

MUNICIPAL DRAINAGE AND PHRAGMITES

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Drainage Superintendent
Town of Kingsville



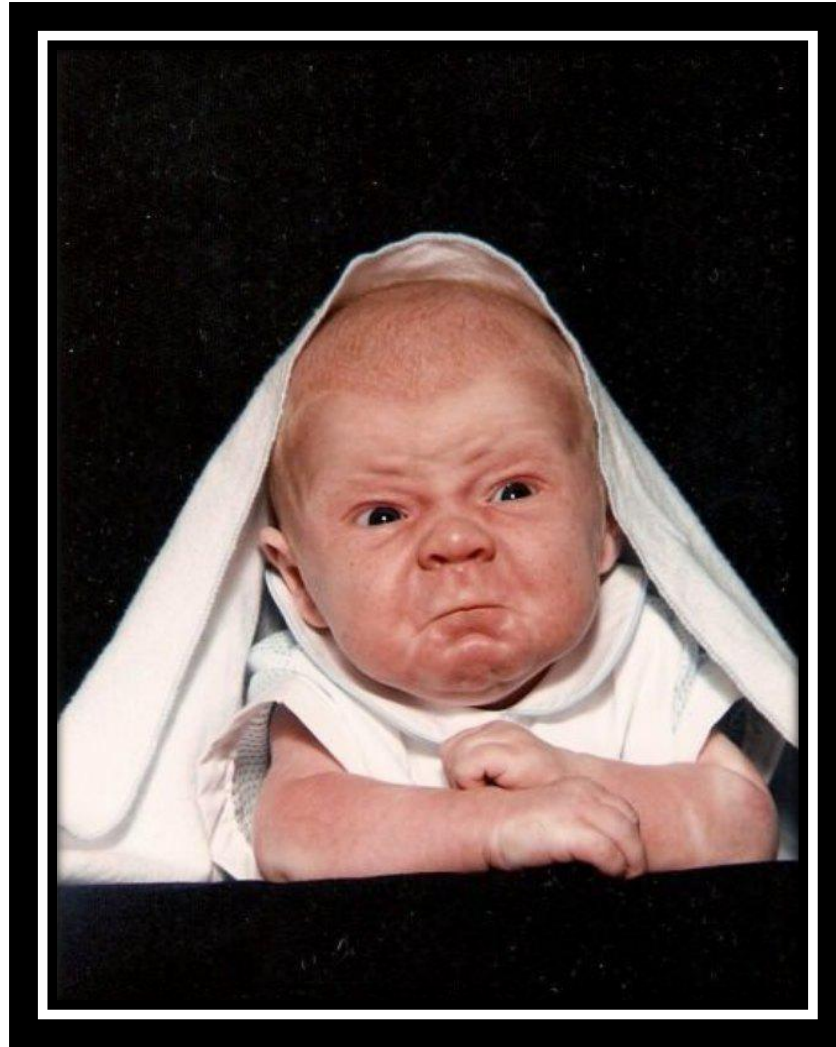
What is a Municipal Drain?

- Physically, a municipal drain is simply a drainage system designed to convey surface water or collected water to a sufficient outlet
- Most municipal drains are either ditches or closed systems
- Municipal drains are primarily located but not exclusive to rural agricultural areas of the province

Why is it called a Municipal Drain?

- Community project – landowners needed to solve a drainage problem
- Ontario Drainage Act allows for the right of drainage and all municipal drains are constructed and governed by the laws of the Drainage Act
- Legal existence – it is created under a municipal by-law
- Municipal infrastructure – the local municipality, through its Drainage Superintendent, is responsible for repairing and maintaining the municipal drain
- Because a municipal drain is a communal project any costs to construct or maintain a drain are assessed to properties within the watershed in which the drain services.
- Therefore, property owners can expect to be billed a share of the cost of the necessary maintenance work.

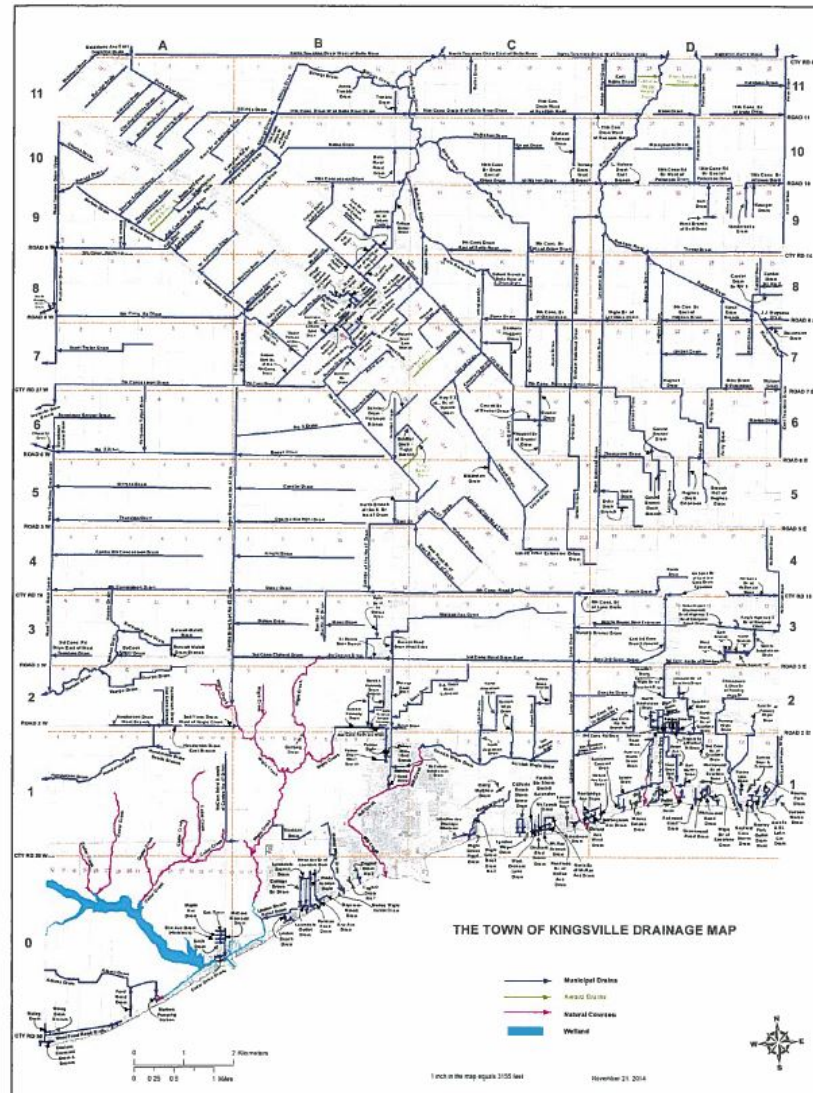
Typical Property Owner Reaction



2015 Phragmites Program



Town of Kingsville Drainage Map



Drainage Concerns of Farmers

- Impeding flow in municipal drains
- Tile outlets not functioning properly
- Delays in farming operations
- Loss of crop yield and subsequent loss in revenue
- Sightline issues at intersections

Method of Phragmites Control

- Do the most good with the least harm
- Wet blade technique is application of choice
- Application 4.5 to 5% (VisionMax) with 1% surfactant (Peanut Oil)
- \$60,000 budget
- All assessed properties pay for maintenance costs including Town roads, County roads, and Provincial Highways

Results of 2015 Phragmites Control







Recovery of Costs



- Use most recent Engineer's Report to determine cost assessment
- Send invoices to all affected properties



Continued Phrag Maintenance

- Continue Phrag maintenance control program in 2016 and beyond
- Every year less new growth is anticipated
- Educating the public of the seriousness of the problem
- Unless continued control measures are used, the Phrag problem will continue to grow
- By being proactive we will see the current phragmites problem shrink



I will win
Maybe not today
Or tomorrow
But one day
I will win

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Any Questions?

