

# Village of Lanark Water and Wastewater Systems Public Information Session

Presented by:



October 24, 2008

# Welcome

- Introductions
  - Technical Advisory Committee
  - Consultant Team
- Project Overview
- First Steps
- Project Schedule
- Public Input

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# Technical Advisory Committee

- Mayor – Bob Fletcher
- Councilor – Peter McLaren
- Chief Administrative Officer – Tom Derrick
- Township Project Engineer – Art Knowles
- Ministry of Environment – Bryan Dickman
- Consultant Project Manager – Norm Newman

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# Consultant Team

- Three firms
  - CH2M HILL, Leading the Project
  - JL Richards, Water Distribution and Wastewater Collection (water piping and sewers)
  - Golder Associates, Geotechnical and Water Well Studies

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# Consultant Team Staff

- CH2M HILL
  - Project Manager, Norm Newman
  - Client Service Manager, Clare Humphrey
  - Water Treatment, Andre Bourque
  - Wastewater Treatment, Marcy Jordan
- JL Richards
  - Phil Reeve, lead for JL Richards, managing water and wastewater piping design, local area surveys
- Golder Associates
  - Steve Wilson, lead for Golder, managing geotechnical and drilling work, water well studies

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# Why Is This Project Important?

- To provide safe drinking water to the community
- To reduce pollution to the environment from septic tanks affecting groundwater
- Village will benefit from sustainable water and wastewater systems in the long term

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# Project Overview

- New water and wastewater servicing for the Village
- Based on previous Environmental Assessment project completed in April 2008
- Water
  - Number of new water wells (2 or 3 likely), located near Concession Road #2
  - Two test wells already installed in the same area
  - Disinfection as required by the Ministry of Environment
  - New water piping including distribution pipe from the wells to the Village
  - Main distribution servicing within the Village
  - May have a reservoir, currently reviewing the need for this

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# Project Overview - Continued

- Wastewater
  - New wastewater collection system (sewers)
  - Vacuum type sewers, allows the piping to be shallower, given all the rock in the Village (short video for vacuum sewers)
  - Wastewater is collected from the sewers to a pumping station (to be located in the Village, near the tennis courts)
  - Wastewater pumps from the station through a forcemain for treatment
  - New wastewater treatment plant, located off of North Street
  - Treated wastewater will be directed to a number of underground disposal beds, using piping





# Project Overview – Proposed Facilities



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# First Steps

- How do we begin this project?
- Need to do a number of background activities
  - Geotechnical (drilling) – to get a better idea of what soils are like, and where rock is to begin finalizing location of piping
  - Main water well testing – doing flow tests and water quality samples for the new Village water supply wells, to finalize how many wells are needed to meet the required flow for the Village
  - Surveying – to provide the data including elevations of existing homes and streets needed to design the water and sewer piping
  - House survey – to locate for each home or business where existing water and sewer pipes exit the building (wells/septic tanks) – to finalize how to connect each home to the new piping

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# First Steps - Continued

- How will these background activities affect the Village?
  - You will see equipment such as drilling trucks, and survey crews around the Village doing their work
  - You will be asked to allow a representative of the Town and/or the Consultants to access your property and home/business to survey and determine location of your existing piping – this is critical to finishing our design of the piping systems
  - You will be asked to set up an appointment time for this access, which will be convenient to your schedule



# Project Completion

- What's Next?
  - Consultant team will start design of the piping, water wells, disinfection/pumping facilities and wastewater plant
  - Finalize design after the background data gathering is complete
  - Prepare design drawings and specifications – which outline all of the materials and type of equipment required, so that the construction can be tendered
  - Project funding must be secured before the job can go ahead, the current project is just for design, not construction



# Project Schedule

- Consultant team selected late September, first Technical Advisory Meeting October 6
- Final project details being determined over the next two months
- Background work starting week of October 27<sup>th</sup> – drilling and surveying expected to take up to two months, into December
- Design has started already
  - Preliminary design – to end of March 2009
  - Detailed design – Stage 1 – to end of August 2009 (partially complete, for review)
  - Detailed design – Stage 2 – to end of January 2010 (final design, ready for tender)

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# Public Input

- How can you follow the project?
  - Today's meeting, an outline of how the project will start
  - After preliminary design, March 2009, public meeting to review progress
  - After final design, January 2010, public meeting to see final project
- How can you provide input?
  - Speak to your Councilor or Mayor
  - Provide input at the preliminary design review public meeting
  - Provide input to the Technical Advisory Committee

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