

Broadview Backflow Valve Pilot Project

Broadview Public Meeting
October 19, 2011

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Project Background:

- 10 homes reported sewer backups in Dec 2010 storm.
- Near-term action to reduce backups at homes most at risk.



Knife gate



Flap gate



Flap gate
installation

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Project Goals:

- Install valves asap for homes w/ backups in Dec 2010.
- Install valves asap for those that could be impacted during Dec 2010 size storm.

Note: Assumed 30% additional flows in model as safety factor.



CCTV video inspection

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Backflow Valves:

Benefits

- Reduce potential for sewer backups into basements.
- Can be put in place faster than large capital project.

Considerations:

- Must be maintained.
- Like any device, it can fail.
- If knife-gate valve is installed and groundwater collects in vault, a sump pump may be needed.
- Plan to install additional devices to reduce potential of new backups.

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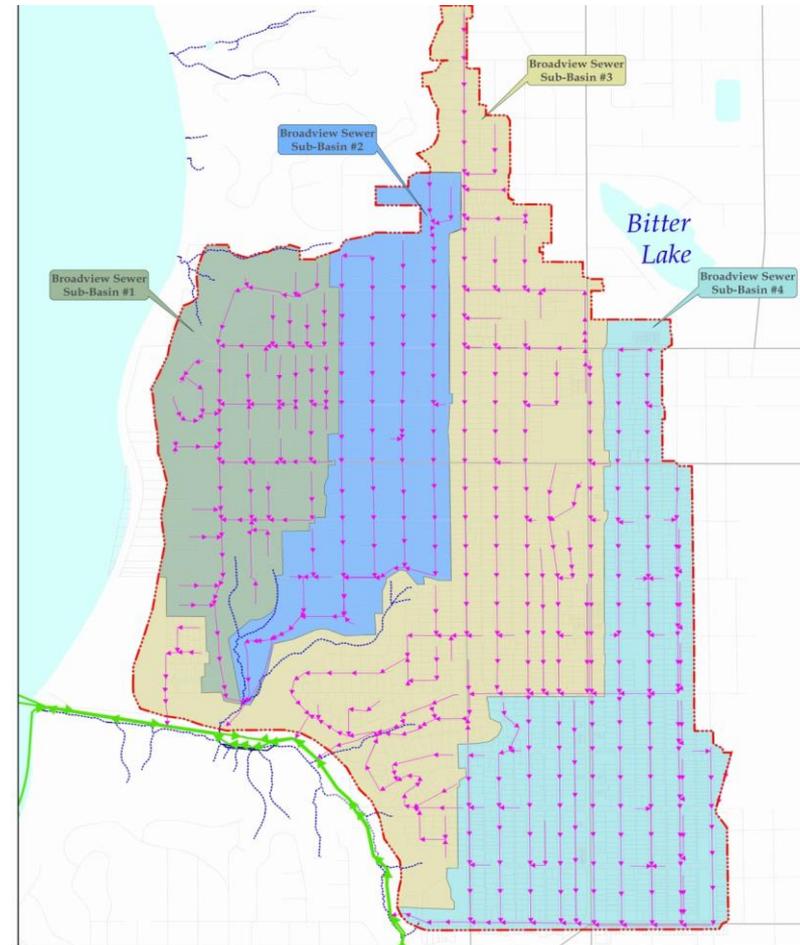
Main Steps of Project:

- Basement elevation surveys & initial site investigations.
- Survey results went into computer model which yielded list of homes for pilot project.
- Prepared Draft Agreement for homeowners.
- Videoing side sewer lines.
- Identifying best valve locations at each site.
- Hiring contractor for installation.

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Next Steps:

- Cost estimates for each site.
- Send homeowners final Agreements to sign, notarize & return.
- Installation of backflow valves.
- SPU pays for installation.
- Homeowners own and maintain valve.



Broadview Sewer Basins

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Questions?