

Knowles Avenue Local Improvement Project



Wastewater Sewer, Land Drainage Sewer
and Water Main

Agenda

- Construction schedule and new water main and sewers
- Activities during construction
- Connecting to the new wastewater sewer and water main
- Restoring the construction area

New sewers and water main

- Water main - north side of Knowles between De Vries Avenue and Gateway Road
- Wastewater sewer - south side of Knowles between DeVries Avenue and Gateway Road
- Land drainage sewer - south side of Knowles between Gateway Road and Sunny Morning Road



Construction schedule

- Early March to mid-May 2010
 - install new water main and sewers west of Sunny Morning Road
- Mid-May to early July 2010
 - install new water main and sewers east of Sunny Morning Road
- Summer 2010
 - temporary road repairs
- Summer 2011
 - permanent road repairs



What you can expect during construction

- Large machinery digging shafts (large holes) along both sides of the street
- Weekdays from 7 a.m. to 7 p.m.
- Traffic restricted to local access only
- Parking restrictions
- Road deterioration



What you can expect during construction

- Occasional changes in school bus pick up/drop off location
- Vehicles / equipment occasionally blocking your driveway
- Occasional changes to the pickup location for your garbage and recycling
 - Workers will move your materials to the pickup location and return containers to your property (make sure your address is on your containers)



Safety precautions

- Supervise your children to and from the school bus pick up / drop off location.
- Keep your children away from the construction area at all times.
- Supervise your children while they play outside.
- Reduce your driving speed.
- Watch for workers and construction vehicles.



Trenchless construction

- New water main and sewers installed using trenchless methods
- One shaft about every 50 metres
- Additional shafts for:
 - hydrants
 - valves
 - manholes



Trenchless construction

- A shaft is dug, and a hole cored between shafts.
- The new pipe is placed in the cored hole between shafts.
- Shafts will be filled with the clay that was dug out and compacted.



Connecting to the new wastewater sewer and water main

- You must connect to the new wastewater sewer within 5 years (Provincial requirement).
- Connecting to the water main is optional.



Connecting to the new wastewater sewer and water main

You must:

- Remove or abandon your onsite wastewater management (septic) system once your private sewer service pipe is connected to the wastewater sewer,
- Isolate your well from your drinking water plumbing system once your private water service pipe is connected to the water main, and
- Negotiate and make all the arrangements with a contractor licensed by us for the work to install your private water and sewer service pipes

Cost of connecting to new wastewater sewer and water main

You will be required to pay:

- frontage fees (water, sewer, land drainage),
- cost of installing and connecting your private sewer and water service pipes to the new wastewater sewer and water main,
- cost of adapting your plumbing where necessary using a licensed plumbing contractor,
- permit and inspection fees.



Cost savings by using our contractor for your private service pipes

- If you use the contractor that we hire to install the wastewater sewer and water main, you will save some costs.
- If you hire a different contractor, they will not be allowed onsite until our construction activities are complete.



Permit savings if you connect now

- Because our contractor is already on site, the following permit fees would not apply for the portion of your private pipes from your property line to our pipes:

Application fees

- | | |
|-----------------------|---------|
| – connecting to sewer | \$31.00 |
| – connecting to water | \$31.00 |

Permit fees

- | | |
|-----------------------|---------|
| – connecting to sewer | \$70.00 |
| – connecting to water | \$70.00 |

Permit savings if you connect now

Administration fees

- connecting to water \$35.00
- connecting to sewer \$35.00

Cut permit fee \$131.00

Graded roadway cut permit \$184.00

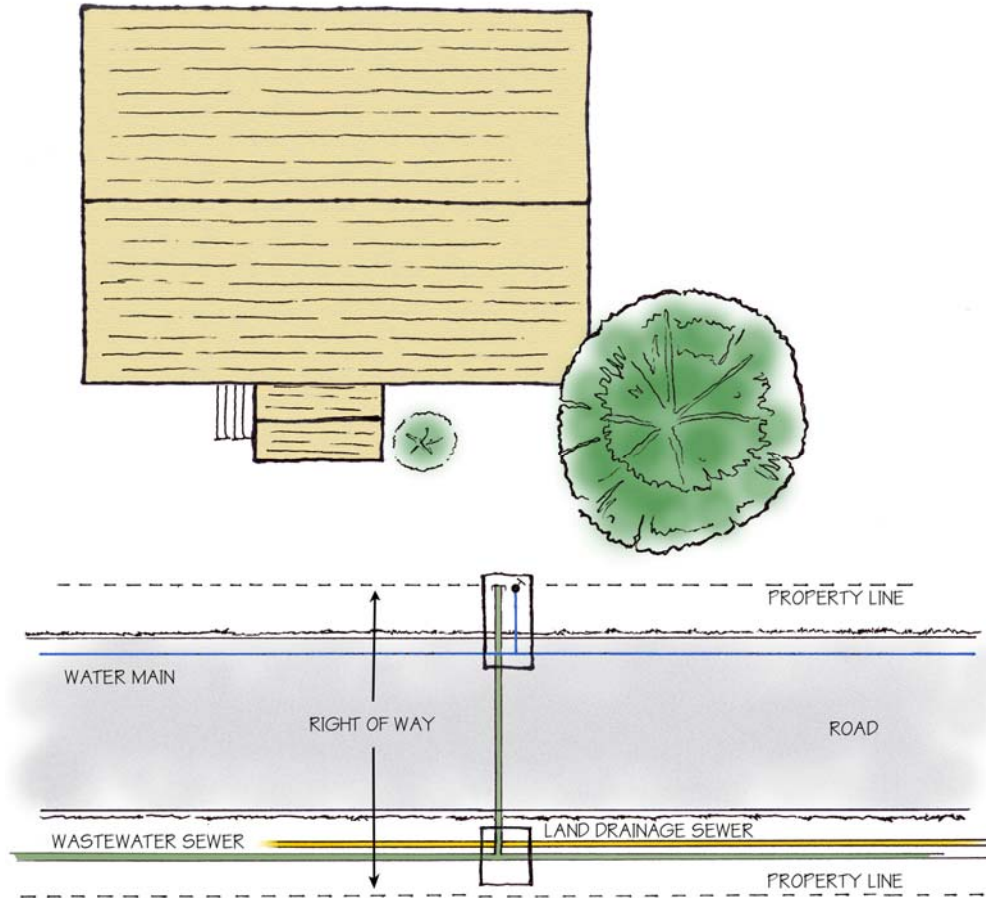
Mud cut permit \$163.20

Total permit savings \$750.20

Opportunity to hire the same contractor as the City

- We are asking our contractor to identify a fixed price for homeowners that want to install their private water and sewer service pipes now.
- The price will include your cost for installing a private:
 - sewer service pipe from wastewater sewer to your property line only
 - water service pipe from water main to your property line only
- We will advise you in February of this price.
- You will still have to hire a contractor licensed by us to connect your private service pipes from your property line to your home.

Fixed price – applies from our mains to your property line only



Hiring a contractor

- You must hire a water/sewer contractor licensed by us.
- Before you consider hiring any contractor, it is still good practice to:
 - get at least three estimates from licensed contractors,
 - ask for and check contractor references, and
 - call the Better Business Bureau for a reliability report on contractors.
- We do not warranty any work carried out by the licensed contractors on our list.

If you connect only to the wastewater sewer and not the water main

- You will be responsible for purchasing and installing an approved water meter to measure the amount of water removed from your well.
- We will inspect and seal the water meter.
- We will bill you quarterly for sewer service based on water meter readings.

Requirements you should discuss with your licensed sewer/water contractor

- Bringing your private water / sewer service pipes into your home (e.g., through a hole in the basement floor)
- Restoring the area where they bring in the pipes
- Removing or abandoning your onsite wastewater management (septic) system
- Isolating your well from the drinking water plumbing system
- Adapt your plumbing where necessary using a licensed plumbing contractor

Our role when you connect to new wastewater sewer and water main

- Provide a list of water and sewer contractors licensed by us
- Supply and install the water meter
- Inspect the sewer/water connections to your home

Restoring the construction area

- We will restore the road and ditch areas back to the condition they were in prior to construction.



Restoring the road

- Temporary road repairs of 150 millimetre crushed limestone with dust control will begin once the new City water main and sewers have been installed
- Permanent road repairs of chip seal are expected to begin summer 2011
- The more homeowners that use our contractor to connect from the new wastewater sewer and water main, the less your street will be disrupted in the next 5 years

Questions

