



DISTRIBUTION & COLLECTION OPERATIONAL REQUIREMENTS

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OPERATIONS ENGINEER

ROLE OF DISTRIBUTION & COLLECTION AND OPERATOR IN CHARGE (OIC)

- Operation of all valves and hydrants
- Ensure adherence to disinfection and testing procedures prior to connection
- Witness all connections to the distribution system
- Attend watermain, forcemain, collection system breaks to determine steps to allow for reinstatement of service
- Review / Approve:
 - Temporary Water Supply (Bib) Systems (incl. temporary isolation, phasing & recommissioning)
 - Operational Contingency Plans for work on or near critical infrastructure



TEMPORARY WATER SUPPLY (BIB) SYSTEMS (REF. GSSS/OPSS MUNI 493)

- Bib Plans to be submitted at the Pre-Construction Meeting or one (1) week prior to any construction activities taking place, whichever comes first
- Plans to include:
 - a) Layout;
 - b) Watermain construction/shutdown staging plan (if required);
 - c) Connections to existing watermain;
 - d) Size and type of pipe;
 - e) Service connection points;
 - f) Valves and check valves;
 - g) Feed connections;
 - h) Size of service to non-residential buildings



TEMPORARY WATER SUPPLY (BIB) SYSTEMS (REF. GSSS/OPSS MUNI 493)

- Field Tested and Certified RPZ Backflow Preventers
- All materials shall be NSF/ANSI 61 compliant and, if being reused, shall have been used exclusively for potable water services in the past
- Include temporary measures to mitigate stagnant water (e.g. temporary caps c/w blow-offs)
- System to remain in operation for duration of Construction (incl. final connections)



BIB SYSTEM LAYOUT PLANNING

<https://opendata.greatersudbury.ca/>



CGS WATER DATASET

Untitled map

Layers

Search layers

Water Dataset

- Water Anode
- Water Booster Station
- Water Control Valve
- Water Fitting
- Hydrant
- Water Meter
- Water Meter Station
- Water Production Well
- Water Station
- Water Service Box
- Water System Valve
- Water Treatment Plant
- Water Valve Chamber
- Water Pressurized Main
- Water Service Line

Add

Esri, NASA, NGA, USGS, FEMA | Province of Ontario, Esri Canada, Esri, TomTom, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, USDA, NRCan, Parks Canada

Example Temp. Potable Water Supply Plan

General Notes:

1. All components, testing and commissioning of system to be per GSSS 493
2. All water residential water services to be 20mm dia PE c/w valves at connection to temp. watermain and at connection exterior hose bib
3. Temp. System to be protected from vehicular traffic at all crossings (e.g. encased/buried)

Connect to Hyd 12-00 c/w
Certified RPZ Backflow Preventer

Cut and Cap Exist. WM at
final connection point c/w
50mm dia. blow-off

25mm dia. blow-off c/w dbl
check valve @ dead-end

50mm dia. Class 250 PVC Pipe
c/w Restrained Joints



D&C SUPERVISOR CONTACT INFORMATION

Work Area: Onaping, Levack, Dowling, Chelmsford,
Valley East, Capreol

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Work Area: Lively, Copper Cliff, Sudbury, Garson,
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**Note: Minimum 48 hours' notice required for any site
visits / inspections**

