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MUNICIPALITY OF CHATHAM-KENT

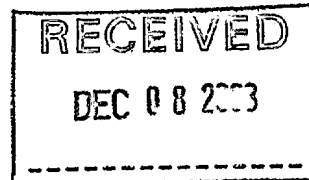
315 KING STREET WEST • P.O. Box 640 • CHATHAM, ONTARIO • N7M 5K8

COMMUNITY AND DEVELOPMENT SERVICES PLANNING SERVICES

TELEPHONE: (519) 360-1998 FAX: (519) 436-3250

Chatham-Kent: Celebrating 10 years as a Community of Communities

December 3, 2008



Ontario Heritage Trust
10 Adelaide Street East
TORONTO ON M5C 1J3

Re: Registration of Heritage By-law 268-2008
Myers Dash Wheel Property
Parts 1 and 2, Reg. Plan 24R-3551
Intersection of Townline Road and Bradley Line, Community of Dover

Attached is a certified copy of By-law 268-2008, that was registered as
Instrument No. 0663172 on December 1, 2008 for the above-noted property.

Sincerely,

Charlie Toman
Development Planner

CT:kc
Attachment

c Municipal Heritage Committee

Heritage\Letters\Ont Heri Reg Bylaw 268-2008 Dover Dec 3-08.ltr

<p style="text-align: center; font-size: 1.2em;">0663172</p> <p style="text-align: center; font-size: 0.8em;">CERTIFICATE OF REGISTRATION CERTIFICAT D'ENREGISTREMENT KENT (CHATHAM-KENT)</p> <p style="text-align: center; font-size: 0.8em;">2008 DEC 1 PM 12 10</p> <p style="text-align: center; font-size: 0.8em;">LAND REGISTRAR / REGISTRATEUR</p> <p style="text-align: center; font-size: 0.8em;">New Property Identifiers</p> <p style="text-align: right; font-size: 0.8em;">Additional: See Schedule <input type="checkbox"/></p> <p style="text-align: center; font-size: 0.8em;">Executions</p> <p style="text-align: right; font-size: 0.8em;">Additional: See Schedule <input type="checkbox"/></p>	<p>(1) Registry <input checked="" type="checkbox"/> Land Titles <input type="checkbox"/></p>	<p>(2) Page 1 of 6 pages</p>	
	<p>(3) Property Identifier(s) 00776-0003(R)</p>	<p>Block Property</p>	<p>Additional: See Schedule <input type="checkbox"/></p>
	<p>(4) Nature of Document BY-LAW</p>		
	<p>(5) Consideration ONE xx Dollars \$ 1.00</p>		
	<p>(6) Description Part of Lot 1, Concession 2, Designated as Parts 1 and 2 on Reference Plan 24R-3551 formerly in the Township of Dover, now in The Municipality of Chatham-Kent</p>		
	<p>(7) This Document Contains</p>	<p>(a) Redescription New Easement Plan/Sketch <input type="checkbox"/></p>	<p>(b) Schedule for: Description <input checked="" type="checkbox"/> Additional Parties <input type="checkbox"/> Other <input checked="" type="checkbox"/></p>

(8) This Document provides as follows:

See By-Law 268-2008 Attached.

Continued on Schedule ☒

(9) This Document relates to instrument number(s)

(10) Party(ies) (Set out Status or Interest)	Date of Signature Y M D
<p>Name(s) THE CORPORATION OF THE MUNICIPALITY OF CHATHAM-KENT by its Solicitor, Steve Matheson, B.A., LL.B.</p>	<p>Signature(s) Steve Matheson, B.A., LL.B. Director, Legal Services</p>
	<p>2008 11 10</p>

(11) Address for Service **P.O.Box 640, 315 King Street West, CHATHAM, Ontario, N7M 5K8**

(12) Party(ies) (Set out Status or Interest)	Date of Signature Y M D
<p>Name(s)</p>	<p>Signature(s)</p>

(13) Address for Service

<p>(14) Municipal Address of Property Bradley Line</p>	<p>(15) Document Prepared by: Steve Matheson, B.A., LL.B. Director, Legal Services The Corporation of the Municipality of Chatham-Kent, 315 King Street West P.O.Box 640, CHATHAM, Ontario, N7M 5K8 (519) 360-1998</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="2" style="text-align: center;">Fees and Tax</th> </tr> <tr> <td style="width:50%;">Registration Fee</td> <td style="width:50%; text-align: center;">60 -</td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td>Total</td> <td> </td> </tr> </table>	Fees and Tax		Registration Fee	60 -							Total	
Fees and Tax														
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BY-LAW NUMBER 268-2008

OF THE CORPORATION OF THE MUNICIPALITY OF CHATHAM-KENT

A By-law to designate the property legally described as **Parts 1 and 2 of Registered Plan 24R3551, Community of Dover**, as being of historical and architectural value or interest.

PASSED the 27th day of October, 2008

WHEREAS the Ontario Heritage Act, R.S.O. 1990, Chapter 0.18 as amended, provides that the Council of the Municipality of Chatham-Kent may designate a property within the boundaries of the Municipality to be of cultural heritage value or interest;

AND WHEREAS Council of the Corporation of the Municipality of Chatham-Kent has appointed the Heritage Chatham-Kent Advisory Committee and the said committee has recommended that the Municipality designate the hereinafter described property pursuant to The Ontario Heritage Act;

AND WHEREAS Council of the Corporation of the Municipality of Chatham-Kent has given Notice of Intention to Designate the hereinafter described property to be of cultural heritage value and interest pursuant to The Ontario Heritage Act;

AND WHEREAS no Notice of Objection to the proposed designation has been received by the Corporation of the Municipality of Chatham-Kent;

AND WHEREAS the reasons for designation are set out in Schedule "A" annexed hereto;

NOW THEREFORE the Municipality of Chatham-Kent enacts as follows:

1. That the property legally described Parts 1 and 2 of Registered Plan 24R3551, Community of Dover, and more particularly described in the attached Schedule "B" be designated to be of cultural heritage value and interest pursuant to The Ontario Heritage Act.
2. The Clerk be authorized to register the by-law against the property described in Schedule "A" hereto in the proper Land Registry Office.
3. The Clerk be directed to cause a copy of this by-law to be served on the owner of the aforesaid property and on the Ontario Heritage Foundation and cause notice of the passing of this by-law to be published in a newspaper having general circulation in the municipality.

THIS By-law shall come into full force and effect upon the final passing thereof.

READ A FIRST, SECOND AND THIRD TIME this 27th day of October, 2008.

I hereby certify this to be a true copy of By-law
Number 268-2008 passed by Municipality of
Chatham-Kent Council at its' meeting
Held on October 27, 2008.
And the same is now in full force and effect.

Elinor Mifflin
Elinor Mifflin, Clerk
The Corporation of the Municipality of
Chatham-Kent

Bandy R. Hope
Mayor - Bandy R. Hope

Elinor Mifflin
Clerk - Elinor Mifflin

SCHEDULE "A"

REASONS FOR DESIGNATION

Myers Dash Wheel Property

Description of Property

The Myers Dash Wheel is located on the Townline Road and Bradley Line/Concession 5 legally described as Part Lot 1 and 2, RP 24R3551 in the Community of Dover in the Municipality of Chatham-Kent. The property consists of a metal clad frame structure housing a large wood and steel vertically positioned dash wheel mounted on concrete mounts and suspended in a concrete wheel pit.

Statement of Cultural Heritage Value or Interest

Historical/Associative (OHA Reg 9/06):

Chatham-Kent geography represents one of the largest land reclamation successes in Canada. The relatively flat landscape, dense clay soil, and the fact that the drainage flow, even along the high cliffs on the Lake Erie shoreline, is towards the Thames River and Lake St. Clair, has created a drainage problem that has historically been a major obstacle for agricultural development. Through most of the 19th century, large areas of Harwich, Raleigh, Tilbury East, Dover, and Chatham Townships, despite having some of the richest soil in Ontario, were un-inhabitable due to their swampy nature (that was also a breeding ground for malaria carrying mosquitoes) and tendency for flooding. The drainage of this land was a particular challenge as much of the affected area lies below lake level. Beginning in the late 19th century, an elaborate system of drainage began to be created utilizing, among other things, embankments and a network of dykes. A fundamental component of the plan, however, was the pumping systems that had to be designed to raise the water up to the lake level in order for it to be dispersed.

The dash wheel, or scoop wheel, was a device of ancient design that was used in Britain and Holland to raise the water to a higher level and it became the earliest method of pump drainage in Chatham-Kent. The dash wheel looks and functions much like a mill wheel except instead of being turned *by* water flowing over it to a lower level, the wheel, as it turns, scoops water *from* a lower level and raises it *to* a higher level. The wheel requires energy to rotate and this power source was originally through a steam engine adjacent to the wheel that drove it through a series of pulleys and belts. They were later powered by gasoline or diesel engines and were slowly replaced by centrifugal pumps.

The dash wheels were made by several prominent early Kent County businesses including Park Brothers and McKeough & Trotter. The Myers dash wheel was specified in a report by W.G. McGeorge in April 1919 to be "of wood and iron of at least 22 feet in diameter and 4 feet clear width. The wheel pit shall be of reinforced concrete and the wheel driven by a steam engine and boiler." The wheel's buckets could move as much as 25,000 gallons of water per minute when levels were high.*

The dash wheels, although used in Europe, are unique in Canada (and possibly North America) to Kent County. Although three dash wheels still exist, the Myers Dash wheel is the only wooden example and the only one still in situ on its original site and in its original wood-framed shed with most of the attendant apparatus (with the exception of a power source) present. As such, it is a very important industrial/agricultural rarity that represents the determination, innovation, and the engineering accomplishment that resulted in one of the largest land reclamation projects in Canada that directly facilitated development of much of Chatham-Kent's renowned fertile agricultural land.

Design/Physical (OHA Reg 9/06):

The Myers Dash Wheel is a rare example of early 20th century stationary industrial/agricultural technology utilizing traditional engineering concepts.

The structure is particularly well-preserved, being housed in its original utilitarian metal-clad frame shed (exterior sheathing has been updated) and situated on its original concrete support bed in its original concrete wheel pit. The property also retains the original jack wheel, an arm that was powered by steam to turn the large wheel.

The wheel is impressive in its immenseness, being over 20 feet in diameter. Its size is accentuated by its location inside the utilitarian shed where it dominates within the close quarters.

Contextual:

The relationship between the property and its broader setting has remained unchanged since its construction in the early 20th century. The shed structure is prominent on the flat agricultural landscape and its location in situ as part of the larger drainage system is extremely significant and adds tremendously to its value and its potential as an educational/interpretive vehicle.

Description of Heritage Attributes/Character Defining Elements

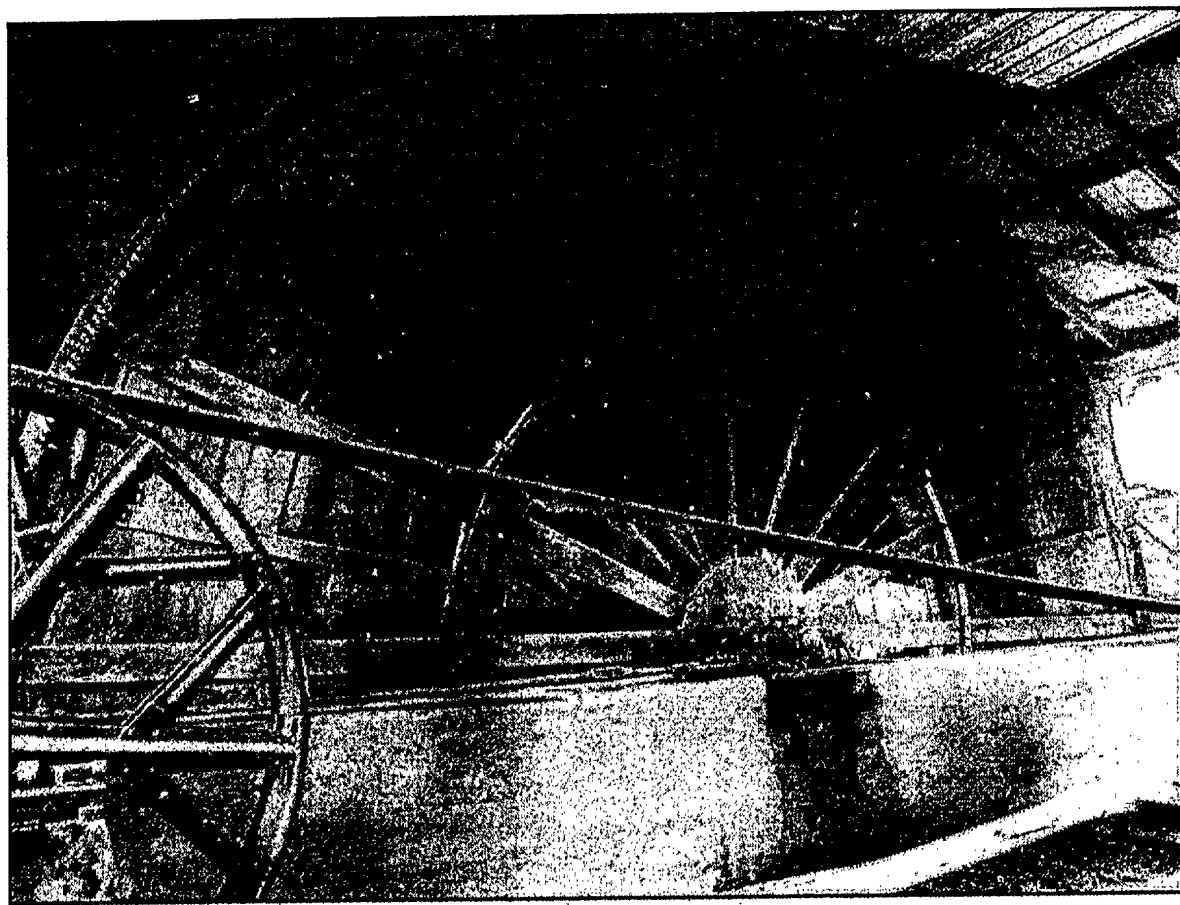
Key exterior elements of the Myers Dash Wheel property that contribute to its value as a rare and well preserved example of early 20th century stationary industrial/agricultural technology include:

- Metal clad frame shed
- Wood and iron dash wheel
- Concrete mountings
- Concrete wheel pit
- Functioning waterway and floodgate
- Jack wheel

Key contextual elements of the Myers Dash Wheel that support its value include:

- Its prominence on an embankment running through the flat low lying landscape, the only structure in the midst of the fields; a visual time capsule that has remained unchanged for nearly 100 years.
- Its in situ location as an important and integral component of the adjacent drainage system of embankments and dykes, lending extreme value to the understanding and appreciation of effective early drainage technology.

*Marion Matt *The Dipper Stick: A History Of Land Drainage In Kent County* 1979



SCHEDULE 'B'

Parts 1 and 2, Registered Plan 24R-3551, Community of Dover, now in the Municipality of Chatham-Kent.

Instrument No. 463792

PIN No. 007760003