

Ottawa Drinking Water in the 21st Century

Chris Miller

1



Agenda

- Drinking Water Regulations
- Distribution Technical Service Unit
- Work Scheduling process
- Water Service Commitment
- Final Acceptance
- Fleet Street 150
- Questions?



2

The Law

- Ministry Of Environment, Conservation & Parks:
 - Regulates Drinking Water Systems to ensure Water Safety and quality- by:
 - Registering all municipal drinking water Systems
 - Licencing System Owners and Operators
 - Authorizing Operators to run and maintain drinking water systems
 - Issues drinking water Permits to modify, repair or extend the drinking water system

- Drinking Water System Source Law:
 - Provincial standards for water quality are set out in:
 - Safe Drinking Water Act
 - O. Reg 169/03 (Water Quality Standards)
 - O. Reg 170/03 (Drinking Water Systems)
 - O. Reg 128/04 (Certification of Drinking Water System Operators)



3

Ontario Watermain Disinfection Procedure

- Based on AWWA 651 Standard.
- Contains regulations on disinfection, connections, watermain break classifications, sampling, backflow prevention.
- **No changes for 2023.**



4

Water Distribution Technical Unit

Each Project will be assigned a Project Coordinator to support:

- Review and provide comments on design drawings.
- Provide technical support and open lines of communication to the Contractor, ISD Project Manager, Inspectors, CA's, Supervisors, Maintenance Planners and DWS field staff.
- Attend TAC, Pre-construction and site meetings.



5

Distribution Technical Support Unit

- Assists the PM's by performing preliminary investigations on the accessibility and operation of isolation valves and identification of required service excavations or hose bib alterations.
- Assists with the development of the isolation plans, temporary servicing plans and sequencing of final connections.
- Assist and provide comments to the project team on DWS requirements for job specific tasks.
- Routine on-site assistance and support.



6



Scheduling Water Service Crews

The Contractor shall coordinate through the Contract Administrator or the City Inspector at least two (2) business days in advance of commencing construction in order to arrange and schedule any labour, equipment or materials to be provided by the City of Ottawa Drinking Water Services.

Business day means Monday to Friday, inclusive, between the hours of 7:30 a.m. and 4:00 p.m.



7



First step is to generate a DWS Work Order by contacting waterpermits@ottawa.ca

All work requests to be sent to water-booking@ottawa.ca



8

DWS commitment

- Continue to improve our crew availability and collaborate with our partners to reduce delays and scheduling issues.
- Focus on improving operational performance and reduce hours spent on-site by our field staff.
- Lower the frequency of required site visits when possible.
- Monitor, track and review daily work completed.
- Provide technical and on-site support throughout all phases of construction.
- Continual improvement and mutual accountability.



9

Help us Help you

- Schedule the crew as early as possible- but not too early.
- Have the site ready and prepped.
- Ensure there are required tools and equipment on site.
- Ensure technical support close-by.
- Escalate concerns promptly.
- Understand Water Services/Certified Operators restrictions.
- Understand changes to Legislations.
- Process Sewer discharge permits ASAP.
- **WE WELCOME SUGGESTIONS FOR CONTINUAL IMPROVEMENT!!!!**



10



Final Acceptance

New program to ensure City of Ottawa compliance with its Drinking Water Licenses and Drinking Water Quality Management System (DWQMS).

Designed from the ground up by DWS.

Will involve inspections for overlay and capital projects.

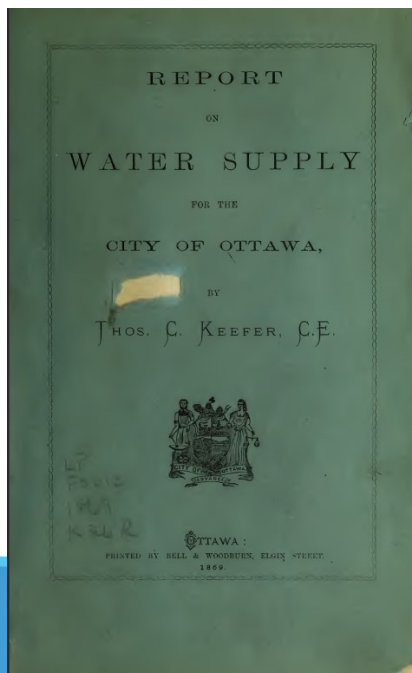
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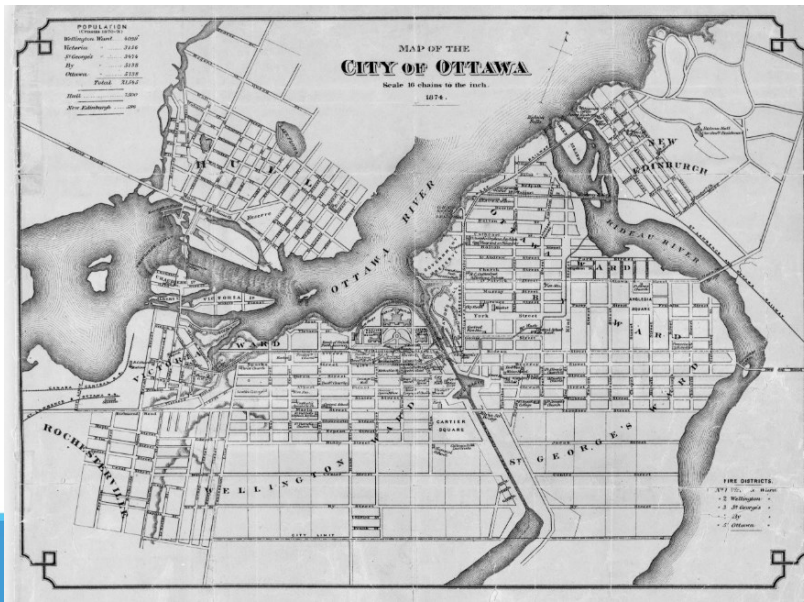
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Fleet Street 150



12




13



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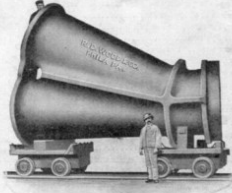
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14



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15



Questions????



16