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Buried Secrets Exposed within Toronto's River Valleys



Dr. Bill Snodgrass, Toronto Rob Amos, Aquafor Dave Maunder, Aquafor



























August 19, 2005

City of Toronto rain gauge station recorded 153 millimetres



































2008 – Toronto Manhole Study

City of engaged Aquafor to address priority risks to exposed sewers



Toronto Manhole Study

- 1. Morningside Creek Storm outfall (2100mm) stabilization in Redside Dace habitat.
- 2. East Highland Creek within Morningside Park 3x exposed sanitary sewer manholes and pipe crossings.
- **3. West Highland Creek** (Dorset Branch) 3x exposed sanitary sewer manholes.
- 4. Glen Manor Tributary Storm sewer inlet within Glen Stewart Ravine
- 5. West Don River Unique project where significant channel restoration and sanitary sewer realignment within G Ross Lord Park undertaken.
- **6.** West Humber River Reach based (~250m) channel restoration to protect exposed sanitary manhole and sewer pipe crossing within Summerlea Park.
- 7. Chapman Creek Emergency works design at major sanitary sewer exposure.
- 8. Mimico Creek Similar to Don River, restoration included both stream restoration (shale bedrock channel), as well as sanitary sewer realignment.



July 8th, 2013

Toronto Airport rain gauge station recorded 126 millimetres

(Oct. 15, 1954 - Hurricane Hazel dumped 121 mm of rain)







Toronto Manhole Study

West Don River – Unique project where significant channel restoration and sanitary sewer realignment within G Ross Lord Park undertaken.





Toronto Manhole Study

West Don River – Historic Perspective







Don River Sanitary Trunk Sewer Construction



Connaught Laboratories Sewage Protection



RONTO

Aquafor Beech





















West Don River – Environmental Assessment



West Don River – Environmental Assessment

West Don River – Detailed Design

United Rentals

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