



SOUTH QUARRY EXTENSION

Public Meeting

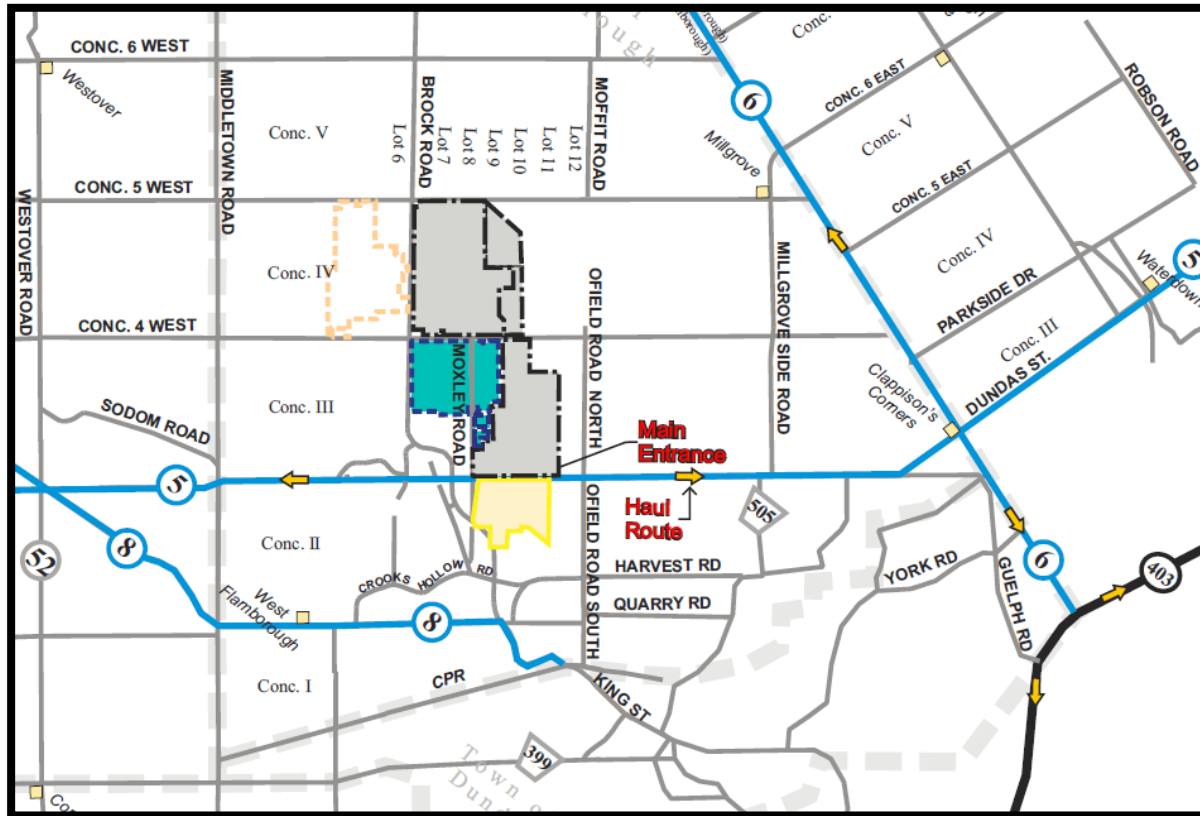
Official Plan Amendment

Zoning By-law Amendment

November 14, 2017

Brian Zeman, BES, MCIP, RPP

Location



Part Lots 7, 8 and 9 and 10
Concession 3, Flamborough

Proposed Licensed Area:
127.1 ha

Proposed Extraction Area:
107.4 ha

Extraction is a long standing
and established use in the
area

LEGEND



Proposed Dundas South Quarry
Extension



Existing Lafarge Dundas Quarry
Processing Area

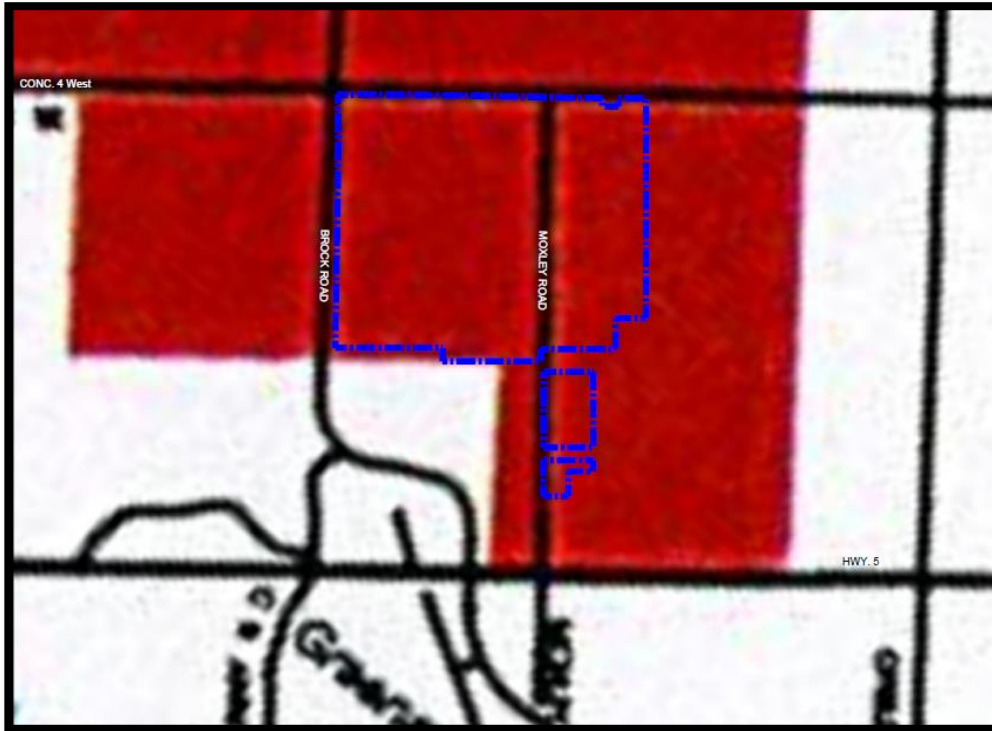


Existing Lafarge Dundas
Quarries



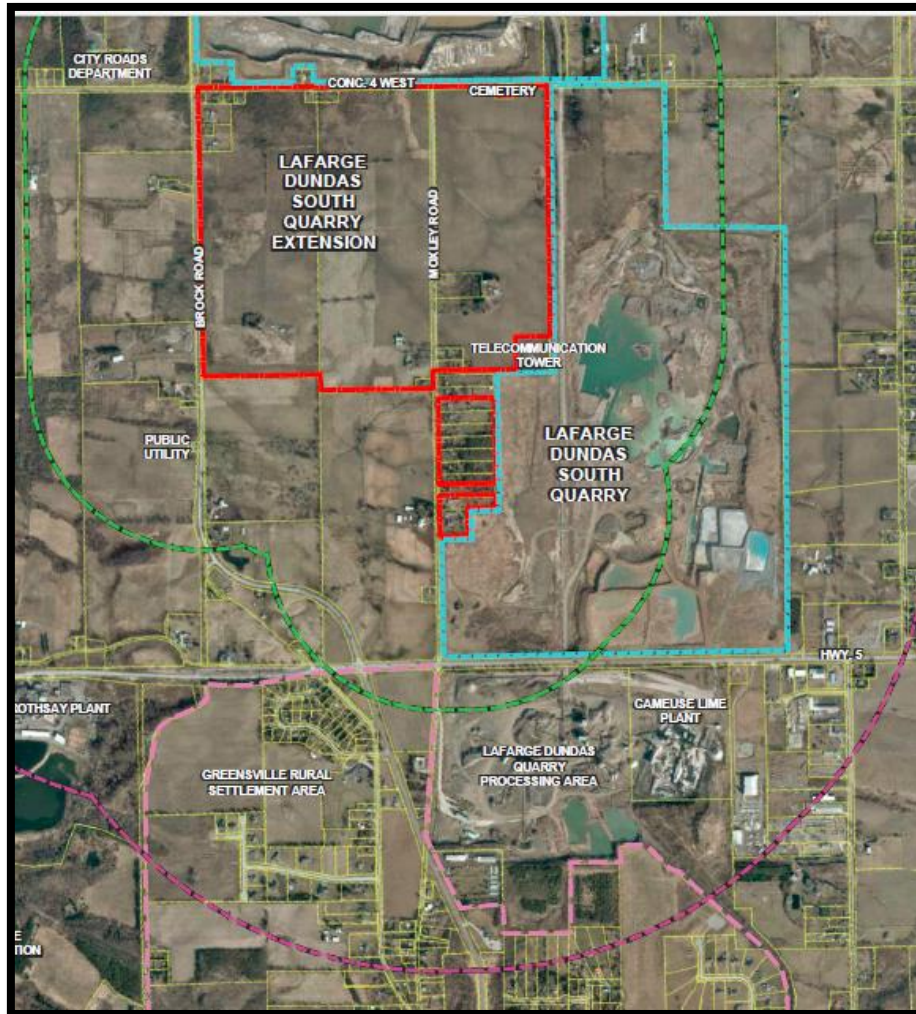
Existing Dufferin Aggregates
Flamboro Quarry

South Quarry Extension is Located Where the City of Hamilton Protects Areas for Future Mineral Aggregate Operations



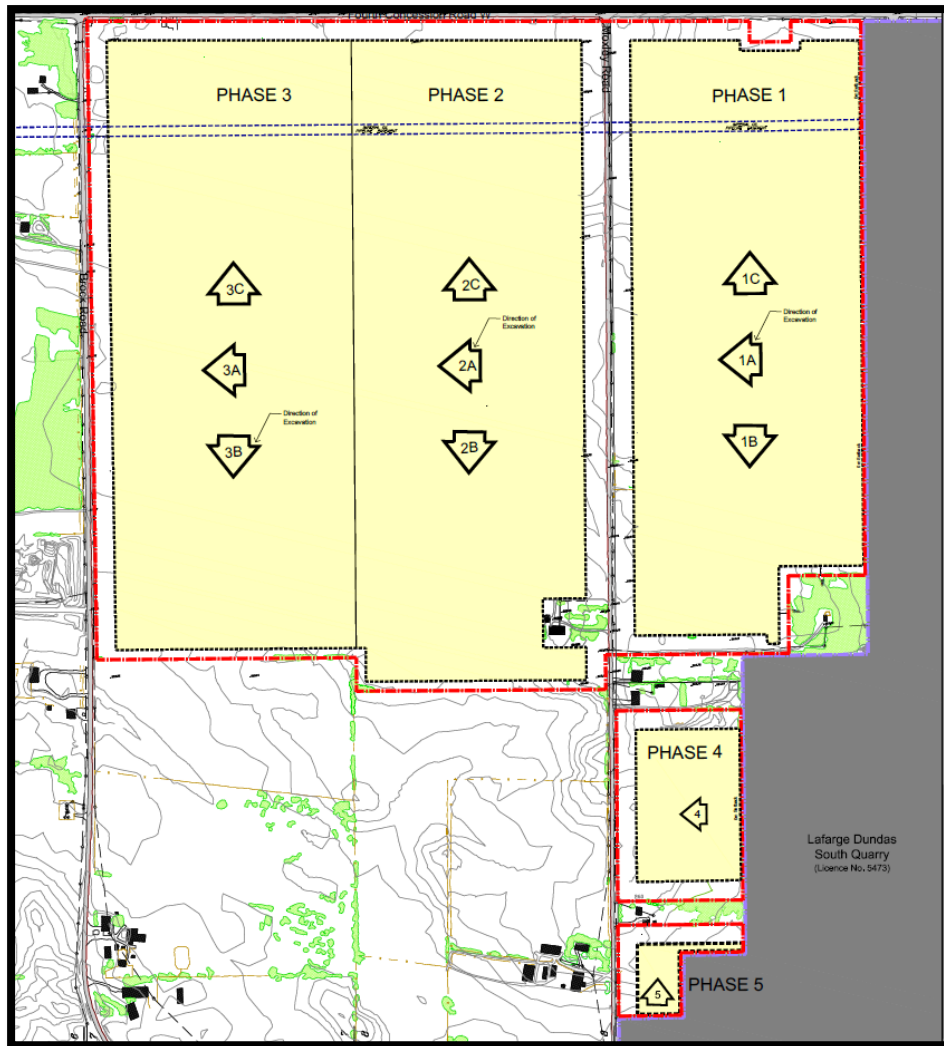
- Site is identified as Mineral Aggregate Resource Area in the City of Hamilton Official Plan.

Proposed South Quarry Extension



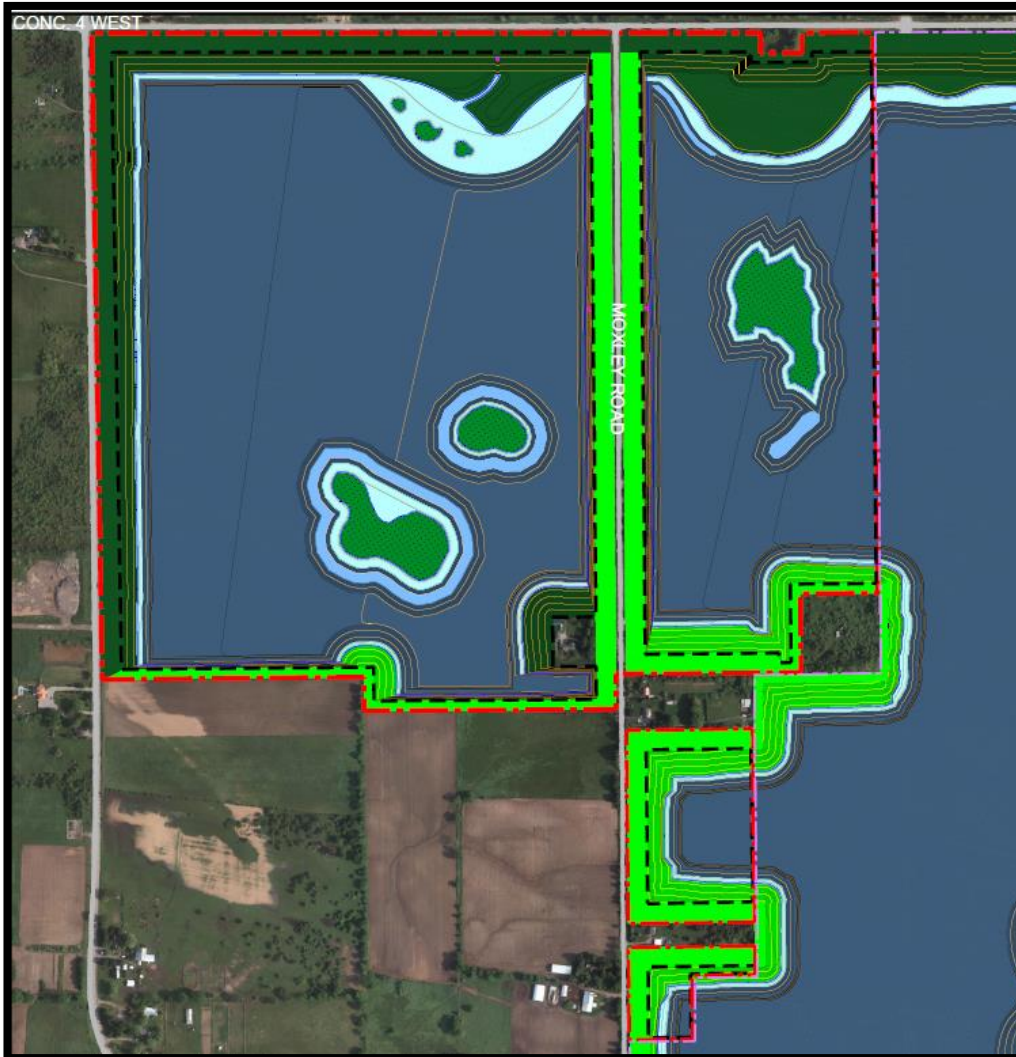
- Logical Extension of the existing Dundas Quarry
- Site contains 64 million tonnes of high quality aggregate
- Important source of metallurgical stone for the local steel industry
- Important source of construction aggregate for the Greater Toronto & Hamilton Area

Proposed Operations



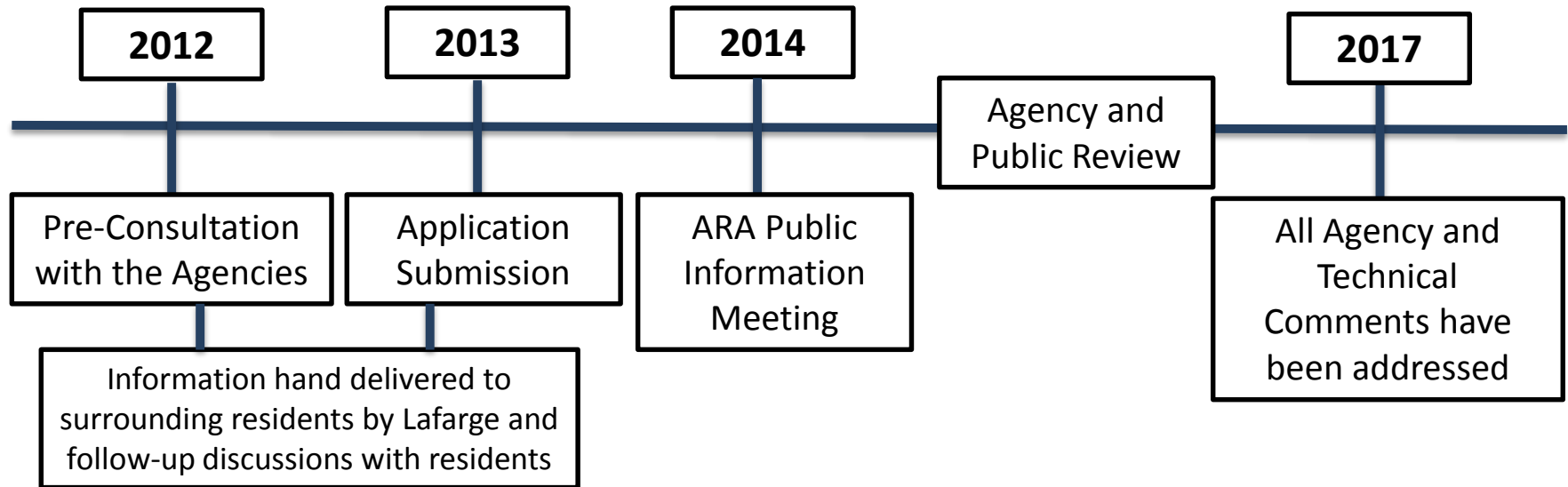
- Operation will occur in 5 phases to minimize site disturbance and maximize progressive rehabilitation
- There will be no processing on-site
- No new entrance/ exit or haul routes
- Utilizes the processing area in the existing quarry and the existing entrance/ exit and haul route at Highway 5

Rehabilitation Plan



- Rehabilitation will be integrated with the proposed Dundas Quarry Rehabilitation Plan
- The Extension includes:
 - 80 ha of Lakes
 - 7 ha of Wetlands
 - 4 ha of Grasslands
 - 18 ha of Woodlands
 - 18 ha of Vegetated Area
- The Rehabilitation Plan increases biodiversity and results in a net environmental gain

Comprehensive Agency and Public Review of the Application



The Aggregate Resources Act (ARA) application process has concluded and there are no public objectors to the application.

The Site has Been Thoroughly Studied

- ✓ Water Resources Report, Golder Associates
- ✓ Natural Environment Report, Golder Associates
- ✓ Noise Impact Assessment, HGC Engineering
- ✓ Traffic Study, Paradigm Transportation
- ✓ Air Quality Study, BCX Environmental
- ✓ Blasting Impact Assessment, Golder Associates
- ✓ Archaeological Assessment, Golder Associates
- ✓ Cultural Heritage Impact Assessment, MHBC Planning
- ✓ Planning Justification Report, MHBC Planning
- ✓ ARA Site Plans, MHBC Planning



Agency Review

- Lafarge has worked with the agencies to make modifications to the application and there are no outstanding comments:
 - City of Hamilton Staff
 - City of Hamilton ESAIEG
 - City of Hamilton Peer Reviewers (Water Resources, Noise, Blasting and Air Quality)
 - City of Hamilton CART Process
 - Hamilton Conservation Authority
 - Ministry of Natural Resources and Forestry
 - Ministry of Tourism, Culture and Sport
 - Ministry of Transportation
 - Ministry of the Environment and Climate Change
 - Ministry of Agriculture, Food and Rural Affairs
 - Ministry of Municipal Affairs



Highlights of the Application

- The agencies are satisfied that comments related to natural heritage, water resources, agriculture, cultural heritage, traffic and surrounding residents have been addressed.
- To protect surrounding residents the South Quarry Extension includes:
 - Phased Operations;
 - Acoustic and visual berms surrounding the site;
 - Comprehensive Groundwater Monitoring Program and requirement for an Annual Monitoring Report;
 - Domestic well survey;
 - Detailed response/ action plan if a well complaint is received;
 - Blast monitoring;
 - Acoustic noise audit;
 - A detailed best management plan for mitigation of dust;
 - Restrictions on the amount of equipment permitted on-site; and
 - Utilizes existing processing area and haul routes.



Economic Benefits

- If the Official Plan and Zoning By-law Amendments are approved the proposed South Quarry Extension will result in significant economic benefits:

Total Economic Activity

- ❑ **\$1.2 billion**
 - Total value of goods and services resulting from the direct, indirect and induced impacts of the extension

Jobs

- ❑ **1,500 person-years at the quarry**
 - Two-thirds local
- ❑ **5,000 person-years in total**
 - Including spin-offs
 - More than half local

City of Hamilton Revenues

- ❑ **\$13.3 million total**
 - \$8.5 million property taxes
 - \$4.8 million aggregate license fees
- ❑ **\$11 million net financial benefit**

Resource Availability

- ❑ **64 million tonnes of stone**
 - Needed for construction (including City of Hamilton's own building programs), steel production and other manufactured goods
 - Represents about two-thirds of total aggregate production in Hamilton



Questions