ease of Construction (ie., construction constraints)
- Location / Impacts of Other Utilities
- Noise/Odour
- Permits and Approvals
- Security of Supply

Social and Cultural Environmental Considerations
- Residential Buildings within 100m
- Institutional Buildings within 100m
- Recreation
- Cultural/Heritage Areas within 200m
- Traffic Impacts
- Known Archaeological Features (including First Nations)
- Private Properties Affected
- Visual Landscape Impacts
- Private Access Routes Affected (Driveways)
- Future Planning Policies
- Impact on other Planning Initiatives
- Air Quality

Economic Considerations
- Capital Costs
- Operating and Maintenance Costs (Life Cycle)
- Property Acquisitions
PIERS 5-8 PUMPING STATION FACILITIES

September 2013

- Notice of Study Commencement & Public Information Centre No. 1
  - September 23, 2013
  - Introduce Study
  - Overview of Class EA Process
  - Problem Statement
  - Existing System
  - Alternatives Solutions
  - Next Steps

We Are Here

2014

- Public Information Centre No. 1
- Notice of Public Information Centre No. 2
- Public Information Centre No. 2
- November 2013
- Overview of Class EA Process
- Problem Statement
- Existing System
- Alternatives Solutions
- Evaluation of Alternative Solutions
- Preferred Alternative Next Steps

- Class Environmental Assessment
- Piers 5-8 Pumping Station Facilities
- Prepare Environmental Assessment Report

- Notice of Completion & Public Review
- Detail Design
- Construction
- Commission
- File EA Report for mandatory 30 calendar day public review period

Ongoing Input Throughout Process

NEXT STEPS...
PIERS 5-8 PUMPING STATION FACILITIES

We would like to hear from you!
Give us your comments and/or feedback. Your opinion counts!
Please direct any questions to the following person:

Diana Morreale, MCIP, RPP
Senior Project Manager
City of Hamilton
71 Main Street West- 6th Floor
Hamilton, ON, L8P 4Y5
Phone: 905-546-2424 ext. 4101
Fax: 905-540-5611
E-mail: diana.morreale@hamilton.ca

Doug Onishi
Associate
Dillon Consulting Limited
Suite 200 - 51 Breithaupt Street
Kitchener, Ontario, N2H 5G5
Phone: 519.571.9833 ext. 3107
Fax: 519.571.7424
E-mail: DOnishi@dillon.ca
CLASS ENVIRONMENTAL ASSESSMENT

for

PIERS 5-8, PUMPING STATION FACILITIES

Please complete the sign-in sheet and review display materials.
The project team is available to answer your questions and address any concerns.

Your input is valued!
Please fill out a comment sheet.

Public Information Centre No. # 2: Monday January 6, 2014
The purpose of this Class Environmental Assessment (Class EA) study is to review alternative solutions to provide wastewater (sanitary) infrastructure to address current and future wastewater (sanitary) servicing needs for Piers 5, 6, 7 and 8.
The City of Hamilton is currently reviewing wastewater infrastructure needs for Piers 5 to 8 to support both existing and future growth in the area. Existing development at Piers 5 to 8 are currently serviced by aged sewage infrastructure which include a number of existing pumping stations with pumped sewage to municipal sewers. The existing municipal pumping station at Pier 8 has problems which include:

- No standby power generator to provide a backup power source in the event of power failure; and,
- Inadequate capacity to manage existing development sewage flows and / or service future development.

In addition to the sanitary sewage servicing needs on Pier 8, the City is also reviewing sanitary infrastructure needs for Piers 5 to 7.
Existing development on Piers 5, 6, 7 and 8 is currently serviced with:

- water services that connect to municipal watermains;
- sanitary services that either connect to the municipal sewer system by a gravity connection or by a number of pumping facilities and force mains; and,
- storm drainage is generally through surface drainage or storm connections to the harbour.
The redevelopment of the study area which includes Piers 5, 6, 7 and 8 will require a review of the existing infrastructure, current servicing needs and future servicing needs associated with Setting Sail Secondary Plan.
## PIERS 5-8 PUMPING STATION FACILITIES

### EVALUATION OF LONG LIST ALTERNATIVE SOLUTIONS

<table>
<thead>
<tr>
<th>Pier</th>
<th>Facility</th>
<th>Description</th>
<th>Advantage</th>
<th>Disadvantage</th>
<th>Results</th>
</tr>
</thead>
</table>
| 5    | Leader Boat Club: Gravity connection to municipal sewer - Not Applicable | Rehabilitate/upgrade the existing pumping facilities and/or forcemain connections (if required) to meet current standards. Upgrades to meet current and future demands. | • Lower capital costs  
• Compatible with existing topography  
• Existing pumping facilities on Pier 5 are servicing current development. Significant redevelopment of Pier 5 is not planned under Setting Sail | • No ability to consolidate sewage flows. It is more costly to maintain multiple PS’s vs. one central PS  
• Provides for existing development but not a redevelopment of pier in the future | Screened out |
| 6    | Pier Washroom Facility - (City Operated) | Rehabilitate/upgrade the existing pumping facilities and/or forcemain connections (if required) to meet current standards. Upgrades to meet current and future demands. | • Lower capital costs  
• Compatible with existing topography  
• This pumping facility may be able to maintain existing development during redevelopment to allow for staging of works | • Does not address redevelopment proposed under Setting Sail  
• No ability to consolidate sewage flows  
• It is more costly to maintain multiple PS’s vs. one central PS  
• City would need to assume ownership of any privately operated pumping facility(s) in their current condition and provide service to any private development | Screened out |
| 7    | Royal Hamilton Yacht Club Facility - (Privately Operated) | Rehabilitate/upgrade the existing pumping facilities and/or forcemain connections (if required) to meet current standards. Upgrades to meet current and future demands. | • Lower capital costs  
• Compatible with existing topography  
• These pumping stations can maintain existing development during the redevelopment period and allow for staging of the works | • Does not address redevelopment proposed under Setting Sail  
• No ability to consolidate sewage flows  
• It is more costly to maintain multiple PS’s vs. one central PS  
• City would need to assume ownership of any privately operated pumping facility(s) in their current condition and provide service to any private development  
• Location of some of the existing pumping facilities are not compatible with future planned development | Screened out |
| 8    | Hamilton Marine Police Facility - (City Operated) | Rehabilitate/upgrade the existing pumping facilities and/or forcemain connections (if required) to meet current standards. Upgrades to meet current and future demands. | • Lower capital costs  
• Compatible with existing topography  
• These pumping stations can maintain existing development during the redevelopment period and allow for staging of the works | • No ability to consolidate sewage flows  
• It is more costly to maintain multiple PS’s vs. one central PS  
• Does not provide capacity to service new redevelopment under Setting Sail  
• City would need to assume ownership of any privately operated pumping facility(s) in their current condition and provide service to any private development  
• Location of some of the existing pumping facilities are not compatible with future planned development | Screened out |
| 9    | HPA Marina Office Facility - (Privately Operated) | Rehabilitate/upgrade the existing pumping facilities and/or forcemain connections (if required) to meet current standards. Upgrades to meet current and future demands. | • Lower capital costs  
• Compatible with existing topography  
• These pumping stations can maintain existing development during the redevelopment period and allow for staging of the works | • Does not address redevelopment proposed under Setting Sail  
• No ability to consolidate sewage flows  
• It is more costly to maintain multiple PS’s vs. one central PS  
• City would need to assume ownership of any privately operated pumping facility(s) in their current condition and provide service to any private development  
• Location of some of the existing pumping facilities are not compatible with future planned development | Screened out |
| 10   | James Street Pier Facility - (Privately Operated) | Rehabilitate/upgrade the existing pumping facilities and/or forcemain connections (if required) to meet current standards. Upgrades to meet current and future demands. | • Lower capital costs  
• Compatible with existing topography  
• These pumping stations can maintain existing development during the redevelopment period and allow for staging of the works | • Does not address redevelopment proposed under Setting Sail  
• No ability to consolidate sewage flows  
• It is more costly to maintain multiple PS’s vs. one central PS  
• City would need to assume ownership of any privately operated pumping facility(s) in their current condition and provide service to any private development  
• Location of some of the existing pumping facilities are not compatible with future planned development | Screened out |
| 11   | Pier 7 | Rehabilitate/upgrade the existing pumping facilities and/or forcemain connections (if required) to meet current standards. Upgrades to meet current and future demands. | • Lower capital costs  
• Compatible with existing topography  
• These pumping stations can maintain existing development during the redevelopment period and allow for staging of the works | • Does not address redevelopment proposed under Setting Sail  
• No ability to consolidate sewage flows  
• It is more costly to maintain multiple PS’s vs. one central PS  
• City would need to assume ownership of any privately operated pumping facility(s) in their current condition and provide service to any private development  
• Location of some of the existing pumping facilities are not compatible with future planned development | Screened out |

### Public Information Centre No. #2
Date: January 6th, 2014
<table>
<thead>
<tr>
<th>Alternative</th>
<th>Description</th>
<th>Advantage</th>
<th>Disadvantage</th>
<th>Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Provide on site treatment of collected sewage</td>
<td>Construction of new WWTP to accommodate existing and future flows in study area.</td>
<td>• Less impact to existing sewer system and treatment plant (Woodward WWTP) &lt;br&gt;• Compatible with existing topography</td>
<td>• Difficult to get approvals for new discharge to the harbour &lt;br&gt;• Higher capital and operational costs &lt;br&gt;• Planning approvals needed to permit on site treatment plant &lt;br&gt;• Increased complexity &lt;br&gt;• Timeline for implementation: Reduction in development opportunity footprint</td>
<td>Screened out</td>
</tr>
<tr>
<td>New pumping stations and force mains</td>
<td>• Multiple pumping stations with accompanying force mains &lt;br&gt;• Abandon/removal of existing pumping facilities &lt;br&gt;• Construction of new collection sewers</td>
<td>• Addresses existing and future development needs &lt;br&gt;• Compatible with existing topography &lt;br&gt;• Allows for flexibility in multiple sewer connection points &lt;br&gt;• Some consolidation of sewage flows &lt;br&gt;• Increased staging opportunities for construction</td>
<td>• Increased capital costs by building multiple pumping facilities &lt;br&gt;• Increased O&amp;M costs by operating multiple pumping facilities</td>
<td>Carry forward for further evaluation</td>
</tr>
<tr>
<td>New central pumping station and force main</td>
<td>• Single pumping station located strategically to service the needs of the entire study area. &lt;br&gt;• Abandon/removal of existing pumping facilities &lt;br&gt;• Construction of new collection sewers</td>
<td>• Addresses existing and future development needs &lt;br&gt;• Complete consolidation of sewage flows</td>
<td>• Limitations in construction staging with single pumping station</td>
<td>Carry forward for further evaluation</td>
</tr>
<tr>
<td>Gravity sewers</td>
<td>• Construction of sanitary sewers within study area which will connect to the existing sewer system without pumping</td>
<td>• Less operational and capital costs &lt;br&gt;• Less complexity (i.e. no pumping facilities)</td>
<td></td>
<td>Screened out</td>
</tr>
<tr>
<td>Do Nothing - As required by Class EA, alternative carried forward for evaluation</td>
<td></td>
<td></td>
<td></td>
<td>Carry forward for further evaluation</td>
</tr>
<tr>
<td>Evaluation Criteria</td>
<td>Indicator</td>
<td></td>
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<tr>
<td>---------------------</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Natural Environmental Considerations</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potential Impacts on Terrestrial Environment</td>
<td>Potential for displacement, disruption or improvement to vegetation/wildlife habitat during construction and operation (including SARS, Greenspaces, Wetlands, ESAs, ANRs)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Potential Impacts on Aquatic Habitat</td>
<td>Potential for displacement, disruption or improvement of potential fisheries resources (including riparian zones, fish, aquatic wildlife and vegetation, wetlands)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Technical Considerations</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Pumping Facilities</td>
<td>Operation for current and future loading</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Compatibility of “ Tie-In” with Existing Infrastructure System</td>
<td>Ease of connection to existing infrastructure</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Ease of Construction (i.e., construction constraints)</td>
<td>Qualitative assessment of the ability to construct</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location/Impacts of Other Utilities</td>
<td>Potential impacts to existing utilities, mitigation required and opportunities</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Noise/Odour</td>
<td>Potential for changing existing conditions</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Permits and Approvals</td>
<td>Ability to obtain approvals in a timely manner</td>
<td></td>
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<tr>
<td>Reliability of Service</td>
<td>Ability to provide reliable/continuous service for the required capacity</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Social and Cultural Environmental Considerations</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Residential Buildings within 100m</td>
<td>The potential impact or limitation on current and/or future residential uses for the property or adjacent properties</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Institutional buildings within 100 m</td>
<td>The potential impact or limitation on current and/or future land, institutional uses for the property or adjacent properties</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>Recreation</td>
<td>The potential impact or limitation on current and/or future recreational uses for the property or adjacent properties</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cultural/Heritage Areas within 200m</td>
<td>The number of cultural/heritage/built heritage areas and type of cultural area surrounding the site</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Traffic Impacts</td>
<td>The type of roadway amount of traffic potentially using the route (high, moderate, low), and access to private properties and parking by residents.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Known Archaeological Features (Including First Nations)</td>
<td>The number and significance of known archaeological sites at the site or along the route. Potential (high or low) for undiscovered archaeological features on the site.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Private Properties Affected</td>
<td>The number of private properties impacted</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Visual Landscape Impacts</td>
<td>Impact on views from adjacent residences (e.g., harbour)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Private Access Routes Affected (Driveways)</td>
<td>The number of private access routes affected.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Planning Policies or Initiatives</td>
<td>Impact on planning policies or planning initiatives</td>
<td></td>
<td></td>
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<tr>
<td>Air Quality</td>
<td>The impact on air quality by emissions and odours</td>
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<tr>
<td>Economic Considerations</td>
<td></td>
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<tr>
<td>Capital Costs</td>
<td>Estimated construction costs</td>
<td></td>
<td></td>
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<tr>
<td>Operating and Maintenance Costs (Life Cycle)</td>
<td>Estimated on going maintenance costs</td>
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</tr>
<tr>
<td>Property Acquisition</td>
<td>Need for new property/ezacements</td>
<td></td>
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</tr>
</tbody>
</table>
PIERS 5-8 PUMPING STATION FACILITIES

Key:
- Study Area: Piers 5 to 8
- Approximate Location of Proposed and Alternate Sanitary Sewer Routes within Piers
- Study Area: Proposed Force Main Routes
- Pumping Station
- High Potential for Archaeological Material*
- High Potential for Archaeological Material* outside of Current Road Footprint
- Shoreline, 1842
- Creeks, 1842
- Approximate location of Shoreline prior to Wharf Construction, 1842
- Historic Roads, 1842
- Historic Structures, from 1842
- Historic Structures, from 1850
- Location & direction of photographic plates

*Note: Only areas of High potential within the current proposed pipeline routes are indicated. The remainder of the routes are low potential.

Figure 13: Archaeological High Potential for Proposed Pipeline Routes

Archaeology
PIERS 5-8 PUMPING STATION FACILITIES

PUBLIC INFORMATION CENTRE NO. #2
DATE: JANUARY 6TH, 2014

PIERS 5-8 PUMPING STATION FACILITIES

EXISTING CONDITIONS

Hamilton Waterfront Trust - Study Area
City of Hamilton

LEGENDED
Proposed Sanitary Foreman
Proposed Sanitary Sewer
Alternate Foreman’s Route
Alternate Connections to Port 6 & 7

Properties Listed on Inventory:

1. 2 Beech Street
2. 4 Beech Street
3. 6 Beech Street
4. 8 Beech Street
5. 10 Beech Street
6. 12 Beech Street
7. 14 Beech Street
8. 20 Beech Street
9. 24 Beech Street
10. 30 Beech Street
11. 32 Beech Street
12. 34 Beech Street
13. 36 Beech Street
14. 38 Beech Street
15. 40 Beech Street
16. 42 Beech Street
17. 44 Beech Street
18. 46 Beech Street
19. 48 Beech Street
20. 50 Beech Street
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22. 54 Beech Street
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28. 66 Beech Street
29. 68 Beech Street
30. 70 Beech Street
31. 72 Beech Street
32. 74 Beech Street
33. 76 Beech Street
34. 78 Beech Street
35. 80 Beech Street
36. 82 Beech Street
37. 84 Beech Street
38. 86 Beech Street
39. 88 Beech Street
40. 90 Beech Street
41. 92 Beech Street
42. 94 Beech Street
43. 96 Beech Street
44. 98 Beech Street
45. 100 Beech Street
46. 102 Beech Street
47. 104 Beech Street
48. 106 Beech Street
49. 108 Beech Street
50. 110 Beech Street

Non-Listed Properties of Potential Cultural Heritage Value:

1. Old Maintenance Building
2. Marine Police Garage
3. Hamilton Port Authority Maintenance Shop and Office
4. Royal Hamilton Yacht Club, Junior Sailing
5. Navy League/Sports Catamaran Corps
6. Hamilton Port Authority Vaneen Street

Source: Jan. 2013
Coastal Planning Design
Pre-Project Consulting (Jan. 2013)

SCALE: 1:5,000
URBAN DESIGN & LANDSCAPE
PLANNING
DILLON
CONSULTING

BY: THE CORPORATION OF THE CITY OF HAMILTON
Connecting You to the Water’s Edge

BUILT HERITAGE
EXISTING CONDITIONS
PIERS 5-8 PUMPING STATION FACILITIES

CULTURAL LANDSCAPE ELEMENTS
## Short List Evaluation - Pumping Station Facilities Alternatives

<table>
<thead>
<tr>
<th>Natural Environmental Considerations</th>
<th>New pumping stations (or facilities) and forcemains</th>
<th>New central pumping station and forcemain</th>
<th>Do Nothing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potential impacts on terrestrial environment (plant life and wildlife)</td>
<td>Limited impacts to vegetation include pruning and removal of select trees. Limited impacts to wildlife <strong>Preferred</strong></td>
<td>Limited impacts to vegetation include pruning and removal of select trees. Limited impacts to wildlife <strong>Preferred</strong></td>
<td>None</td>
</tr>
<tr>
<td>Potential impacts on aquatic habitat</td>
<td>No impact during construction. <strong>Most Preferred</strong></td>
<td>No impact during construction. <strong>Most Preferred</strong></td>
<td>None</td>
</tr>
</tbody>
</table>

### Social and Cultural Environmental Considerations

<table>
<thead>
<tr>
<th>Residential Buildings within 100m</th>
<th>Low impact on existing residential during construction. Improvement supports new development. <strong>Most Preferred</strong></th>
<th>Low impact on existing residential during construction. Improvement supports new development. <strong>Most Preferred</strong></th>
<th>Does not support new development. <strong>Least Preferred</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Institutional Buildings within 100 m</td>
<td>No impact during construction. <strong>Preferred</strong></td>
<td>No impact during construction. <strong>Preferred</strong></td>
<td>None</td>
</tr>
<tr>
<td>Recreation</td>
<td>Low impacts on existing recreation. Pumping Station may impact future park development on Pier 8 and forcemain construction in Eastwood Park may impact any future park uses. <strong>Least Preferred</strong></td>
<td>Low impacts on existing recreation. Pumping Station may impact future park development on Pier 8 and forcemain construction in Eastwood Park may impact any future park uses. <strong>Least Preferred</strong></td>
<td>None</td>
</tr>
<tr>
<td>Cultural/Heritage Areas within 200m</td>
<td>No impacts during construction. <strong>Most Preferred</strong></td>
<td>No impacts during construction. <strong>Most Preferred</strong></td>
<td>None</td>
</tr>
</tbody>
</table>
## PIERS 5-8 PUMPING STATION FACILITIES

### Social and Cultural Environmental Considerations (continued)

<table>
<thead>
<tr>
<th>Traffic Impacts</th>
<th>New pumping stations (or facilities) and forcemains</th>
<th>New central pumping station and forcemain</th>
<th>Do Nothing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Impact to Piers 5, 6, 8 existing development during pumping station construction / Discovery Drive and residential streets with forcemain construction.</td>
<td>Impact to Pier 8 existing development during pumping station construction / Discovery Drive and residential streets with forcemain construction.</td>
<td>None Most Preferred</td>
<td></td>
</tr>
</tbody>
</table>

| Known Archaeological Features (including First Nations) | Low potential for archaeology impact with pumping station construction and limited potential with forcemain construction on Pier 8, Catharine Street, Mary Street, Brock Street, Eastwood Park and Burlington Street. | Low potential for archaeology impact with pumping station construction and limited potential with forcemain construction on Pier 8, Catharine Street, Mary Street, Brock Street, Eastwood Park and Burlington Street. | None Most Preferred |

| Private Properties Affected | Low - limited impacts during construction | Low - limited impacts during construction | None Most Preferred |

| Visual Landscape Impacts | Low - limited impacts to visual landscape | Low - limited impacts to visual landscape | None Most Preferred |

---

**EVALUATION OF SHORT LIST ALTERNATIVE SOLUTIONS**
## PIERS 5-8 PUMPING STATION FACILITIES

### EVALUATION OF SHORT LIST ALTERNATIVE SOLUTIONS

<table>
<thead>
<tr>
<th>Social and Cultural Environmental Considerations (continued)</th>
<th>New pumping stations (or facilities) and forcemains</th>
<th>New central pumping station and forcemain</th>
<th>Do Nothing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Private Access Routes Affected (Driveways)</td>
<td>Pumping station construction on Piers 6 and 8 may temporarily impact existing development. Forcemain construction may temporarily affect Pier 8 existing development for alternate east - west route selection. Forcemain construction on road allowances will have limited temporary access disruption to local residences. <strong>Least Preferred</strong></td>
<td>Pumping station construction on Pier 8 may temporarily impact existing development. Forcemain construction may temporarily affect Pier 8 existing development for alternate east - west route selection. Forcemain construction on road allowances will have limited temporary access disruption to local residences. <strong>Least Preferred</strong></td>
<td>None <strong>Most Preferred</strong></td>
</tr>
<tr>
<td>Planning Policies or Initiatives</td>
<td>Pumping Station and forcemain construction supports Setting Sail redevelopment Planning Initiative. <strong>Most Preferred</strong></td>
<td>Pumping Station and forcemain construction supports Setting Sail redevelopment Planning Initiative. <strong>Most Preferred</strong></td>
<td><strong>Existing sewage collection systems are under-capacity for future development Least Preferred</strong></td>
</tr>
<tr>
<td>Air Quality</td>
<td>Low - limited impacts to air quality. <strong>Preferred</strong></td>
<td>Low - limited impacts to air quality. <strong>Preferred</strong></td>
<td>None <strong>Most Preferred</strong></td>
</tr>
<tr>
<td><strong>Technical Considerations</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Current Pumping Facilities</td>
<td>Addresses current and future capacity needs. <strong>Preferred</strong></td>
<td>Addresses current and future capacity needs. <strong>Most Preferred</strong></td>
<td>Does not address existing needs on Pier 8 and future capacity needs. <strong>Least Preferred</strong></td>
</tr>
</tbody>
</table>
##的技术考虑（继续）

<table>
<thead>
<tr>
<th></th>
<th>新建泵房（或设施）和主干</th>
<th>新建中央泵房和主干</th>
<th>不为零</th>
</tr>
</thead>
<tbody>
<tr>
<td>兼容性</td>
<td>“tie-in”与现有基础设施系统相容</td>
<td>允许增加了灵活性与多个tie-in位置相比现有的基础设施。额外的污水容量是Guise街所需的。</td>
<td>稍微更加受限制，有单个tie-in点指向现有基础设施。</td>
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<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>施工便利性（即，施工限制）</td>
<td>构建限制。允许增加的灵活性在施工阶段。解决可能与现有基础设施连接的冲突。</td>
<td>构建限制但允许服务未来在Pier 6的发展。 与James Street CSO基础设施需要。有限的灵活性与开发阶段的分期有关。</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>地点/其他影响</td>
<td>泵房和主干线的建设需要适应现有的管线基础设施。更多的灵活性与第二个泵房在Pier 6中与影响现有基础设施的冲突一起。</td>
<td>泵房和主干线的建设需要适应现有的管线基础设施。更高的冲突可能性与从Pier 5/6的重力污水管道连接有关。</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>噪音/气味</td>
<td>建设期间和之后的有限影响。泵房和相关基础设施需要设计以控制噪音和气味。</td>
<td>建设期间和之后的有限影响。泵房和相关基础设施需要设计以控制噪音和气味。</td>
<td>Potential for unpleasant odours due to aging existing smaller pumping stations</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

## 评估短名单

### 案例

- **Preferred**
- **Preferred**
- **Preferred**
- **Most Preferred**
- **Least Preferred**

### 弹性

- 允许增加了灵活性与多个tie-in位置相比现有的基础设施。额外的污水容量是Guise街所需的。
- 构建限制但允许服务未来在Pier 6的发展。与James Street CSO基础设施需要。有限的灵活性与开发阶段的分期有关。
- 泵房和主干线的建设需要适应现有的管线基础设施。更多的灵活性与第二个泵房在Pier 6中与影响现有基础设施的冲突一起。更高的冲突可能性与从Pier 5/6的重力污水管道连接有关。
- 建设期间和之后的有限影响。泵房和相关基础设施需要设计以控制噪音和气味。
## PIERS 5-8 PUMPING STATION FACILITIES

### Evaluation of Short List Alternative Solutions

<table>
<thead>
<tr>
<th>Technical Considerations (continued)</th>
<th>New pumping stations (or facilities) and forcemains</th>
<th>New central pumping station and forcemain</th>
<th>Do Nothing</th>
</tr>
</thead>
<tbody>
<tr>
<td>Permits and Approvals</td>
<td>Additional permits and approvals associated with multiple pumping facilities</td>
<td>Less permits and approvals due to single pumping station. Preferred</td>
<td>No permits required to maintain existing infrastructure. Most Preferred</td>
</tr>
<tr>
<td>Reliability of service</td>
<td>Good ability to provide reliable service for existing and future redevelopment is achieved. Preferred</td>
<td>Good ability to provide reliable service for existing and future redevelopment is achieved. Preferred</td>
<td>Current smaller pumping stations do not meet future capacity and are not as reliable. Least Preferred</td>
</tr>
</tbody>
</table>

### Economic Considerations

<table>
<thead>
<tr>
<th>Capital Costs</th>
<th>Limited higher construction costs, $3,960,000 (Present Value). Preferred</th>
<th>Marginally lower construction costs $3,775,000 (Present Value) Most Preferred</th>
<th>Increased costs to replace aged infrastructure without increased capacity. Least Preferred</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating and Maintenance Costs (Life Cycle)</td>
<td>Slightly higher operation and maintenance costs due to multiple pumping facilities, $682,000 Present Value over 60 year life of pumping stations. Preferred</td>
<td>Slightly lower operational and maintenance costs due to single pumping station $461,000 Present Value over 60 year Life of pumping stations. Most Preferred</td>
<td>Increased costs to maintain aged infrastructure without increased capacity. Least Preferred</td>
</tr>
<tr>
<td>Property Acquisition</td>
<td>No need for property acquisition, City owned land. Preferred</td>
<td>No need for property acquisition, City owned land. Preferred</td>
<td>No land needed. Preferred</td>
</tr>
</tbody>
</table>
PIERS 5-8 PUMPING STATION FACILITIES

<table>
<thead>
<tr>
<th>Summary of Evaluation</th>
<th>New pumping stations (or facilities) and forcemains</th>
<th>New central pumping station and forcemain</th>
<th>Do Nothing</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Preferred Solution</strong></td>
<td>Increased flexibility in tie-in to existing infrastructure if gravity sewer connection from Pier 6 to Pier 8 is not feasible. Only moderately higher capital costs ($3,960,000 Present Value). Design for pumping station in Pier 8 will allow for gravity sewer connection from Piers 5/6 and 7. If gravity sewer connection is not feasible, replace existing pumping station on Pier 6 or construct new pumping station to connect to Guise Street sewer when required capacity is available.</td>
<td>Eliminated</td>
<td>Eliminated</td>
</tr>
<tr>
<td></td>
<td>Slightly lower construction costs. Gravity sewer connection from Piers 5/6 to Pier 8 around James Street CSO infrastructure will need to be feasible. Solution does not allow for alternate servicing strategy if connection can not be completed. Slightly lower capital costs ($3,775,000 Present Value). Lower life cycle costs ($461,000 Present Value over 60 year Life of Pumping Station).</td>
<td></td>
<td>Does not meet future capacity needs with planned development.</td>
</tr>
</tbody>
</table>
PIERS 5-8 PUMPING STATION FACILITIES

NATURAL ENVIRONMENT EXISTING CONDITIONS
PIERS 5-8 PUMPING STATION FACILITIES

- New pumping station located on Pier 8.
- Gravity sewer connection from Piers 6 and 7 to Pier 8 central pumping station.
- Provisional pumping station located on Pier 6 if needed.
- Sewer forcemain from central pumping station on Pier 8 to the intersection of Burlington and Ferguson Streets.
- Provisional sewer forcemain connection to Guise Street sewers if pumping station located on Pier 6 is required and when capacity in existing infrastructure is available.
**WHAT IS A PUMPING STATION?**

Pumping stations are facilities that include pumps and other equipment required for pumping fluids from one place to another. They are used for a variety of infrastructure systems, such as the supply of potable water, the drainage of low-lying land, and the removal of sewage to processing sites such as wastewater treatment facilities.

Pumping stations in sewage collection systems, also called *lift stations*, are normally designed to handle raw sewage that is fed from underground gravity pipelines (pipes that are sloped so that a liquid can flow in one direction under gravity).
PIERS 5-8 PUMPING STATION FACILITIES

September 2013

- Notice of Study Commencement & Public Information Centre No. 1
  September 2013
  - Introduce Study
  - Overview of Class EA Process
  - Problem Statement
  - Existing System
  - Alternatives Solutions
  - Next Steps

- Public Information Centre No. 1
  September 23, 2013

- Notice of Public Information Centre No. 2
  January 2014
  - Overview of Class EA Process
  - Problem Statement
  - Existing System
  - Alternatives Solutions
  - Evaluation of Alternative Solutions
  - Preferred Alternative Next Steps

- Public Information Centre No. 2
  January 2014

2014

- Class Environmental Assessment
  - Piers 5-8 Pumping Station Facilities
  - Prepare Project File Report

- Notice of Completion & Public Review
  - File EA Report for mandatory 30 calendar day public review period

Ongoing Input Throughout Process

We Are Here

NEXT STEPS AND THANK YOU
We would like to hear from you!
Give us your comments and/or feedback. Your opinion counts!
Please direct any questions to the following person:

**Diana Morreale, MCIP, RPP**  
Senior Project Manager  
City of Hamilton  
71 Main Street West- 6th Floor’  
Hamilton, ON, L8P 4Y5  
Phone: 905-546-2424 ext. 4101  
Fax: 905-540-5611  
E-mail: diana.morreale@hamilton.ca

**Doug Onishi**  
Associate  
Dillon Consulting Limited  
Suite 200 - 51 Breithaupt Street  
Kitchener, Ontario, N2H 5G5  
Phone: 519.571.9833 ext. 3107  
Fax: 519.571.7424  
E-mail: DOnishi@dillon.ca
September 9, 2013

To whom it may concern:

Subject: Piers 5-8 Pumping Station
Municipal Class Environmental Assessment Phases 1 & 2

With the approval of the Setting Sail Secondary Plan and the proposed land use of Pier 8 the City of Hamilton is currently reviewing the existing infrastructure to determine if it addresses current needs and will meet the future growth needs of the area. Piers 5 to 8 are currently serviced by a number of sewage pumping facilities. Operational deficiencies have been identified with the existing pumping station that services the development located on the west and north end of Pier 8.

The objectives of the Schedule B, Class EA project will be to review and compare alternative solutions for the rehabilitation of existing pumping station facilities or the construction of new pumping station(s). As part of this study, alternative locations for new pumping station(s) and associated sewage forcemain(s) will be reviewed to identify the preferred solution which may include the decommissioning of existing sewage pumping facilities.

The study will follow the requirements set out in the Municipal Class EA. It will define the problem, consider and evaluate the alternative solutions, assess impacts of the proposed solution, and identify measures to lessen any adverse impacts.

A Public Information Centre will be held on Monday September 23, 2013 to obtain public input.

The City of Hamilton is providing this notification to determine if your agency has an interest in this study, and, if so, explore opportunities for involvement during the study.

Please confirm receipt of this letter and/or indicate your participation decision to the undersigned by October 7, 2013. If you require more time please notify the City as soon as possible. In the meantime, we would be pleased to answer any questions you have and are available to meet with you at your convenience to discuss the study.

Should you have any questions, or require additional information, please contact me at (905) 546-2424 ext. 4101.

Yours truly,

Diana Morreale, MCIP, RPP
Senior Project Manager
Infrastructure Planning

Encl.
MUNICIPAL ENVIRONMENTAL ASSESSMENT FOR PIERs 5-8 SEWER PUMPING STATION UPGRADES

The City of Hamilton is interested in hearing the community’s comments, questions, concerns, and suggestions regarding Piers 5-8 Sewer Pumping Station Upgrades. Please take a few minutes to complete this brief comment sheet. All comments will be carefully considered in the Environmental Assessment Process.

1. Do you have any comments related to the existing pumping station(s) and or the existing conditions in this study area?
   __________________________________________________________________________
   __________________________________________________________________________
   __________________________________________________________________________

2. Do you have any comments, concerns, questions or suggestions regarding the evaluation criteria for the pumping station upgrade alternatives?
   __________________________________________________________________________
   __________________________________________________________________________
   __________________________________________________________________________

3. What do you see as the advantages/disadvantages of the proposed project from the perspective of your organization or as a resident of the area?
   __________________________________________________________________________
   __________________________________________________________________________
   __________________________________________________________________________

4. Additional comments related to the project.
   __________________________________________________________________________
   __________________________________________________________________________
   __________________________________________________________________________

5. How useful did you find the Public Information centre? (please circle one)
   Very Useful  1  2  3  4  5 Not Very Useful
6. How would you describe the nature of your interest in this study?
   ______ Member of the General Public (including resident)
   ______ Member of an Interest Group (Please specify:____________________________)
   ______ Consultant
   ______ Agency Representative (Please specify:______________________________)
   ______ Other (Please specify:_____________________________________________)

7. Please provide any other comments regarding the Public Information Centre (i.e., location, help received on understanding study and your concerns, opportunity provided to ask questions/comments/express concern).
_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________
_________________________________________________________________________

Comments and information regarding this study are being collected to assist the City of Hamilton in meeting the requirements of the Environmental Assessment Act. They will be maintained on file for use during the study and may be included in study documentation. With the exception of personal information, all comments will become part of the public record.

Please mail these comments by Monday October 7, 2013 to either:

Diana Morreale, MCIP, RPP
Senior Project Manager
City of Hamilton, Planning and Economic Development
Ph. 905-546-2424 ext. 4101
Fax 905-540-5611
E-mail: Diana.Morreale@hamilton.ca

Name:

Mailing Address:

Telephone:

Property Location: (if different from mailing address):
MUNICIPAL ENVIRONMENTAL ASSESSMENT FOR PIERs 5-8 SEWER PUMPING STATION UPGRADES

The City of Hamilton is interested in hearing the community’s comments, questions, concerns, and suggestions regarding Piers 5-8 Sewer Pumping Station Upgrades. Please take a few minutes to complete this brief comment sheet. All comments will be carefully considered in the Environmental Assessment Process.

1. Do you have any comments related to the evaluation process used to select the preferred alternative?

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

2. Do you have any comments, concerns, questions or suggestions regarding the preferred alternative?

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

3. Additional comments related to the project

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

4. How useful did you find the Public Information centre? (please circle one)

Very Useful 1 2 3  Not Very Useful 4 5
5. How would you describe the nature of your interest in this study?

_______ Member of the General Public (including resident)
_______ Member of an Interest Group (Please specify:____________________________)
_______ Consultant
_______ Agency Representative (Please specify:_______________________________)
_______ Other (Please specify:_______________________________________________)

6. Please provide any other comments regarding the Public Information Centre (i.e., location, help received on understanding study and your concerns, opportunity provided to ask questions/comments/express concern).

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

Comments and information regarding this study are being collected to assist the City of Hamilton in meeting the requirements of the *Environmental Assessment Act*. They will be maintained on file for use during the study and may be included in study documentation. With the exception of personal information, all comments will become part of the public record.

Please mail these comments by **Monday January 20th, 2014** to:

Diana Morreale, MCIP, RPP
Senior Project Manager
City of Hamilton, Planning and Economic Development
Ph. 905-546-2424 ext. 4101
Fax 905-540-5611
E-mail: Diana.Morreale@hamilton.ca

Name:

Mailing Address:

Telephone:

Property Location: (if different from mailing address):
PIERS 5 – 8,
SEWAGE PUMPING FACILITIES

Hamilton Municipal Class Environmental Assessment-
Notice of Study Commencement and
Public Information Centre 1

We invite you to attend a Public Information Centre to learn more about the study. Details are as follows:

Date: Monday, September 23rd, 2013
Time: 6:00 p.m. to 8:00 p.m.
Location: Hamilton Waterfront Trust Centre (former Discovery Centre)
57 Discovery Drive, Multi-Purpose Room

THE STUDY
With the approval of the Setting Sail Secondary Plan and the proposed land use of Pier 8 the City of Hamilton is currently reviewing the existing infrastructure to determine if it addresses current needs and will meet the future growth needs of the area. Piers 5 to 8 are currently serviced by a number of sewage pumping facilities. Operational deficiencies have been identified with the existing pumping station that services the development located on the west and north end of Pier 8.

The objectives of the Schedule B, Class EA project will be to review and compare alternative solutions for the rehabilitation of existing pumping station facilities or the construction of new pumping station(s). As part of this study, alternative locations for new pumping station(s) and associated sewage forcemain(s) will be reviewed to identify the preferred solution which may include the decommissioning of existing sewage pumping facilities.

THE PROCESS
The study will follow the requirements set out in the Municipal Class EA. It will define the problem, consider and evaluate the alternative solutions, assess impacts of the proposed solution, and identify measures to lessen any adverse impacts.

Public consultation is an important part of this study. We would like to hear from you. If you would like more information or would like to be placed on the study mailing list please contact:

Diana Morreale
Senior Project Manager
City of Hamilton
71 Main St W.
Hamilton, ON, L8P 4Y5
Tel: 905-546-2424 ext. 4101
Fax: 905-546-5611
E-mail: Diana.Morreale@hamilton.ca
Website: www.hamilton.ca/waterfront

Please contact the City of Hamilton regarding disability accommodation requirements as soon as possible.

Issue Date: September 13, 2013
PIERS 5 – 8, SEWAGE PUMPING FACILITIES

Municipal Class Environmental Assessment—Notice of Study Commencement and Public Information Centre 1

We invite you to attend a Public Information Centre to learn more about the study. Details are as follows:

Date: Monday, September 23rd, 2013
Time: 6:00 p.m. to 8:00 p.m.
Location: Hamilton Waterfront Trust Centre (former Discovery Centre)
57 Discovery Drive, Multi-Purpose Room

THE STUDY

With the approval of the Setting Sail Secondary Plan and the proposed land use of Pier 8, the City of Hamilton is currently reviewing the existing infrastructure to determine if it addresses current needs and will meet the future growth needs of the area. Piers 5 to 8 are currently serviced by a number of sewage pumping facilities. Operational deficiencies have been identified with the existing pumping station that services the development located on the west and north end of Pier 8.

The objectives of the Schedule B, Class EA project will be to review and compare alternative solutions for the rehabilitation of existing pumping station facilities or the construction of new pumping station(s). As part of this study, alternative locations for new pumping station(s) and associated sewage forcemain(s) will be reviewed to identify the preferred solution which may include the decommissioning of existing sewage pumping facilities.

THE PROCESS

The study will follow the requirements set out in the Municipal Class EA. It will define the problem, consider and evaluate the alternative solutions, assess impacts of the proposed solution, and identify measures to lessen any adverse impacts.

Public consultation is an important part of this study. We would like to hear from you. If you would like more information or would like to be placed on the study mailing list please contact:

Diana Morreale
Senior Project Manager
City of Hamilton
71 Main St W.
Hamilton, ON, L8P 4Y5
Tel: 905-546-2424 ext. 4101
Fax: 905-546-5611
E-mail: Diana.Morreale@hamilton.ca
Website: www.hamilton.ca/waterfront

Please contact the City of Hamilton regarding disability accommodation requirements as soon as possible.

Issue Date: September 20, 2013
We invite you to attend a Public Information Centre (PIC) to learn more about the study. Details are as follows:

Date: Monday, January 6th, 2014
Time: 6:00 p.m. to 8:00 p.m.
Location: Hamilton Waterfront Trust Centre (former Discovery Centre)
57 Discovery Drive, Multi-Purpose Room

The Study
The Class Environmental Assessment study is being conducted in accordance with the requirements for Schedule B projects as described in the Municipal Engineers Association's Municipal Class Environmental Assessment (EA) document.

With the approval of the Setting Sail Secondary Plan and the proposed land use of Pier 8 the City of Hamilton is currently reviewing the existing infrastructure to determine if it addresses current needs and will meet the future growth needs of the area. Currently, there are operational deficiencies with the existing pumping station that services the development located on the west and north end of Pier 8.

The Process
The first PIC presented a number of alternative solutions for upgrading the Pier 8 pumping station. Based on the results of the evaluation process and the feedback from the previous PIC, the following was identified as the recommended alternative solution:
• To construct a new pumping station on Pier 8 and the existing Pier 8 Pumping Station will be retired and decommissioned once the new station is operational.

The purpose of PIC #2 is to provide the public and review agencies an opportunity to provide input and comment on the recommended alternative solution and evaluation process. Comments received will be incorporated into the Project File Report and the overall planning and implementation of the project.

The Project File Report will be available for public review and comment upon completion of the study. Another advertisement will be published at the completion of the study, indicating where the report can be reviewed.

Public Comments Invited
There is an opportunity at any time during this process for interested persons to review outstanding issues and bring concerns to the attention of the Project Managers. If you have any questions or comments, or wish to be added to the study mailing list, please contact:

Doug Onishi, Associate
Dillon Consulting Limited
Tel: 519.571.9833 ext. 3107
Fax: 519.571.7424
E-mail: DONishi@dillon.ca

Diana Morreale, Senior Project Manager
City of Hamilton
Tel: 905-546-2424 ext. 4101
Fax: 905-546-5611
E-mail: Diana.Morreale@hamilton.ca
West Harbour Pumping Station Technical Staff Meeting No. 1 - Meeting Notes  
September 17th, 2013 11:00am – 12:00pm  
Location: Hamilton City Hall – Meeting Room  816

Attendees:  
Hamilton Waterfront Trust- W. Plessel  
Dillon Consulting- D. Onishi, J. Doiron

<table>
<thead>
<tr>
<th>Discussion Item</th>
<th>Comments/ Action Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. EA Technical Staff Team Introductions</td>
<td></td>
</tr>
</tbody>
</table>
| 2. Study Area/ Problem/ Opportunity | U. Ehrenberg to send follow up e-mail to Ian Rutledge, Dan Chauvin, and Stuart Leitch to advise them of upcoming EA for the Pier 8 pump station  
U. Ehrenberg wanted to know if the forcemain location to be determined as part of this EA (i.e. if the route options will be shown) |
| 3. Existing Sanitary Pumping Facilities | D. Onishi provided an overview of existing pumping stations  
ACTION: J. Dorion to forward revised maps to S. Richmond with pumping station locations |
| 4. EA Schedule | PIC No. 1 to be held end of September and PIC 2 to be held end of 2013. Project File Report to be completed year end. |
| 5. Notifications | City has sent out the Notice of Completion and PIC 1 date to agencies, staff, stakeholders and has posted in the Hamilton Spectator |
| 6. Natural Environment and Archaeology Reviews | Dillon is completing the existing natural inventory.  
D. Onishi to send D. Morreale, C. Plosz, M. House a copy of the Natural |
<table>
<thead>
<tr>
<th></th>
<th>Environment and Archeology Slide for the PIC</th>
</tr>
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<tbody>
<tr>
<td>7.</td>
<td>PIC No. 1</td>
</tr>
<tr>
<td></td>
<td>L. Stasiuk noted that the parks should be labelled on the “Existing Infrastructure” panel (i.e. Pier 8, Eastwood Park)</td>
</tr>
<tr>
<td></td>
<td>Was there a CEA process for Parks Canada for Existing Pump station? It does not appear that one was completed. Unsure if it was required at the time.</td>
</tr>
<tr>
<td>8.</td>
<td>Alternative Solutions</td>
</tr>
<tr>
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<td>Alternative Solutions need to be able to comply with MOE loading standards. For wet weather flow, is there an opportunities to take storm sewer overflow?</td>
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<tr>
<td></td>
<td>Changes to the Alternatives Solutions were discussed?</td>
</tr>
<tr>
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<td>Discussed a two phased approach of reviewing Alternative solutions (i.e. long list, then a second short list).</td>
</tr>
<tr>
<td>NEXT STEPS- PIC</td>
<td></td>
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</tbody>
</table>
## West Harbour Pumping Station Technical Staff Meeting No. 2 - Meeting Notes

**Thursday, December 5th, 2013, 1:00 pm to 3:00pm**  
**Location: Hamilton City Hall – Meeting Room 716**

**Attendees:**  
Hamilton Waterfront Trust - W. Plessel  
Dillon Consulting - D. Onishi, J. Doiron

<table>
<thead>
<tr>
<th>Discussion Item</th>
<th>Comments/ Action Items</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Background Review Study- D. Onishi provided background on the study area, existing infrastructure, West Harbour Servicing Study Conceptual Sanitary Servicing, Problem Statement</td>
<td></td>
</tr>
</tbody>
</table>
- D. Onishi noted a comment from U. Ehrenberg at the EA Agency meeting that if there was a reduction in stormwater flow into the Guise Street / James Street CSO tank to generate available capacity in the sewers for the West Harbour redevelopment flows, that an alternative use for this available capacity may be to decrease the combined sewer overflows into the harbour.  
- W. Plessl noted that on the Existing Infrastructure figure the Leander Boat Club sanitary service is shown connecting to Bay Street instead of the new sanitary sewer adjacent to Leander Drive.  
- **ACTION**- Dillon to revise the Existing Infrastructure figure. |
| 2. Alternative Solutions- J. Doiron reviewed the Initial Screening Alternative List:  
- Rehabilitate /upgrade the existing pumping stations  
- Provide on- site treatment of collected sewage  
- New pumping Stations (facilities) and forcemains  
- New Central pumping station forcemain  
- Gravity sewers  
- Do Nothing |  
<p>|</p>
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</table>
| 3. Evaluation Criteria- J. Doiron went over the evaluation criteria | Golden asked if a Cultural Landscapes Heritage Elements Figure could be added to the Heritage Impact Report. She also noted that she had provided comments and requested revisions to the report.  
W. Plessl noted that the sewers and pumping station shown on the Built Heritage figure were not aligned with the future street extensions.  
**ACTION** – D. Onishi to follow up with MHBC and request revisions.  
Golden noted the forcemain option through Eastwood Park may have a high potential for archaeology. More than likely a Stage 2 Archaeological assessment may be needed during detail design.  
K. Bunn requested a copy of the Natural Environment Report.  
**ACTION** – D. Morreale to provide K. Bunn with a copy of the report. |
| 4. Natural Environment, Archaeology, Built Heritage and Cultural Heritage Landscapes – D. Onishi reviewed the Environment, Social and Culture inventory / potential impact figures |   |
| 5. Alternative Solutions Evaluation – J. Doiron provided an overview of the analysis conducted in evaluating the Alternative Solutions  
Preferred Solution: New Pumping Stations (or facilities and forcemains) | **ACTION**: in the Project File Report it should be noted that during detail design Parks Planning should be consulted in the ultimate location of the Pumping Station.  
U. Ehrenberg noted from an operations standpoint one pumping station is preferred  
U. Ehrenberg requested the mapping of the proposed pumping station locations be changed to add a note/bubble of the general location of the proposed  
**ACTION** – Dillon to revise the preferred solution figure |
| 6. Peak Flows – J. Doiron provided an overview of | It was noted that the cumulative peak flow figure can be used as a tool for phasing |
the estimated cumulative peak flows associated with the West Harbour redevelopment.

and that the infrastructure will be constructed as needed for the timing of redevelopment.

C. Phillips noted that the current flow forecast is associated with the phasing of block development that is not consistent with the phasing that was included in the West Harbour Servicing Studies and Pro Forma Report by Dillon.

**ACTION:** J. Doiron to revise the cumulative peak flow figure and flow tables to be consistent with the Dillon report.

W. Plessel- did Dillon complete an analysis on the existing pumping station design?

**ACTION:** City of Hamilton to provide comments on the Peak Flows by December, 20, 2013.

U. Ehrenberg noted historic wet weather has not been captured yet for the existing pumping station on Pier 8. Is there merit in looking at pumping records when the pumping station is running especially during wet weather events.

**NEXT STEPS- Stakeholder meeting**

D. Onishi finalizing Agenda for Stakeholder meeting.
West Harbour Pumping Station EA Agency Meeting - Meeting Notes  
Thursday, December 5th, 2013  
Location: Hamilton City Hall – Meeting Room 816  

Attendees:  
- **City of Hamilton** - D. Morreale, S. Yong-Lee, U. Erhenberg, C. Gainham, S. Richmond  
- **Waterfront Trust** - W. Plessel  
- **HCA** - M. Stone, D. Kenney  
- **Dillon Consulting** - D. Onishi, J. Doiron  

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<th>Discussion Item</th>
<th>Comments/ Action Items</th>
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| 1. Background Review Study- | - **ACTION**: HCA will be providing comments on the Natural Environment Report to the City on week of December 9th, 2013 (M. Stone)  
- **ACTION**: HCA will be providing past comments on previous studies (D. Kenney)  
- D. Kenney noted that new infrastructure should be kept outside of the hazard zones  
- D. Kenney noted concerns on staging of works in the study (ie. Shoreline works, sewer infrastructure). Asked if the City had a proposed implementation plan. C. Gainham noted the City Parks Planning Group had a draft 3 year staging plan in place for capital works in the study area. **ACTION**: D. Morreale to obtain list from Parks Planning.  
- **ACTION**: C. Gainham to provide final shoreline FA recommendations to HCA |
| 2. Alternative Solutions - D. Onishi reviewed the Initial Screening Alternative List:  
- Rehabilitate /upgrade the existing pumping stations  
- Provide on-site treatment of collected sewage  
- New pumping Stations (facilities) and forcemains |
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<tr>
<td><strong>3. Evaluation Criteria</strong> - D. Onishi went over the evaluation criteria</td>
<td>U. Erhenberg noted that in the need to include compensation for Parks in the property acquisition section.</td>
</tr>
</tbody>
</table>
| **4. Alternative Solutions Evaluation** - D. Onishi provided and overview of the analysis conducted in evaluating the Alternative Solutions  
Preferred Solution: New Pumping Stations (or facilities and forcemains) | ACTION: in the Project File Report it should be noted that during detail design Parks Planning should be consulted in the ultimate location of the Pumping Station.  
U. Erhenberg noted from an operations standpoint one pumping station is preferred |
|   | ACTION: D. Onishi to send SWM information to HCA |
West Harbour Pumping Station EA Stakeholder Meeting - Meeting Notes  
Monday, December 9th, 2013  
Location: Hamilton Waterfront Trust – Boardroom

**Attendees:**  
City of Hamilton - D. Morreale, S. Yong-Lee, T. Propedo, Ramona Maharaj  
Waterfront Trust - W. Plessel  
Dillon Consulting - D. Onishi, J. Doiron  
HPA - Todd Hastings, Jeff Papiez  
Brewers Marine, Robin Brewer

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<th>Discussion Item</th>
<th>Comments/Action Items</th>
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| 1. Study Update – D. Onishi provided an update on the study including the study area, existing infrastructure and problem / opportunity statement. The PIC 1 material from September 23rd, 2013 was also reviewed. J. Doiron went over the study area pumping facility operator survey results that Dillon prepared for the stakeholders. | Comment – The purpose of this EA is to recommend a preferred solution to provide sanitary services that address the Setting Sail study parameters.  
Comment – The conclusion from the pumping facility operator survey was that most facilities, while providing service to the existing development did not have capacity to address future redevelopment needs. The former Parks Canada pumping station does not address existing needs. |
| 2. Alternative Solutions - J. Doiron reviewed the Initial Screening Alternative List:  
- Rehabilitate/upgrade the existing pumping stations  
- Provide on-site treatment of collected sewage  
- New pumping stations (facilities) and forcemains  
- New Central pumping station forcemain  
- Gravity sewers  
- Do Nothing | Question: T. Propedo - How is the existing infrastructure going to handle the new redevelopment needs? Response: D. Onishi – The recommended solution that will be presented later in the meeting allows for future development flows and will include new infrastructure on Piers 6, 7 and 8. Proposed redevelopment on Pier 5 is limited and existing infrastructure has not been recommended for replacement.  
Comment: D. Onishi - A comment received from staff was that lifting the site up to facilitate gravity sewers would impact views of the harbour from areas south of the study area.  
Comment: T. Propedo – There are other improvements proposed and that all upgrades should be completed at once instead of staging. Response: D. Onishi – L... |
Stasiuk has a list of all contemplated improvements and that the timing of implementation has been coordinated. Part of the preferred solution is a new pumping station on Pier 8 at a new park location. This improvement is being coordinated with a conceptual park design that is being undertaken.

Comment: D. Onishi – There are ongoing discussions with City staff regarding the need for site sewer storage to temporarily hold sewage during rain events. The existing combined sewer system has adequate capacity during dry weather. W. Plessl asked about dry weather / wet weather flows and D. Onishi noted that dry weather flows associated with the combined sewers were flows without rainwater and that wet weather flows included both sanitary and storm water during rain events.

3. Evaluation Criteria - J. Doiron went over the evaluation criteria


Preferred Solution: New Pumping Stations (or facilities) and forcemains: D. Onishi and J. Doiron reviewed the preferred solution – pumping station and forcemain routing.

Question: How will the West Marina washrooms and future development be facilitated with the EA recommendations. The future development can be accommodated in the proposed servicing upgrades. Some of the existing facilities will be replaced with the redevelopment.

The new pumping station is being sized for the estimated ultimate redevelopment need.

Question: What happens if the Lakeport brewing activities start up, is there enough capacity in the system, or will there be any impacts? Response: D. Onishi - City Public Works staff (C. Gainham) has the information on the existing sewer system at this location and would be able to assess this.

Question: T. Propedo - For Eastwood Park are there impacts or approvals regarding
service installation due to the potential soil contamination. Response: D. Onishi – it is expected that the amount of soil that will be required to be removed will be limited and that this type of soil is expected to be the same as what was encountered for the Eastwood Combined Storage Tank construction and can be managed. The forcemain routing has not been finalized and may not go through the park.

W. Plessl went over the history of the existing Pier 8 pumping station and what it was originally designed for.

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<th>Next Steps – D. Onishi gave a brief overview of the next steps for this study which included:</th>
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<td>- Second PIC first week in January</td>
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<td>- Project file report to be prepared</td>
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<td>- Report to Council</td>
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<td>- Project file report filed for 30 public review period</td>
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December 18, 2013

Lashia Jones (by email only)
Cultural Heritage Specialist
MHBC Planning, Urban Design & Landscape Architecture
540 Bingemans Centre Drive, Suite 200
Kitchener, ON N2B 3X9

Dear Ms Jones,

Project: Piers 5-8, Sewage Pumping Facilities-Hamilton Harbour, Municipal Class EA
Location: City of Hamilton
MTCS File: 00238

The Ministry of Tourism, Culture and Sport (MTCS) has received a report titled: *Heritage Impact Assessment – West Harbour Pumping Station, Hamilton Ontario* dated December 2013 prepared by MHBC Planning, Urban Design & Landscape Architecture, as part of the Class EA project mentioned above. The MTCS has an interest in this project as it relates to the conservation of cultural heritage resources including archaeological resources, built heritage resources, and cultural heritage landscapes.

MTCS has reviewed the Heritage Impact Assessment (HIA) and has the following comments and recommendations:

The HIA identified 19 properties included on the City of Hamilton Inventory of Buildings of Architectural or Historical Value or Interest, an additional 5 properties having potential cultural heritage value identified as part of this study and cultural landscapes.

The HIA states that the proposed work is generally limited to existing municipal (road) rights of ways or on municipal lands or located beneath ground previously disturbed park and Pier lands. As such the proposed works are not anticipated to have any adverse, long-term impacts to built heritage or cultural heritage landscapes within the study area.

MTC has no issues with this technical assessment report, and the cultural heritage resources identified. We note your email advice that the City of Hamilton Heritage Planning staff have reviewed the report and provided comments, which have been addressed in this draft.

Thank you for the opportunity to review this HIA and to provide input for this EA project.

Best Regards

Rosi Zirger
Heritage Planner
416-314-7159
rosi.zirger@ontario.ca
From: Stone, Mike  
Sent: October-03-13 2:48 PM  
To: Morreale, Diana  
Subject: Piers 5-8 Pumping Station, Municipal Class EA Phases 1&2

Hi Diana,

On September 16th we received the Notice of Commencement and Public Information Centre 1 for the Piers 5-8 Pumping Station Municipal Class EA study. Given a significant portion of the study area is regulated, HCA has an interest in the study and would appreciate continued circulation of notices and new information as it becomes available.

Thank you,

Mike

Mike Stone | Manager of Watershed Planning Services | Hamilton Conservation Authority  
838 Mineral Springs Road, P.O. Box 81067, Ancaster (Hamilton), Ontario L9G 4X1  
T: 905.525.2181 ext. 133 | F: 905.648.4622 | E: mstone@conservationhamilton.ca

The contents of this e-mail and any attachments are intended for the named recipient(s). This e-mail may contain information that is privileged and confidential. If you have received this message in error or are not the named recipient(s), please notify the sender and permanently delete this message without reviewing, copying, forwarding, disclosing or otherwise using it or any part of it in any form whatsoever. Thank you.
Hi Diana,

Thank you for contacting GO Transit. This email is in response to the letter received regarding Piers 5-8 Pumping Station, Municipal Class Environmental Assessment Phases 1 & 2.

- Based on the information that has been provided in the letter, GO Transit have no major concerns.
- However, due to the projects proximity to the future James Street North GO station we are interested in this project and wish to be kept informed.
- Please leave my group/agency on the Region’s mailing list for the remainder of the project.

Below is a synopsis of GO Transits work to date in the area. Please can you provide us with the PIC material to review and also confirm the schedule of work for this project, so we can ensure there are no further issues?

In May 2011, GO Transit completed the Niagara Rail Service Expansion Environmental Assessment (EA) for the expansion of service to the Niagara Peninsula. The Environmental Study Report (ESR) assessed a new GO station located at 353 James Street North in Hamilton, as part of delivering more integrated and effective public transportation in the GTHA. The ESR also assessed James Street North as a potential location for a layover facility, but was not recommended in considering the City of Hamilton’s vision for the waterfront area, and, as the site could only accommodate two trains (most layover sites must accommodate a minimum of four trains).

Since then, in order to meet the 2015 deadline for increased service to support the Pan Am and Parapan Am Games, and to avoid operational impacts such as deadheading of trains from outside of Hamilton, Metrolinx has consulted with the City of Hamilton regarding using the James Street North GO Station as an interim/temporary layover for two trains, until the Lewis Road Layover Facility, as approved in the EA, is constructed. The layover location resides within the West Harbour Secondary Plan area. Part of the study area falls into the Barton-Tiffany Planning Area.

If you require any further information or have any questions regarding the comments, please don’t hesitate to contact me.

Kind regards,
Sarah

Sarah Jermyn
Project Coordinator
Environmental Programs and Assessment
D: (416) 869-3600 x 4161
Sarah.Jermyn@gotransit.com

Capital Infrastructure
GO, a Division of Metrolinx
20 Bay Street, Toronto, ON, M5J 2W3
T: (416) 869-3600 F: (416) 869-1563
www.metrolinx.com; www.gotransit.com

Building Solutions to Move People
September 30, 2013

Ms. Diana Morreale
Senior Project Manager
City of Hamilton
71 Main St. W
Hamilton, ON L8P 4Y5

Dear Ms. Morreale:

Re: Information on the Canadian Environmental Assessment Act, 2012

Thank you for your letter of September 9 concerning Piers 5-8 Pumping Station in the City of Hamilton.

As part of the Government of Canada’s plan for Responsible Resource Development which seeks to modernize the regulatory system for project reviews, the former Canadian Environmental Assessment Act was repealed when Canadian Environmental Assessment Act, 2012 (CEAA 2012) came into force on July 6, 2012.

The CEAA 2012 applies to projects described in the Regulations Designating Physical Activities (the Regulations). Under CEAA 2012, the proponent must provide the Canadian Environmental Assessment Agency (the Agency) with a description of their proposed project if it appears to be described in the Regulations. For more information on CEAA 2012, please access the following links on the Agency’s website:

Overview of CEAA 2012
http://www.ceaa.gc.ca/default.asp?lang=En&n=16254939-1

Regulations Designating Physical Activities, and Prescribed Information for a Description of a Designated Project Regulations
http://www.ceaa.gc.ca/default.asp?lang=En&n=9EC7CAD2-1

Guide to Preparing a Description of a Designated Project

.../2
If it appears that CEAA 2012 may apply to your proposed project or if you have questions, please get in touch with our office through the switchboard at 416-952-1576.

Sincerely,

Amy Liu, Project Manager
Canadian Environmental Assessment Agency, Ontario Region
Diana Morreale  
Senior Project Manager  
City of Hamilton  
71 Main St. W  
Hamilton, Ontario L8P 4Y5

Re: Piers 5-8 Pumping Station  
Municipal Class Environmental Assessment Phases 1 & 2

Dear Ms. Morreale:

Thank you for informing the Ministry of Aboriginal Affairs (MAA) of your project. Please note that MAA treats all letters, emails, general notices, etc. about a project as a request for information about which Aboriginal communities may have rights or interests in the project area.

As a member of the government review team, the Ministry of Aboriginal Affairs (MAA) identifies First Nation and Métis communities who may have the following interests in the area of your project:

- reserves;
- land claims or claims in litigation against Ontario;
- existing or asserted Aboriginal or treaty rights, such as harvesting rights; or
- an interest in your project's potential environmental impacts.

MAA is not the approval or regulatory authority for your project, and receives very limited information about projects in the early stages of their development. In circumstances where a Crown-approved project may negatively impact a claimed Aboriginal or treaty right, the Crown may have a duty to consult the Aboriginal community advancing the claim. The Crown often delegates procedural aspects of its duty to consult to proponents. Please note that the information in this letter should not be relied on as advice about whether the Crown owes a duty to consult in respect of your project, or what consultation may be appropriate. Should you have any questions about your consultation obligations, please contact the appropriate ministry.

You should be aware that many First Nations either have or assert rights to hunt and fish in their traditional territories. For First Nations, these territories typically include lands and waters outside of their reserves.
In some instances, project work may impact aboriginal archaeological resources. If any Aboriginal archaeological resources could be impacted by your project, you should contact your regulating or approving Ministry to inquire about whether any additional Aboriginal communities should be contacted. Aboriginal communities with an interest in archaeological resources may include communities who are not presently located in the vicinity of the proposed project.

With respect to your project, and based on the brief materials you have provided, we can advise that the project appears to be located in an area where First Nations may have existing or asserted rights or claims in Ontario's land claims process or litigation, that could be impacted by your project. Contact information is below:

<table>
<thead>
<tr>
<th>First Nation/Community</th>
<th>Contact Person</th>
<th>Phone Number</th>
<th>Email Address</th>
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</thead>
<tbody>
<tr>
<td>Six Nations of the Grand River Territory</td>
<td>Chief William K. Montour</td>
<td>(519) 445-2201</td>
<td><a href="mailto:wkm@sixnations.ca">wkm@sixnations.ca</a></td>
</tr>
<tr>
<td></td>
<td></td>
<td>(Fax) 445-4208</td>
<td><a href="mailto:arleenmaracle@sixnations.ca">arleenmaracle@sixnations.ca</a></td>
</tr>
<tr>
<td>Haudenosaunee Confederacy</td>
<td>Hohahes Leroy Hill</td>
<td>Cell 519 717 7326</td>
<td><a href="mailto:jocko@sixnationsns.com">jocko@sixnationsns.com</a></td>
</tr>
<tr>
<td>Chiefs Council</td>
<td>Secretary to Haudenosaunee Confederacy Chiefs Council</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mississaugas of the New Credit First Nation</td>
<td>Chief Bryan LaForme</td>
<td>(905) 768-1133</td>
<td><a href="mailto:brylanlaforme@newcreditfirstnation.com">brylanlaforme@newcreditfirstnation.com</a></td>
</tr>
<tr>
<td>2789 Mississauga Rd., R.R. #6</td>
<td></td>
<td>(Fax) 768-1225</td>
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Through Aboriginal Affairs and Northern Development (AANDC), the Government of Canada sometimes receives claims that Ontario does not receive, or with which Ontario does not become involved. AANDC's Consultation and Accommodation Unit (CAU) established a "single window" to respond to requests for baseline information held by AANDC on established or potential Aboriginal Treaty and rights. To request information from the Ontario Subject Matter Expert send an email to: UCA-CAU@aadnc-aandc.gc.ca

Additional details about your project or changes to it that suggest impacts beyond what you have provided to date may necessitate further consideration of which Aboriginal communities may be affected by or interested in your undertaking. If you think that further consideration may be required, please bring your inquiry to whatever government body oversees the regulatory process for your project. MAA does not wish to be kept informed of the progress of the project; please be sure to remove MAA from the mailing list.

The information upon which the above comments are based is subject to change. First Nation or Métis communities can make claims at any time, and other developments can occur that could result in additional communities being affected by or interested in your undertaking.
Yours truly,

[Signature]

Heather Levecque
Manager, Consultation Unit
Aboriginal Relations and Ministry Partnerships Division
Diana Morreal  
Senior Project Manager, Infrastructure Planning  
Hamilton City Hall  
71 Main Street West, 6th Floor  
Hamilton, ON, L8P 4Y5

**Re:** Piers 5-8 Pumping Station  
**Municipal Class Environmental Assessment Phases 1&2**

Dear Ms. Morreal:

Thank you for informing the Ministry of Aboriginal Affairs (MAA) of your project. Please note that MAA treats all letters, emails, general notices, etc. about a project as a request for information about which Aboriginal communities may have rights or interests in the project area.

As a member of the government review team, the Ministry of Aboriginal Affairs (MAA) identifies First Nation and Métis communities who may have the following interests in the area of your project:

- reserves;
- land claims or claims in litigation against Ontario;
- existing or asserted Aboriginal or treaty rights, such as harvesting rights; or
- an interest in the area of the project.

MAA is not the approval or regulatory authority for your project, and receives very limited information about projects in the early stages of their development. In circumstances where a Crown-approved project may negatively impact a claimed Aboriginal or treaty right, the Crown may have a duty to consult the Aboriginal community advancing the claim. The Crown often delegates procedural aspects of its duty to consult to proponents. Please note that the information in this letter should not be relied on as advice about whether the Crown owes a duty to consult in respect of your project, or what consultation may be appropriate. Should you have any questions about your consultation obligations, please contact the appropriate ministry.

You should be aware that many First Nations either have or assert rights to hunt and fish in their traditional territories; these territories typically include lands and waters outside of their reserves.
In some instances, project work may impact aboriginal archaeological resources. If any Aboriginal archaeological resources could be impacted by your project, you should contact your regulating or approving Ministry to inquire about whether any additional Aboriginal communities should be contacted. Aboriginal communities with an interest in archaeological resources may include communities who are not presently located in the vicinity of the proposed project.

With respect to your project, and based on the brief materials you have provided, we can advise that the project appears to be located in an area where First Nations may have existing or asserted rights or claims in Ontario’s land claims process or litigation, that could be impacted by your project. Contact information is below:

| Six Nations of the Grand River Territory
| P.O. Box 5000, 1695 Chiefswood Road
| OHSWEKEN, Ontario
| N0A 1M0
| Chief William K. Montour
| (519) 445-2201
| (Fax) 445-4208
| wkm@sixnations.ca
| arleenmaracle@sixnations.ca

| Haudenosaunee Confederacy
| Chiefs Council
| 2634 6th Line Road
| RR 2 Ohsweken,
| ON N0A 1M0
| Hohahes Leroy Hill
| Secretary to Haudenosaunee Confederacy
| Chiefs Council
| Cell 519 717 7326
| jocko@sixnationsns.com

| Mississaugas of the New Credit First Nation
| 2789 Mississauga Rd., R.R. #6
| HAGERSVILLE, Ontario
| N0A 1H0
| Chief Bryan LaForme
| (905) 768-1133
| (Fax) 768-1225
| brylanforme@newcreditfirstnation.com

The information upon which the above comments are based is subject to change. First Nation or Métis communities can make claims at any time, and other developments can occur that could result in additional communities being affected by or interested in your undertaking.

Through Aboriginal Affairs and Northern Development (AANDC), the Government of Canada sometimes receives claims that Ontario does not receive, or with which Ontario does not become involved. AANDC’s Consultation and Accommodation Unit (CAU) established a “single window” to respond to requests for baseline information held by AANDC on established or potential Aboriginal Treaty and rights. To request information from the Ontario Subject Matter Expert send an email to: UCA-CAU@aadnc-aandc.gc.ca
Additional details about your project or changes to it that suggest impacts beyond what you have provided to date may necessitate further consideration of which Aboriginal communities may be affected by or interested in your undertaking. If you think that further consideration may be required, please bring your inquiry to whatever government body oversees the regulatory process for your project. MAA does not wish to be kept informed of the progress of the project; please be sure to remove MAA from the mailing list.

Yours truly,

[Signature]

Heather Levecque
Manager, Consultation Unit
Aboriginal Relations and Ministry Partnerships Division
October 2, 2013

Diana Morreale (by email only)
Senior Project Manager
City of Hamilton
71 Main Street West
Hamilton, ON L8P 4Y5

Dear Ms Morreale

Project: Piers 5 – 8, Sewage Pumping Facilities (Hamilton Harbour)
Location: City of Hamilton
MTCS File: 00238

On September 17, 2013 the Ministry of Tourism, Culture and Sport (MTCS) received a Notice of Study Commencement and Public Information Centre #1 for the project mentioned above. As part of the Class Environmental Assessment process, the MTCS has an interest in the conservation of cultural heritage resources including:

- archaeological resources,
- built heritage resources, and
- cultural heritage landscapes.

MTCS would be interested in remaining on the circulation list and being informed of the project as it proceeds through the EA process. We would ask that you send future notices to Rosi Zirger Heritage Planner.

Could you advise whether an archaeological assessment and/or heritage impact assessment is being undertaken for this EA project? If so please forward the completed reports to MTCS prior to issuing a Notice of Completion.

If you have not yet determined whether these technical studies will be completed as part of the EA, then the following information will assist you in doing so.

Archaeological Resources

Please be aware that, while much of the study area is reclaimed land, there are nevertheless portions of natural shoreline within the EA area. As such the lands that are the subject of this EA meets at least one provincial criteria and is considered to have archaeological potential.

An archaeological assessment by an archaeologist licensed under the Ontario Heritage Act is recommended for this project including temporary roads/detours or work areas prior to the selection of preferred alternative. The assessment reports must conform to the Ministry of Tourism and Culture's Standards and Guidelines for Consultant Archaeologists (2011). The licensed archaeologist will forward all completed archaeological assessment reports to the Ministry for review by an Archaeology Review Officer.
Built Heritage and Cultural Heritage Landscapes

In addition, in order to determine the existing cultural conditions, known and potential built heritage resources and cultural heritage landscapes should be identified. The Ministry’s “Screening for Impacts to Built Heritage and Cultural Heritage Landscapes” checklist will help you in identifying known or potential built heritage resources and cultural heritage landscapes within the study area. The local municipal Clerk or Heritage Planner can provide information on properties listed or designated under the Ontario Heritage Act. Contacting the municipal heritage committee, municipal heritage planner or any relevant community heritage organizations can also help you in completing this checklist. Local knowledge plays an important role in the identification of heritage resources, and information gathered at early public meetings may also inform some sections of the checklist.

If your EA project has the potential to impact built heritage resources or cultural heritage landscapes, MTCS recommends that a Heritage Impact Assessment (HIA) be prepared by a qualified consultant. The HIA is a tool to help identify the cultural heritage value of any individual built heritage resources or cultural heritage landscapes that are located within or near the project area. Additionally, the report provides recommendations on how to avoid, limit or mitigate impacts to these resources.

For more information, refer to MTCS Info Sheet #5: Heritage Impact Assessments and Conservation Plans (PDF) as part of the Ontario Heritage Tool Kit, which is available at the Ministry website: http://www.mtc.gov.on.ca/en/publications/Heritage_Tool_Kit_Heritage_PPS_InfoSheet.pdf. Please send the completed HIA to the Ministry for review by a Heritage planner. The HIA should also be sent to the local municipality for review, and made available to local heritage organizations with an interest in this project.

EA Documentation

These technical reports and their recommendations are part of the EA project and should be included in the EA report. If it is determined that no cultural heritage or archaeological resources are to be impacted and no technical studies are to be completed, then this should also be documented in the final EA report. In this regard we suggest that the screening checklists be attached to the final EA report.

Thank you for the opportunity to provide comment, and please contact me for any questions or clarification.

Sincerely,

Rosi Zirger
Heritage Planner
416-314-7159
rosi.zirger@ontario.ca
Screening for Impacts to Built Heritage and Cultural Heritage Landscapes

This checklist is intended to help proponents determine whether their project could affect known or potential cultural heritage resources. The completed checklist should be returned to the appropriate Heritage Planner or Heritage Advisor at the Ministry of Tourism and Culture.

### Step 1 – Screening for Recognized Cultural Heritage Value

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1. Is the subject property designated or adjacent* to a property designated under the Ontario Heritage Act?
2. Is the subject property listed on the municipal heritage register or a provincial register/list? (e.g. Ontario Heritage Bridge List)
3. Is the subject property within or adjacent to a Heritage Conservation District?
4. Does the subject property have an Ontario Heritage Trust easement or is it adjacent to such a property?
5. Is there a provincial or federal plaque on or near the subject property?
6. Is the subject property a National Historic Site?
7. Is the subject property recognized or valued by an Aboriginal community?

### Step 2 – Screening Potential Resources

#### Built heritage resources

1. Does the subject property or an adjacent property contain any buildings or structures over forty years old† that are:
   - Residential structures (e.g. house, apartment building, shanty or trap line shelter)
   - Farm buildings (e.g. barns, outbuildings, silos, windmills)
   - Industrial, commercial or institutional buildings (e.g. a factory, school, etc.)
   - Engineering works (e.g. bridges, water or communications towers, roads, water/sewer systems, dams, earthworks, etc.)
   - Monuments or Landmark Features (e.g. cairns, statues, obelisks, fountains, reflecting pools, retaining walls, boundary or claim markers, etc.)
2. Is the subject property or an adjacent property associated with a known architect or builder?
3. Is the subject property or an adjacent property associated with a person or event of historic interest?
4. When the municipal heritage planner was contacted regarding potential cultural heritage value of the subject property, did they express interest or concern?

#### Cultural heritage landscapes

5. Does the subject property contain landscape features such as:
   - Burial sites and/or cemeteries
   - Parks or gardens
   - Quarries, mining, industrial or farming operations
   - Canals
   - Prominent natural features that could have special value to people (such as waterfalls, rocky outcrops, large specimen trees, caves, etc.)
   - Evidence of other human-made alterations to the natural landscape (such as trails, boundary or way-finding markers, mounds, earthworks, cultivation, non-native species, etc.)
6. Is the subject property within a Canadian Heritage River watershed?
7. Is the subject property near the Rideau Canal Corridor UNESCO World Heritage Site?
8. Is there any evidence from documentary sources (e.g., local histories, a local recognition program, research studies, previous heritage impact assessment reports, etc.) or local knowledge or Aboriginal oral history, associating the subject property/area with historic events, activities or persons?
Note:

If the answer is "yes" to any question in Step 1, proceed to Step 3.

The following resources can assist in answering questions in Step 1:

- **Municipal Clerk or Planning Department** – Information on properties designated under the Ontario Heritage Act (individual properties or Heritage Conservation Districts) and properties listed on a Municipal Heritage register.
- **Ontario Heritage Trust** – Contact the OHT directly regarding easement properties. A list of OHT plaques can be found on the website: Ontario Heritage Trust
- **Parks Canada** – A list of National Historic Sites can be found on the website: Parks Canada
- **Ministry of Tourism and Culture** – The Ontario Heritage Properties Database includes close to 8000 Identified heritage properties. Note while this database is a valuable resource, it has not been updated since 2005, and therefore is not comprehensive or exhaustive. Ontario Heritage Properties Database
- **Local or Provincial archives**
- **Local heritage organizations**, such as the municipal heritage committee, historical society, local branch of the Architectural Conservancy of Ontario, etc.

Consideration should also be given to obtaining oral evidence of CHRs. For example, in many Aboriginal communities, an important means of maintaining knowledge of cultural heritage resources is through oral tradition.

If the answer is "yes" to any question in Step 2, an evaluation of cultural heritage value is required. If cultural heritage resources are identified, proceed to Step 3.

If the answer to any question in Step 1 or to questions 2-4, 6-8 in Step 2, is "unknown", further research is required.

If the answer is "yes" to any of the questions in Step 3, a heritage impact assessment is required.

If uncertainty exists at any point, the services of a qualified person should be retained to assist in completing this checklist. All cultural heritage evaluation reports and heritage impact assessment reports must be prepared by a qualified person. Qualified persons means individuals (professional engineers, architects, archaeologists, etc.) having relevant, recent experience in the identification and conservation of cultural heritage resources. Appropriate evaluation involves gathering and recording information about the property sufficient to understand and substantiate its heritage value; determining cultural heritage value or interest based on the advice of qualified persons and with appropriate community input. If the property meets the criteria in Ontario Regulation 9/06 under the Ontario Heritage Act, it is a cultural heritage resource.

1 The 40 year old threshold is an indicator of potential when conducting a preliminary survey for identification of cultural heritage resources. While the presence of a built feature that is 40 or more years old does not automatically signify cultural heritage value, it does make it more likely that the property could have cultural heritage value or interest. Similarly, if all the built features on a property are less than 40 years old, this does not automatically mean the property has no cultural heritage value. Note that age is not a criterion for designation under the Ontario Heritage Act.

### Step 3 – Screening for Potential Impacts

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- **Will the proposed undertaking/project involve or result in any of the following potential impacts to the subject property or an adjacent* property?**

  - ✅ **Destruction, removal or relocation** of any, or part of any, heritage attribute or feature.
  - ✅ **Alteration** (which means a change in any manner and includes restoration, renovation, repair or disturbance).
  - ✅ **Shadows** created that alter the appearance of a heritage attribute or change the exposure or visibility of a natural feature or plantings, such as a garden.
  - ✅ **Isolation** of a heritage attribute from its surrounding environment, context or a significant relationship.
  - ✅ **Direct or indirect obstruction** of significant views or vistas from, within, or to a built or natural heritage feature.
  - ✅ **A change in land use** such as rezoning a battlefield from open space to residential use, allowing new development or site alteration to fill in the formerly open spaces.
  - ✅ **Soil disturbance** such as a change in grade, or an alteration of the drainage pattern, or excavation, etc.

* For the purposes of evaluating potential impacts of development and site alteration "adjacent" means: contiguous properties as well as properties that are separated from a heritage property by narrow strip of land used as a public or private road, highway, street, lane, trail, right-of-way, walkway, green space, park, and/or easement or as otherwise defined in the municipal official plan.

November 2010
The City of Hamilton is interested in hearing what you have to say.

PIERS 5 – 8, SEWAGE PUMPING FACILITIES

Municipal Class Environmental Assessment- Notice of Study Commencement and Public Information Centre 1

We invite you to attend a Public Information Centre to learn more about the study. Details are as follows:

Date:       Monday, September 23rd, 2013
Time:       6:00 p.m. to 8:00 p.m.
Location:    Hamilton Waterfront Trust Centre (former Discovery Centre)
             57 Discovery Drive, Multi-Purpose Room

The Study

With the approval of the Setting Sail Secondary Plan and the proposed land use of Pier 8 the City of Hamilton is currently reviewing the existing infrastructure to determine if it addresses current needs and will meet the future growth needs of the area. Piers 5 to 8 are currently serviced by a number of sewage pumping facilities. Operational deficiencies have been identified with the existing pumping station that services the development located on the west and north end of Pier 8.

The objectives of the Schedule B, Class EA project will be to review and compare alternative solutions for the rehabilitation of existing pumping station facilities or the construction of new pumping station(s). As part of this study, alternative locations for new pumping station(s) and associated sewage forcemain(s) will be reviewed to identify the preferred solution which may include the decommissioning of existing sewage pumping facilities.

The Process

The study will follow the requirements set out in the Municipal Class EA. It will define the problem, consider and evaluate the alternative solutions, assess impacts of the proposed solution, and identify measures to lessen any adverse impacts.

Public consultation is an important part of this study. We would like to hear from you. If you would like more information or would like to be placed on the study mailing list please contact:

Diana Morreale
Senior Project Manager
City of Hamilton
71 Main St W.
Hamilton, ON, L8P 4Y5

Tel: 905-546-2424 ext. 4101
Fax: 905-546-5611
E-mail: Diana.Morreale@hamilton.ca
Website: www.hamilton.ca/waterfront
Issue Date: September 13, 2013

Please contact the City of Hamilton regarding disability accommodation requirements as soon as possible.
October 8, 2013

City of Hamilton
Planning and Economic Development Department
Infrastructure Planning Section, Growth Management Division
Hamilton City Hall
71 Main St. West, 6th Floor
Hamilton, Ontario, L8P 4Y5

Attention: Diana Morreale, MCIP, RPP
Senior Project Manager
Infrastructure Planning

Re: Piers 5 – 8 Pumping Station
Municipal Class Environmental Assessment Phases 1 & 2

Dear Diana:

Sun-Canadian Pipe Line Company Limited owns and operates a NPS 6 oil pipeline across Pier 8 lands and confirms an interest in any work proposed for the area.

We attach 2 route maps outlining our location and ask that you include our pipeline when evaluating the various pumping station, force mains and other associated sewage facilities.

Please contact myself at 905-689-5606 if you have further questions.

Regards,

W. Paul Lane, CET,
Sr. Property & Construction Technologist
plane@sun-canadian.com
Hi Cyrus,
Thank you for your email. Your comments have been noted.

Have a great day,
Diana

---

In our initial review, we can confirm that there are no Hydro One Transmission Facilities in the subject area.

Please be advised that this is only a preliminary assessment based on current information. No further consultation with Hydro One Networks Inc. is required if no changes are made to the current information.

If you have any further questions or concerns, please feel free to contact me.

Regards,

Cyrus Elmpak-Mackie
Hydro One Networks Inc.
Transmission Asset Management
483 Bay Street, North Tower 15th Floor
Toronto, ON, M5G 2P5
416.345.1265
BY EMAIL

January 16, 2013

Diana Morreale, Senior Project Manager
Planning & Economic Development, Growth Management Division
City of Hamilton
71 Main St. West, 6th Floor
Hamilton, ON L8P 4Y5

Dear Ms. Morreale,

Re: Piers 5 – 8 Sewage Pumping Facilities
Municipal Class Environmental Assessment

Thank you for providing the Hamilton Conservation Authority (HCA) with a copy of the Natural Environment Existing Conditions Summary Report (Dillon Consulting Ltd., November 13, 2013) that has been prepared in support of the Piers 5 – 8 Sewage Pumping Facilities Class EA study. HCA staff also had the opportunity to meet with City staff and their consultants on December 5, 2013 to discuss the report and the project more generally. Further to that meeting and our review of the Summary Report we offer the following comments for your consideration.

In Section 4.0 of the Summary Report, Evaluation of Alternatives, it is noted that the pruning or removal of select landscape trees may be required as a result of some of the proposed construction work, including the possible removal of a 65cm DBH Tree-of-Heaven. HCA staff note this is a highly invasive species, and would recommend the recorded species be removed at the noted location (and at any other locations within the study area) regardless of whether or not construction work necessitates its removal.

As discussed at the December 5, 2013 meeting, a significant portion of the study area is regulated under HCA's Development, Interference with Wetlands and Alterations to Shorelines and Watercourses Regulation 161/06 under Ontario Regulation 97/04. All proposed construction work/activities within a regulated area will have to be reviewed by HCA staff in the context of our regulation and associated policies. To assist in this regard, HCA staff will be following-up with the Hamilton Waterfront Trust to obtain a copy of the final study completed by Shoreplan Engineering Ltd. that examined the hazards (wave up-rush) associated with the waterfront as part of the West Harbour Waterfront Recreation Master Plan and West Harbour Waterfront Shoreline and Breakwater Infrastructure Class EA.
Thank you for the opportunity to review the Natural Environment Existing Conditions Summary Report and for our meeting on December 5, 2013 to discuss the project. I would kindly ask that you please continue to keep HCA informed as the study progresses.

Please contact me at 905-525-2181 (ext. 133) should you have any questions or if clarification regarding these comments is required.

Kind regards,

Mike Stone
Manager, Watershed Planning Services

Cc: Doug Onishi, Dillon Consulting Ltd.
Hi Mike,

Thank you for your letter dated January, 16, 2013.

The project team has noted HCA’s recommendation on the removal of the 65 cm DBH Tree-of-Heaven.

A digital copy of the Hamilton West Harbour Shoreline and Breakwater Infrastructure Environmental Study Report can be accessed through the following web link.

http://www.hamilton.ca/CityDepartments/PublicWorks/Environment_Sustainable_Infrastructure/StrategicPlanning/StrategicEnvironmentalPlanningProjects/Municipal+Class+Environmental+Assessment+%28Class+EA%29+Phases+3+and+4+for+Hamilton+West+Harbour+Waterfr.htm

The project team is in the process of finalizing the Project File Report for Pier 5-8 Sewage Pumping Facilities, a draft copy will be circulated to your office for comments.

Thank you for your continued participation on this project.
Diana

Diana Morreale, MCIP, RPP  |  PED - Senior Project Manager, Growth Management Division
City of Hamilton  |  905.546.2424 x 4101  |  Diana.Morreale@hamilton.ca
MUNICIPAL ENVIRONMENTAL ASSESSMENT FOR PIERS 5-8 SEWER PUMPING STATION UPGRADES

The City of Hamilton is interested in hearing the community’s comments, questions, concerns, and suggestions regarding Piers 5-8 Sewer Pumping Station Upgrades. Please take a few minutes to complete this brief comment sheet. All comments will be carefully considered in the Environmental Assessment Process.

1. Do you have any comments related to the existing pumping station(s) and or the existing conditions in this study area?
   None

2. Do you have any comments, concerns, questions or suggestions regarding the evaluation criteria for the pumping station upgrade alternatives?
   Too many considerations most are not for the obvious alternatives

3. What do you see as the advantages/disadvantages of the proposed project from the perspective of your organization or as a resident of the area?
   None of the obvious choices would be any problem to the existing neighborhood.

4. Additional comments related to the project.
   Cost to the city way too much money to go from those multiple considerations when there really are only 3 obvious choices

5. How useful did you find the Public Information centre? (please circle one)
   Very Useful 1 2 (3) 4 5 Not Very Useful
6. How would you describe the nature of your interest in this study?

- [X] Member of the General Public (including resident)
- [X] Member of an Interest Group (Please specify: adjacent neighborhood)
- [ ] Consultant
- [ ] Agency Representative (Please specify:)
- [ ] Other (Please specify:)

7. Please provide any other comments regarding the Public Information Centre (i.e., location, help received on understanding study and your concerns, opportunity provided to ask questions/comments/express concern).

No need to run a P.I.C. until
choices are narrowed
down to obvious (repair, replace)

Comments and information regarding this study are being collected to assist the City of Hamilton in meeting the requirements of the Environmental Assessment Act. They will be maintained on file for use during the study and may be included in study documentation. With the exception of personal information, all comments will become part of the public record.

Please mail these comments by Monday October 7, 2013 to either:

Diana Morreale, MCIP, RPP
Senior Project Manager
City of Hamilton, Planning and Economic Development
Ph. 905-546-2424 ext. 4101
Fax 905-540-5611
E-mail: Diana.Morreale@hamilton.ca

Property Location: (if different from mailing address):
MUNICIPAL ENVIRONMENTAL ASSESSMENT FOR PIERS 5-8 SEWER PUMPING STATION UPGRADES

The City of Hamilton is interested in hearing the community's comments, questions, concerns, and suggestions regarding Piers 5-8 Sewer Pumping Station Upgrades. Please take a few minutes to complete this brief comment sheet. All comments will be carefully considered in the Environmental Assessment Process.

1. Do you have any comments related to the existing pumping station(s) and or the existing conditions in this study area?
   Located to the lake is there a chance of old infrastructure leaking, contaminating waterway

2. Do you have any comments, concerns, questions or suggestions regarding the evaluation criteria for the pumping station upgrade alternatives?
   Why are upgrades being done prior to RFP & prior development

3. What do you see as the advantages/disadvantages of the proposed project from the perspective of your organization or as a resident of the area?
   Construction noise, traffic, detours, air quality (Past)

4. Additional comments related to the project.
   Not at this time, will have more when update is made

5. How useful did you find the Public Information centre? (please circle one)
   Very Useful  1  2  3  Not Very Useful  4  5
6. How would you describe the nature of your interest in this study?

- Member of the General Public (including resident)
- Member of an Interest Group (Please specify: Hamilton Naturalist Club)
- Consultant
- Agency Representative (Please specify: North End Neighbours)
- Other (Please specify: )

7. Please provide any other comments regarding the Public Information Centre (i.e., location, help received on understanding study and your concerns, opportunity provided to ask questions/comments/express concern).

Most questions have been answered thoroughly.

Comments and information regarding this study are being collected to assist the City of Hamilton in meeting the requirements of the Environmental Assessment Act. They will be maintained on file for use during the study and may be included in study documentation. With the exception of personal information, all comments will become part of the public record.

Please mail these comments by Monday October 7, 2013 to either:

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**PUBLIC INFORMATION CENTRE**  
**PIERS 5-8 SEWER PUMPING STATION UPGRADERS**  
*Municipal Class Environmental Assessment*  
Hamilton Waterfront Trust Centre  
Monday, September 23rd, 2013  
6:00 P.M. – 8:00 P.M.

**SIGN-IN SHEET**  
(please print)

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Information will be collected in accordance with the *Freedom of Information and Protection of Privacy Act*. With the exception of personal information, all comments will become part of the public record.
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**Other Municipalities**

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<td>Robichaud</td>
<td>Lynn</td>
<td>Ms.</td>
<td>Environmental Co-ordinator</td>
<td>City of Burlington</td>
<td>446 Brant St, P.O. Box 6013</td>
<td>Burlington, ON</td>
<td>L7R 3Z5</td>
<td>905-335-7900 x7831 Fax 905-335-7880 <a href="mailto:robichaud@burlington.ca">robichaud@burlington.ca</a></td>
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<td>Langley</td>
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<td>Cartographer</td>
<td>Bruce Trail Conservancy</td>
<td>PO Box 857</td>
<td>Hamilton, ON</td>
<td>L8N 3N9</td>
<td>Phone: 905-529-6821 Fax: 905-529-6823 <a href="mailto:slangley@brucetrail.org">slangley@brucetrail.org</a></td>
<td>Physical/courier address: Raspberry House Arboretum Section Royal Botanical Gardens Old Guelph Rd. Dundas, ON L9H 5Y6</td>
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<td>Peck</td>
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<td>Director, Watershed Planning &amp; Engineering</td>
<td>Hamilton Conservation Authority</td>
<td>838 Mineral Springs Road, Box 8107</td>
<td>Ancaster, ON</td>
<td>L9G 4X1</td>
<td>905-525-2181 x130 Fax: 905-648-4622 <a href="mailto:tspeck@conservationhamilton.ca">tspeck@conservationhamilton.ca</a></td>
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<tr>
<td>Stone</td>
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<td>Box 81097 838 Mineral Springs Rd.</td>
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<tr>
<td>Cunningham</td>
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<td>Ministry of Agriculture and Food</td>
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<td>Durst</td>
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<td>4890 Victoria Ave. N., P.O. Box 5000</td>
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<td>400 University Avenue, 4th Floor</td>
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<td>Regional Director - Hamilton/Niagara Regional Office</td>
<td>Ministry of Community and Social Services</td>
<td>119 King St. W. 7th Floor</td>
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<td>100 Bloor Street East, 8th Floor</td>
<td>Toronto, ON</td>
<td>M7A 2E6</td>
<td>Tel: (416) 326-6313 Fax: (416) 325-1066 <a href="mailto:Ashley.Johnson@ontario.ca">Ashley.Johnson@ontario.ca</a></td>
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<td>Hamilton, ON</td>
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<td>905-521-7964 Fax 905-521-7900 <a href="mailto:barbara.ryter@ene.gov.on.ca">barbara.ryter@ene.gov.on.ca</a></td>
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<td>720 Bay St.4th Floor</td>
<td>Toronto, ON</td>
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<td>Fax 416-328-4017 <a href="mailto:pam.wheaton@ontario.ca">pam.wheaton@ontario.ca</a></td>
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<td>Niagara Escarpment Commission</td>
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<td>Zirger</td>
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<td>401 Bay Street, 17th Floor</td>
<td>Toronto, ON</td>
<td>M7A 0A7</td>
<td>416-314-7159 Fax 416-314-7175 <a href="mailto:roz.zirger@ontario.ca">roz.zirger@ontario.ca</a></td>
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<td>Environment Canada</td>
<td>2 St. Clair Ave. W. 14th Floor</td>
<td>Toronto, ON</td>
<td>M4V 1L5</td>
<td>Fax 416-952-1573</td>
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<td>Hall</td>
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<td>Remedial Action Plan (RAP)</td>
<td>Canadian Center for Inland Waters</td>
<td>967 Lakeshore Road P.O. Box 5500</td>
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<td><a href="mailto:loute.knox@ceaa-acee.gc.ca">loute.knox@ceaa-acee.gc.ca</a></td>
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<tr>
<td>Ministry of Health &amp; Long Term Care</td>
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<tr>
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<td>c/o&quot;Integrated Policy &amp; Planning Division&quot;</td>
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<td>c/o&quot;Fish Habitat Biologist - Habitat Management&quot;</td>
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<td>Morton</td>
<td>Emily</td>
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<td>c/o&quot;Fish Habitat Biologist&quot;</td>
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<tr>
<td>National Heritage Information Centre</td>
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<td>c/o&quot;National Heritage Information Centre&quot;</td>
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<tr>
<td>Neuman</td>
<td>Carol</td>
<td>Ms.</td>
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<td>N0B 1S0</td>
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<td>c/o&quot;Rural Planner&quot;</td>
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<td>Ontario Region</td>
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<td>Fax 416-952-1573</td>
<td>c/o&quot;Ontario Region&quot;</td>
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<td>c/o&quot;Environmental Assessment Projects Officer&quot;</td>
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<td>Speller</td>
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<td>c/o&quot;Environment Officer - Environment Unit, Ontario Region&quot;</td>
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<td>Townson</td>
<td>Janet</td>
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<td>Claims Analyst, Ontario Team, Specific Claims Branch</td>
<td>Ministry of Indian and Northern Affairs</td>
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<td>Fax 416-952-1573</td>
<td>c/o&quot;Claims Analyst, Ontario Team, Specific Claims Branch&quot;</td>
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<td>Mr.</td>
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<td>c/o&quot;Navigable Waterways Program&quot;</td>
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<td>Last Name</td>
<td>First Name</td>
<td>Title</td>
<td>Job Title</td>
<td>Organization</td>
<td>Street Address</td>
<td>City and Province</td>
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<td>NGOs</td>
<td>Assembly of First Nations</td>
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<td>Barberstock</td>
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<td>Last Name</td>
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<tr>
<td>Ense</td>
<td>Linda</td>
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<td>Send email to <a href="mailto:kathleen@metisnation.org">kathleen@metisnation.org</a> who will forward to appropriate person</td>
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<tr>
<td>Last Name</td>
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**BIAs and Neighbourhood Groups**

**Neighbourhood Groups/Organizations**

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<th>Hamilton, ON</th>
<th>L8P 1Y2</th>
<th>289-897-2366</th>
<th><a href="mailto:jebrown2009@gmail.com">jebrown2009@gmail.com</a></th>
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<tr>
<td>Drewit</td>
<td>Kathy</td>
<td>Executive Director</td>
<td>Downtown Hamilton BIA</td>
<td>20 Hughson St. S., Suite 807</td>
<td>Hamilton, ON</td>
<td>L8N 2A1</td>
<td>905-523-1846</td>
<td><a href="mailto:info@downtownhamilton.org">info@downtownhamilton.org</a></td>
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**Other Related Community Groups**

<table>
<thead>
<tr>
<th>Beland</th>
<th>David</th>
<th>Chairperson</th>
<th>Citizens for Citizens Ward Three Neighbourhoods</th>
<th>182 St. Clair Blvd.</th>
<th>Hamilton, ON</th>
<th>L8M 2P1</th>
<th>905-549-4407</th>
<th><a href="mailto:dbeland@istar.ca">dbeland@istar.ca</a></th>
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<tr>
<td>Bishop</td>
<td>Judith</td>
<td>Trustee Ward 1 and 2, Past Chair</td>
<td>Hamilton Wentworth District School Board (HWDSB)</td>
<td>182 St. Clair Blvd.</td>
<td>Hamilton, ON</td>
<td>L8M 2P1</td>
<td>905-512-5713</td>
<td><a href="mailto:judith.bishop@hwdsb.on.ca">judith.bishop@hwdsb.on.ca</a>, <a href="mailto:judithbishop@sympatico.ca">judithbishop@sympatico.ca</a></td>
</tr>
<tr>
<td>Logan</td>
<td>Karen</td>
<td>Communications Coordinator</td>
<td>Hamilton Industrial Environmental Association</td>
<td>P.O. Box 35545</td>
<td>Hamilton, ON</td>
<td>L8H 7S6</td>
<td>905-561-4432</td>
<td><a href="mailto:hiae_communications@bellnet.ca">hiae_communications@bellnet.ca</a></td>
</tr>
<tr>
<td>Lukasky</td>
<td>Lynda</td>
<td>Chair</td>
<td>Environment Hamilton</td>
<td>22 Wilson Street, Unit 4</td>
<td>Hamilton, ON</td>
<td>L8R 1G7</td>
<td>905-549-6000</td>
<td><a href="mailto:contactus@environmenthamilton.org">contactus@environmenthamilton.org</a></td>
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<tr>
<td>McLaughlin</td>
<td>Chris</td>
<td>Executive Director</td>
<td>Bay Area Restoration Council</td>
<td>LSB-913OF, McMaster University</td>
<td>Hamilton, ON</td>
<td>L8S 4K1</td>
<td>905-527-7111</td>
<td><a href="mailto:cmclaughlin@hamiltonharbour.ca">cmclaughlin@hamiltonharbour.ca</a></td>
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<tr>
<td>McLean</td>
<td>Don</td>
<td>Organizer</td>
<td>Citizens at City Hall (CATCH)</td>
<td>3195 Harvest Road, 3nd Floor</td>
<td>Hamilton, ON</td>
<td>L8M 2P1</td>
<td>905-664-8796</td>
<td><a href="mailto:info@hamiltoncatch.org">info@hamiltoncatch.org</a></td>
</tr>
<tr>
<td>Miller</td>
<td>Alison</td>
<td>Community Outreach/Volunteer Coordinator</td>
<td>Community Action Program for Children</td>
<td>150 Violet Dr.</td>
<td>Hamilton, ON</td>
<td>L8L 6V4</td>
<td>905-546-4295</td>
<td><a href="mailto:capc@capc.harmonilton.on.ca">capc@capc.harmonilton.on.ca</a></td>
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<tr>
<td>Moroz</td>
<td>Alex</td>
<td>Chair</td>
<td>Cathy Wever Elementary School, 160 Wentworth St. N.</td>
<td>160 Wentworth St. N.</td>
<td>Hamilton, ON</td>
<td>L8L 5V7</td>
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<td><a href="mailto:amoroz@cogeco.ca">amoroz@cogeco.ca</a></td>
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<tr>
<td>Murchie</td>
<td>Angela</td>
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<td>47 Discovery Dr.</td>
<td>Hamilton, ON</td>
<td>L8L 8K4</td>
<td>905-523-4498</td>
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<td>Plesel</td>
<td>Werner</td>
<td>Executive Director</td>
<td>Hamilton Waterfront Trust</td>
<td>47 Discovery Dr.</td>
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<td>L8L 8K4</td>
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<td>Stephenson</td>
<td>Sandra</td>
<td>Chair</td>
<td>Chair</td>
<td>Hamilton Community Foundation</td>
<td>120 King St. W., Suite 700</td>
<td>Hamilton, ON</td>
<td>L8P 4V2</td>
<td><a href="mailto:information@hcf.on.ca">information@hcf.on.ca</a></td>
</tr>
<tr>
<td>Ardelli</td>
<td>Terri</td>
<td>Ms.</td>
<td>Land Analyst, Urban Development</td>
<td>TransCanada Pipelines</td>
<td>450-1st Street S.W.</td>
<td>Calgary, AB</td>
<td>T2P 5H1</td>
<td>403-920-7370 Fax 403-920-2329 <a href="mailto:ter.ardelli@transcanada.com">ter.ardelli@transcanada.com</a></td>
</tr>
<tr>
<td>Blakey</td>
<td>John</td>
<td>Mr.</td>
<td>Senior Right-of-Way Agent</td>
<td>Enbridge Pipelines Inc.</td>
<td>601 Upper Canada Drive P.O. Box 128</td>
<td>Sarnia, ON</td>
<td>N7V 1A3</td>
<td>Fax 519-539-0507</td>
</tr>
<tr>
<td>Greco</td>
<td>Enzo</td>
<td>Mr.</td>
<td>Mapping Supervisor</td>
<td>Union Gas</td>
<td>Box 10, 360 Strathcona AVE. N.</td>
<td>Hamilton, ON</td>
<td>L8N 3A5</td>
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<tr>
<td>Harten</td>
<td>Ron</td>
<td>Mr.</td>
<td>General Manager, Hamilton Community Energy</td>
<td>Hamilton Utilities Corporation</td>
<td>79 Bay Street North</td>
<td>Hamilton, ON</td>
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<tr>
<td>Hayes</td>
<td>Janice</td>
<td>Ms.</td>
<td>Cogeco Cable Inc.</td>
<td>665 Lawrence Road</td>
<td>Hamilton, ON</td>
<td>L8K 6P2</td>
<td>905-689-1233</td>
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<tr>
<td>Oriolits</td>
<td>Jim</td>
<td>Mr.</td>
<td>Hydro One</td>
<td>483 Bay Street, North Tower 10th Floor</td>
<td>Toronto, ON</td>
<td>M5G 2P5</td>
<td><a href="mailto:jim.oriolits@hydroone.com">jim.oriolits@hydroone.com</a></td>
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<tr>
<td>Lamoureux</td>
<td>Dave</td>
<td>Mr.</td>
<td>Operations Manager</td>
<td>Union Gas</td>
<td>360 Strathcona Ave. N.</td>
<td>Hamilton, ON</td>
<td>L8N 3A5</td>
<td>905-548-3441 Fax 905-548-3441</td>
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<tr>
<td>Lane</td>
<td>Paul</td>
<td>Mr.</td>
<td>Sun Canadian Pipeline</td>
<td>830 Highway 6 North P.O. Box 470</td>
<td>Waterdown, ON</td>
<td>L0R 2H0</td>
<td>905-689-6641 x136 Email 905-689-6641 x136</td>
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<td>Linder</td>
<td>Stefan</td>
<td>Mr.</td>
<td>Manager, Public Works Design &amp; Construction</td>
<td>CN</td>
<td>4 Welding Way Administration Road</td>
<td>Vaughan, ON</td>
<td>L4K 1B9</td>
<td>905-660-3294 Email: <a href="mailto:Stefan.Linder@cn.ca">Stefan.Linder@cn.ca</a></td>
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<tr>
<td>Lukianow</td>
<td>David</td>
<td>Mr.</td>
<td>Manager - Public Works</td>
<td>Canadian Pacific Railway</td>
<td>1290 Central Parkway West, Suite 700</td>
<td>Mississauga, ON</td>
<td>L5C 4R3</td>
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<tr>
<td>MacTaggart</td>
<td>John</td>
<td>Mr.</td>
<td>CN Rail - Engineering &amp; Environmental Services</td>
<td>1 Administration Road, 1st Floor Box 1000</td>
<td>Concord, ON</td>
<td>L4K 1B9</td>
<td>905-318-4663 Email: <a href="mailto:John.Mactaggart@cn.ca">John.Mactaggart@cn.ca</a></td>
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<tr>
<td>Milano</td>
<td>Bruno</td>
<td>Mr.</td>
<td>Railway &amp; Design</td>
<td>1090 Upper Wellington St</td>
<td>Hamilton, ON</td>
<td>L9A 3S6</td>
<td>Work # 905-971-2762 Email 905-318-4663</td>
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<tr>
<td>Mitchell</td>
<td>Craig</td>
<td>Ms.</td>
<td>Land Agent - Eastern Pipeline Operations</td>
<td>Imperial Oil Products &amp; Chemical Division</td>
<td>100 - 5th Concession Rd E.</td>
<td>Waterdown, ON</td>
<td>L0R 2H1</td>
<td>1-866-242-6660 x242 <a href="mailto:Colette.mitchell@esso.com">Colette.mitchell@esso.com</a></td>
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<td>Newman</td>
<td>Ann</td>
<td>Ms.</td>
<td>Crossings Co-ordinator, Eastern Region</td>
<td>Enbridge Pipelines Inc.</td>
<td>801 Upper Canada Drive P.O. Box 128</td>
<td>Sarnia, ON</td>
<td>N7V 1A3</td>
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<td>Ontario Power Generation</td>
<td>SinMedan</td>
<td>Mr.</td>
<td>706 University Avenue</td>
<td>706 University Avenue</td>
<td>Toronto, ON</td>
<td>L8R 3M8</td>
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<td>Roberge</td>
<td>Daniel</td>
<td>Mr.</td>
<td>Manager of Capital Projects</td>
<td>Horizon Utilities Corporation</td>
<td>56 John St. N., 6th Floor</td>
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<td>Roth</td>
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<td>Bell Canada</td>
<td>20 Hunter St. W.</td>
<td>Hamilton, ON</td>
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<td>Walker</td>
<td>Aubie</td>
<td>Mr.</td>
<td>Cogeco Cable Inc - 950 Syden Road</td>
<td>P.O. Box 5076, Station Main</td>
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<td>L7R 4S6</td>
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<td>Winkley</td>
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<td>Mr.</td>
<td>Regional Director - Marketing</td>
<td>Southern Ontario Railway</td>
<td>241 Stuart St. W.</td>
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<td>Canadian National Railway</td>
<td>1 Administration Road Box 1000</td>
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<td>Wyatt</td>
<td>Eve</td>
<td>Ms.</td>
<td>Greater Toronto Transit Authority</td>
<td>20 Bay Street, Suite 600</td>
<td>Toronto, ON</td>
<td>M5J 2W3</td>
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</table>

**Other**

<p>| Runciman   | Mark       | Mr.   | Chief Executive Officer | Royal Botanical Gardens | 980 Plains Rd. West | Burlington, ON | L7T 4H4 | 905-527.1158 Website <a href="http://www.rb.g.ca">www.rb.g.ca</a> |                                |</p>
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<tr>
<td>Hamilton</td>
<td>Sir/Madam</td>
<td>Chief Executive Officer</td>
<td>Hamilton Chamber of Commerce</td>
<td>120 King St. West Suite 507, Plaza Level</td>
<td>Hamilton, ON</td>
<td>L8P 4V2</td>
<td>(905) 522-1151 x229</td>
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<tr>
<td>Adames</td>
<td>David</td>
<td>Manager - Planning &amp; Development</td>
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<td>20 Bay Street Suite 600</td>
<td>Toronto, ON</td>
<td>M5J 2W3</td>
<td>416-869-3600 x5478</td>
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<tr>
<td>Francoey</td>
<td>Dan</td>
<td>Stakeholder Relations</td>
<td>Metrolinx</td>
<td>20 Bay Street Suite 901</td>
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<td>M5J 2N6</td>
<td>416-869-3600 x5322</td>
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<td>Woo</td>
<td>Leslie</td>
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<tr>
<td>Bunn</td>
<td>Kara</td>
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<td>L8R 2K3</td>
<td>EXT. 2738</td>
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<tr>
<td>Selway</td>
<td>Sherry</td>
<td>Secretary</td>
<td>North End Neighbours</td>
<td>44 Mary Street</td>
<td>Hamilton, ON</td>
<td>L8R 2K3</td>
<td></td>
<td><a href="mailto:sherri.selway@gmail.com">sherri.selway@gmail.com</a></td>
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<tr>
<td>Selway</td>
<td>Shawn</td>
<td>North End Neighbours</td>
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<td>444 Mary Street</td>
<td>Hamilton, ON</td>
<td>L8L 6B4</td>
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<td>Snider</td>
<td>Judy</td>
<td>North End Neighbours</td>
<td>North End Neighbours</td>
<td>154 Ferrie Street East</td>
<td>Hamilton, ON</td>
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<td>Stephens</td>
<td>Dave</td>
<td>President</td>
<td>North End Neighbours</td>
<td>188 Simcoe Street East</td>
<td>Hamilton, ON</td>
<td>L8L 3P1</td>
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<tr>
<td>Liu</td>
<td>Amy</td>
<td>Project Manager</td>
<td>Canadian Environmental Assessment Agency</td>
<td>55 St. Clair Ave E. Room 907</td>
<td>Toronto, ON</td>
<td>M4T 1M2</td>
<td></td>
<td>happydave@<a href="mailto:stephens@gmail.com">stephens@gmail.com</a></td>
</tr>
</tbody>
</table>
Thanks Not sure we have anything to do with the pumping station. Our sewage is pumped upto the city sewer directly from our building?

On Mon, Nov 25, 2013 at 3:38 PM, Lloyd, Trish <Trish.Lloyd@hamilton.ca> wrote:

SENT ON BEHALF OF DIANA MORREALE

Please find attached the notice regarding the Stakeholder Meeting for the West Harbour Pumping Station(s) and Forcemain Environmental Assessment (Piers 5-8) to be held on Monday, December 9th at 5:30 pm at the Hamilton Waterfront Trust Offices, 47 Discovery Drive, 2nd Floor Board Room.

If you have any questions or concerns, please contact Diana Morreale at 905-546-2424, Ext. 4101 or by email at Diana.Morreale@hamilton.ca.

Thank you,
Hi Diana, sorry for not sending this to you until now,

Notes to File from Sun-Canadian Pipe Line at Jan. 6, 2014 West Harbour Pumping Station Facilities EA.

Sun-Canadian pipeline alignment shown on our existing infrastructure figure(s) do not accurately represent the pipeline location in all areas. Overall the alignments shown are generally correct, but near the proposed pipeline / forcemain crossing locations the Sun-Canadian pipeline locations will need to be confirmed.

Paul Lane from Sun-Canadian was informed that during preliminary design, Sun-Canadian would be contacted to discuss the proposed pipeline crossings to confirm the alignment which would include survey's/locates.
Hi Mark,

Thanks for the e-mail. Things are going well here at the City, it's a busy time of year.

The work we are completing for Piers 5 to 8 includes assessing the existing and future sewage servicing needs of Piers 5 to 8, in particular Pier 8.

Currently the existing pumping station located on Pier 8 has operational deficiencies which include:

* No standby power generator to provide a backup power source in the event of power failure; and,
* Inadequate capacity to manage existing development sewage flows and/or service future development.

Part of the background work looked at the existing sewage infrastructure located in the study area. The Leander Boat Club was noted to have an existing gravity sewer connection to the municipal sewer system and no changes to this sewer connection is being recommended in the pumping facilities EA study preferred solution.

The conclusion/recommendation of the sewage servicing environmental assessment work is that the City of Hamilton construct a new pumping station on Pier 8 and allow for a gravity sewer connection from Piers 5/6 and 7 (this does not include Leander Boat Club since you are already connected to the municipal sewer). Please note that if the gravity sewer connection from Piers 5/6 is not feasible, the City recommends that we replace an existing pumping station on Pier 6 or construct a new pumping station to connect to the Guise Street sewer when required capacity is available (this also would not impact Leander).

Please let me know if you have any additional questions or concerns.

Take care and see you soon,
Diana

-----Original Message-----

I hope you are well. It was nice to see you at Christmas.

I am writing to ask about a recent sewage meeting the city had re pier 8.
Recently Leander Boat Club spent a considerable amount of money to repair our sewer lines. Our committee of management is concerned that this Pier 8 project may affect the club facilities. We currently rent out our banquet hall and we want to make sure there is no impact to our tenants either.
Thank you for your follow up e-mail. For clarity purposes, I have highlighted your comments in bold and the City's response in italics. Please feel free to contact me if you have any additional questions.

The documents I was able to see on the city website do not show any flow demand calculations, and thus do not show what future developments on piers 5 to 8 were assumed in terms of calculating demand. Those assumptions are very important and will be of great interest to residents of the North End.

City Response:
The EA study recommends a preferred solution to address the problem statement which notes that the City of Hamilton is currently reviewing wastewater infrastructure needs at the West Harbour on Piers 5 to 8 to support both existing and future growth needs of the area (completes Phase 1 and 2 of the EA process). One existing municipally maintained pumping station is located on Pier 8 and has operational deficiencies which include:

- No standby power generator to provide a backup power source in the event of power failure
- Inadequate capacity to manage existing development sewage flows and/or service future development.

To address this need the Class EA study reviewed and compared alternative solutions, in accordance with the Municipal Class Environmental Assessment Guideline. A preferred solution has been recommended that addresses the immediate need of inadequate capacity to manage existing sanitary flows on Pier 8 and deficiencies with the existing pumping station. Sizing of the preferred solution (i.e. new pumping station and associated infrastructure) will be determined during the detailed design stage and will consider both future and existing needs. As such only conceptual servicing infrastructure alignments are being included in the preferred solution. At a high level the preferred pumping facilities and forcemain solution considered a development scenario which included 1600 residential units and approx. 22,000 sq. metres of commercial or institutional floor area. This development scenario was only to provide guidance.

The other aspect I was unable to find was any indication as to how the proposed layout would or would not synchronize with future developments in terms of location. Putting pipes in the ground has a tendency to structure future development.

City Response:
The alignment and location of the preferred solution infrastructure on Pier 8 and existing roads was selected as it was compatible with the existing roads, future roads and future park layout proposed in Setting Sail. Input has been received from various City staff with respect to the proposed infrastructure locations associated with this Class EA. The proposed infrastructure on Piers 5, 6 and 7 was compatible with both the West Harbour Waterfront Recreation Master Plan and Setting Sail. A refinement of these alignments would be completed as part of the detailed design stage. The preferred alternative provides a solution that has flexibility to address future development needs.
As you know, Setting Sail contemplates a design study for the future residential development on Piers 7 and 8. I was unable to see how that design study would not be severely hampered by location decisions at this stage. In other words, where do I find the rationale for proceeding with this work in advance of the Setting Sail mandated design study of the future development?

City Response:
The urban design study will be based on Setting Sail as is this pumping facilities EA study. The rationale for proceeding at this time is to propose a solution to address existing needs now and also future needs. Not developing a solution at this time will not address existing pumping facility infrastructure deficiencies and upgraded capacity needs.

Please feel free to contact me at any time if you have any further questions. Take care, and have a great day,

Diana

-----Original Message-----

Sent: January-21-14 5:41 PM
To: Morreale, Diana

Subject: Re: Pier 5 - 8 Sewage Pumping Facilities

Thank Diana.

The documents I was able to see on the city website do not show any flow demand calculations, and thus do not show what future developments on piers 5 to 8 were assumed in terms of calculating demand. Those assumptions are very important and will be of great interest to residents of the North End.

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As you know, Setting Sail contemplates a design study for the future residential development on Piers 7 and 8. I was unable to see how that design study would not be severely hampered by location decisions at this stage. In other words, where do I find the rationale for proceeding with this work in advance of the Setting Sail mandated design study of the future development.

Thank you for your assistance on this. Given the speed with which this project is moving, your early response would be very much appreciated.

----- Original message ----- 
From: "Morreale, Diana" <Diana.Morreale@hamilton.ca>

Subject: Pier 5 - 8 Sewage Pumping Facilities
Date: Mon, 20 Jan 2014 11:52:22 -0500

Good Morning
My apologies in my delay in responding to your e-mail on the "Piers 5 to 8 Pumping facilities Class EA". The City of Hamilton is currently reviewing wastewater infrastructure needs at the West Harbour (Piers 5 - 8) to support both existing and future growth needs of the area. The existing pumping station located on Pier 8 has operational deficiencies which include:

- No standby power generator to provide a backup power source in the event of power failure; and,
- Inadequate capacity to manage existing development sewage flows and / or service future development.

In addition to the sanitary sewage servicing needs on Pier 8, the City is also reviewing sanitary infrastructure needs on Piers 5 to 7 which may require new sewage pumping infrastructure to service existing and future development needs.

The project is following the Class Environmental Assessment process. The alternative solutions and preferred alternative solution that were developed were based on input from a number of sources (i.e. archeology, natural environment, etc). The preferred solution recommends a new pumping station for Pier 8. The new pumping station is intended to service existing development on Pier 8 as well as future Pier 8 land uses that were included in the OMB approval for Setting Sail.

Below is a link to our website that has the all of the project information to date.

http://www.hamilton.ca/CityDepartments/PlanningEcDev/Divisions/GrowthManagement/Infrastructure+Planning/Environmental+Assessments/Piers58PumpingStationUpgrades.htm

If you have any additional questions please feel free to contact me at any time. Once again sorry for the delay.

Diana Morreale

-----Original Message-----
From: 
Sent: December-29-13 8:44 PM
To: Morreale, Diana

Subject: Pier 5 - 8 Sewage Pumping Facilities

Hello Ms. Morreale:

As you know I represented North End Neighbours in the recent OMB hearing regarding Setting Sail. The plan, as approved, calls for significant new housing on Pier 8. Your notice in the Spectator indicates that decisions are being made in regard to servicing Pier 8.

Would you please advise me of the land use patterns employed by the City in developing the concept of a new pumping station for Pier 8 and the extent to which the concept is consistent with the new housing contemplated by Setting Sail.

Thank you.
Thank you for your e-mail. Please note the project team has added you to our mailing list and will ensure all future communications/notifications for Piers 5 and 8 Pumping Station Environmental Assessment (EA) study are sent via e-mail.

Dillon Consulting Limited is part of the EA Project Team and for this study and has been retained directly by the Hamilton Waterfront Trust but is on the following related City of Hamilton ROSTERS:

- Municipal Engineer (Roster 1)
- Terrestrial and Avian Ecology and Fisheries Biology (Roster 21)
- Environmental Planning Process (Roster 7)
- Public Consultation and Facilitation (Roster 23)
- Land Use Planning and Urban Design (Roster 25)

Doug Onishi is the lead Project Manager from Dillon. For your contact information I have included him on this e-mail.

If you have any additional questions please feel free to contact me.

Take Care,
Diana
Thank you for your email dated September 26th, 2013 and your interest in our Class Environmental Assessment for Piers 5 to 8 pumping station facilities.

The sanitary sewage from the existing development on Piers 5 to 8 is pumped from a number of pumping facilities or drain by gravity sewer connection to the existing sewer system. The flows from this sewer system are treated at the Woodward Wastewater Treatment Plant (WWTP) and treated effluent is discharged to Hamilton Harbour via an outfall on the Red Hill Creek.

The West Harbour area is predominantly serviced by combined sewers: during storm events or snowmelt rain/snowmelt is conveyed along with sanitary sewage via a single pipe. To reduce the risk of basement flooding and guard against peak flows at the WWTP a portion of the flows may be diverted to combined sewer overflow (CSO) tanks at Bayfront/Strachan, James St/Guise or Eastwood Park where the flows are stored and, following a storm, subsequently pumped/drained back into the system and conveyed to the WWTP for treatment. During significant events where tank capacity is exceeded or at locations where there are no tanks combined sewage may be discharged directly to the harbour.

The City has made significant progress in addressing CSO and pollutant loadings to receiving waters via sewer collection system upgrades and a planned upgrade in treatment process at the Woodward WWTP. Recently (2012), the City designed and built/rehabilitated a number of Real Time Control (RTC) facilities in the North End which take advantage of spare capacity that may exist in the pipes during portions of a wet weather event and capture and convey a large portion of CSO which was previously discharged to the harbour. You can read more about this project at:

http://www.uimonline.com/index/webapp-stories-action?id=268

If you have any further questions regarding CSO tanks or our sewer collection system please contact Chris Gainham at 9075-546-2424 x 3421.

If you have any additional questions regarding the environmental assessment project being completed for the pumping station facilities (Piers 5-8), please feel free to contact me at any time.

Best Regards,

Diana Morreale

Diana Morreale, MCIP, RPP  PED - Senior Project Manager, Growth Management Division
City of Hamilton | 905.546.2424 x 4101 | Diana.Morreale@hamilton.ca
Ms Morreale:

Good morning. I hope this finds you well.

...my family and I live in the neighbourhood of Centremount, north of Fennell Avenue, east of Upper James Street. I read, on the City of Hamilton's website, of the proposed rehabilitation or re-construction of the city's sewage pumping facilities and am wondering if you could tell me how the sewage is treated at this point in time and precisely where the sewage is being pumped after its treatment. Is the sewage stored in containers, as in a septic tank system, or is it returned to the nearest body of water?

Thank you for your clarification in this matter and your time and attention in this regard.
Hello Diana, Many thanks for your response. You obviously spent a lot of time on this and I appreciate that.

I will go over the information, and it will be discussed at our neighbourhood association meeting. If I have more questions, will get back to the people you suggested.

Again, thank you.

On Tue, Oct 1, 2013 at 1:21 PM, Morreale, Diana <Diana.Morreale@hamilton.ca> wrote:

Hi Sheri,

Sorry for the delay. I am the Project Manager for the Environmental Assessment work we are completing on Pumping Station (piers 5-8) and most of these questions were related to other projects, so it took me a little longer to gather all the information. Thank you for your e-mail dated Friday September 13, 2013. Below I have compiled answers (or contact names) from various staff and have included their contact information if you have any additional follow up questions. Please note, any follow up questions pertaining to Piers 5-8 Pumping Facilities can be sent to me directly.

1. Where are we with the Waterfront Masterplan? As far as I can tell from my search of the City website, the Waterfront Master Plan is dated April 2010, and is RECEIVED by council, not "adopted/approved"? If adopted is not the correct term, what is the next step after being "received"?

RESPONSE: At a May 10, 2010 Committee of the Whole meeting, staff presented the "Hamilton West Harbour Waterfront Recreation Master Plan" to Council. Council endorsed the staff report recommendations and received the West Harbour Waterfront Recreation Master Plan. The next step is to bring forward the Official Plan Amendment and Zoning By-law Amendment to implement the Waterfront Recreation Master Plan. (Contact Michelle Sergi 905-546-2424 ext. 1281)

2. Please explain the difference between received and adopted/approved. What is the next step(s) for the Waterfront MP?

RESPONSE: There will be a Statutory Public Meeting in the future (no date has been set) to bring forward the Official Plan Amendment and Zoning By-law Amendment to implement the Waterfront Recreation Master Plan. (Contact Michelle Sergi 905-546-2424 ext. 1281)

My(our) concerns are specifically on Bayview Park. In the "planning law" how can Bayview Park be in more than one plan? (Setting Sail and HWHRMP?) Is this contrary to the Urban Official Plan?
Right now it is in the Setting Sail Secondary Plan under section A.6.3.7 as a “stable area” in the public realm. “The city shall develop a master plan to improve its amenities... It is also in the Waterfront Master Plan. At a glance one may not think that would be an issue, except that there is/will be a significant impact on the neighbourhood on the in the Waterfront Master Plan – a 400 car parking garage.

**RESPONSE:** The West Harbour Waterfront Recreation Master Plan is being brought forward as an Official Plan Amendment to the Setting Sail Secondary Plan. *(Contact Michelle Sergi 905-546-2424 ext. 1281)*

3. a) Does the Waterfront MP call or imply widening of MacNab Street to accommodate the parking lot entrance and exit?

*Please contact (Contact Steve Molloy 905-546-2424 ext. 2975)*

3b) Would MacNab become 2 way at this time?

*Please contact (Contact Steve Molloy 905-546-2424 ext. 2975)*

3c) What is the data to justify the statement that it is “an underperforming park” (Waterfront MP)?

*Please contact Lawrence Stasiuk (Contact Lawrence Stasiuk 905-546-2424 ext. 2292)*

3d) Is Bayview Park excluded from Setting Sail? If so, when and how?

**RESPONSE:** Bayview Park is designated as Open Space in the Setting Sail Secondary Plan. *(Contact Michelle Sergi 905-546-2424 ext. 1281)*

4. What is the result of the RFP responses from developers in the spring re: Piers 7 & 8?

**RESPONSE:** The City of Hamilton has not engaged in any formal RFP process to the development industry for the city-owned lands within the Piers 7-8 area. The City is aware that the Hamilton Waterfront Trust engaged in a formal RFP process for potential development opportunities within the Pier 8 lands they lease from Parks Canada.

City staff would be required to obtain Council approval prior to any issuance of an RFP for the city-owned lands on Piers 7-8. Staff will ensure that the NEN are kept abreast of the timeframes and processes involved prior to any report being presented to Council for the issuance of an RFP for these lands. *(Contact: Chris Phillips 905-546-2424 ext. 5304)*

5. What are the City’s timelines for Piers 7 & 8? I am aware of the MOU for Piers 7&8, April 17, 2013. Does all this go through some kind of planning process? Environmental assessment? Etc.

City Council approved an MOU with the Hamilton Port Authority in April 2013, which formally transfers the Pier 7 & 8 lands to the City of Hamilton. Since the year 2000, these lands have been owned by the City of Hamilton, however through 2-separate agreements, these lands were leased back to the Hamilton Port Authority until 2015 for the Pier 7 lands, and 2025 for the lands on Pier 8.

This MOU will allow for a partial termination of these leases as of 2013, and as such, allow the City of Hamilton full control over these lands today, without waiting for the leases to expire in 2025. This MOU will
be formally executed upon the acceptance of both parties of a formal Marina Management Agreement between the City of Hamilton and the Hamilton Port Authority. This Agreement is expected to be considered by City Council sometime in late 2013.

Neither the MOU or the formal termination of the leases with the Hamilton Port Authority require any Planning or Environmental Assessment process. The MOU was approved by General Issues Committee and City Council in April 2013. The formal Marina Management Agreement will also be presented to General Issues Committee and require formal City Council approval, as per Council direction from April 2013. (Contact: Chris Phillips 905-546-2424 ext. 5304)

In addition, please inform me of any further public meetings regarding:

1. the Waterfront MP

2. development of Piers (5, 6, )7& 8.

At present, there are no specific public meetings and/or timeframes in-place for the proposed development of the Piers 7&8 lands. As mentioned above, the City staff will be presenting General Issues Committee with a report respecting the formal Marina Management Agreement with the Hamilton Port Authority. This report is expected to be presented sometime by the end of 2013.

With this said, staff will certainly commit to ensuring the NEN is kept abreast of the actions and timelines relating to the Piers 7&8 lands, as well, will ensure we communicate all information for Public Meetings as they become available. (Contact: Chris Phillips 905-546-2424 ext. 5304)

Diana Morreale, MCIP, RPP I PED - Senior Project Manager, Growth Management Division

City of Hamilton I 905.546.2424 x 4101 I Diana.Morreale@hamilton.ca
Hello Diana, I sent the email below on September 3 to the planning department, but did not have a name. It was sent to the email address on the City website on the Waterfront plan.

However, no one has replied. I understand planners are busy. I am able to come in and meet with you if you prefer.

The Waterfront Plan and specifically Bayview Park are big areas of concern for our neighbourhoods.

We plan to attend the September 23 meeting on the sewage pumping facilities. Please inform me of any further information and place me on the study's mailing list.

In addition please inform me of any developments in regards to the Waterfront Master Plan.
Thank you for your e-mail and interest on our Class Environmental Assessment for Piers 5 to 8 Pumping station facilities. The meeting notices were posted in the Hamilton Spectator on Friday September 13th, 2013 and Tuesday September 20th, 2013. It's unfortunate that you missed the first Public Information Centre (PIC). However, that does not mean you cannot comment on the information that was displayed at the PIC. The information that was provided at the September 23rd, 2013 PIC) can be found on our website. The direct link to the project is below:

http://www.hamilton.ca/CityDepartments/PlanningEcDev/Divisions/GrowthManagement/Infrastructure+Planning/Environmental+Assessments/Piers5&8PumpingStationUpgrades.htm

If you have any questions or comments on the information presented at the PIC, please feel free to contact me.

If you would like to be kept informed on our next PIC we can add you to our mailing list. Please e-mail me your contact information when you get a chance.

Thank you and looking forward to meeting you at our next meeting.

Take Care,
Diana Morreale