

Drainage Services Flood Prevention Program

North Millbourne Community Consultation



Flooding in Edmonton

- Recurring problem in many areas
- Causes disruptions; cost time and money
- Flood prevention top priority
- Flood prevention program goals:
 - Find primary causes
 - Identify options
 - Work with communities/stakeholders to implement viable solutions that improves flood prevention



Actions Since the Flood

- Emergency response in July
- Homeowner subsidy program for backwater valves: \$3.0M committed to date
- Public meetings in Sept./04
- Engineering studies of high risk neighbourhoods completed Feb./05



Actions Since the Flood

- **Commitment to public consultation and education**
 - Share knowledge and information
 - Stay in touch through regular communications
 - Consult the community before taking further action
 - Reflect community needs and preferences in the action plan



Today's Meeting

1. Share engineering findings
2. Lay out various options
3. Get community input and feedback to help define best outcomes for homeowners and City

No final decisions tonight

After Today's Meeting

1. Summarize and share input
2. Incorporate input into action plan recommendations
3. Come back to the community to discuss plan and get feedback
4. Report progress

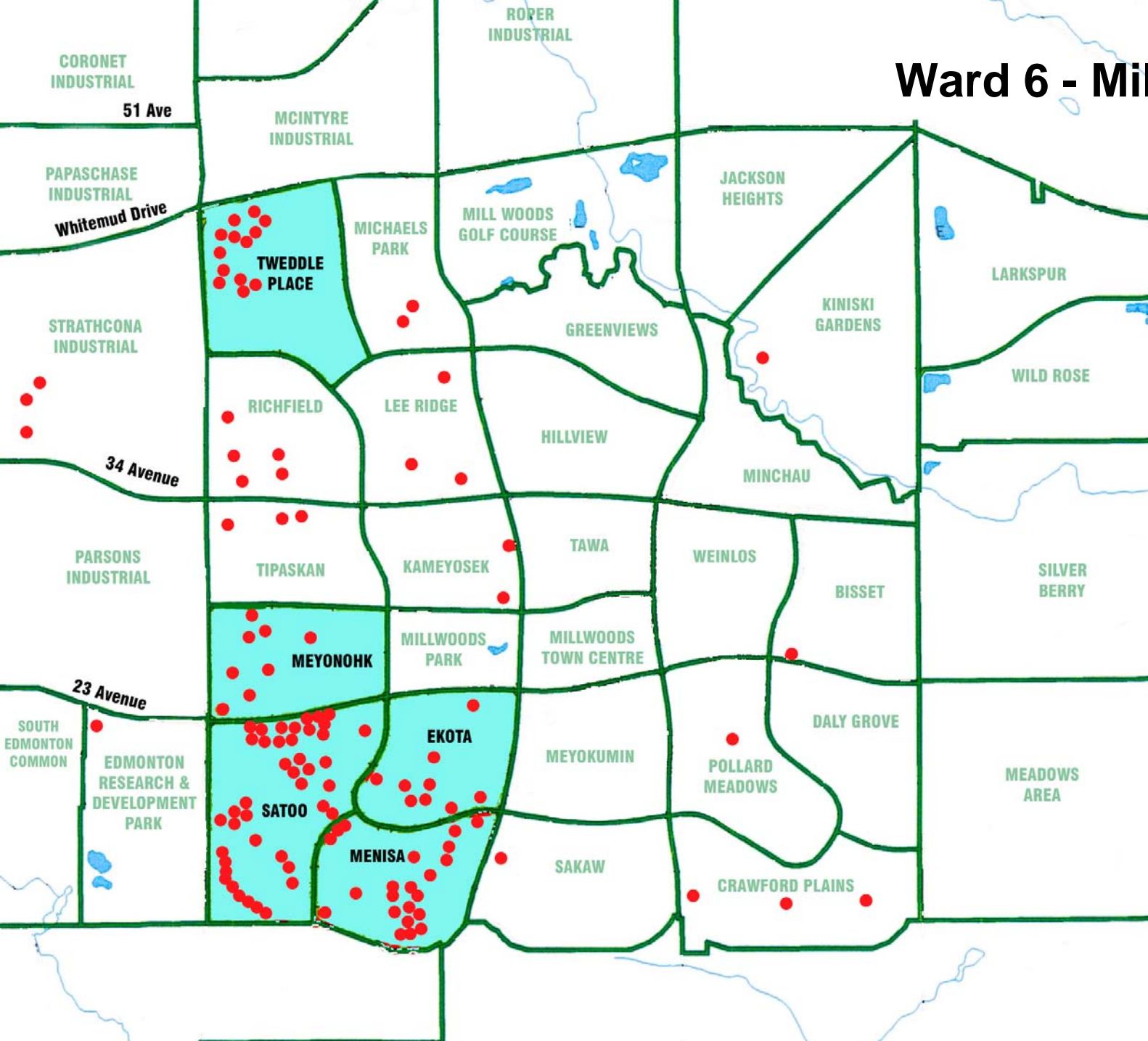
Consultation will continue as required

July Flood Impact

North Millbourne

- 27 homes flooded in 2004 floods
- 233 homes flooded before 2004
- 820 homes in area

Ward 6 - Millwoods



North Millbourne Findings

- Water volume exceeded storm sewer capacity
- Stormwater got into sanitary system
- Weeping tile connected to home's sanitary sewer
- Most manhole covers were sealed
- Most flooded basements caused by sanitary sewer backup



North Millbourne Findings

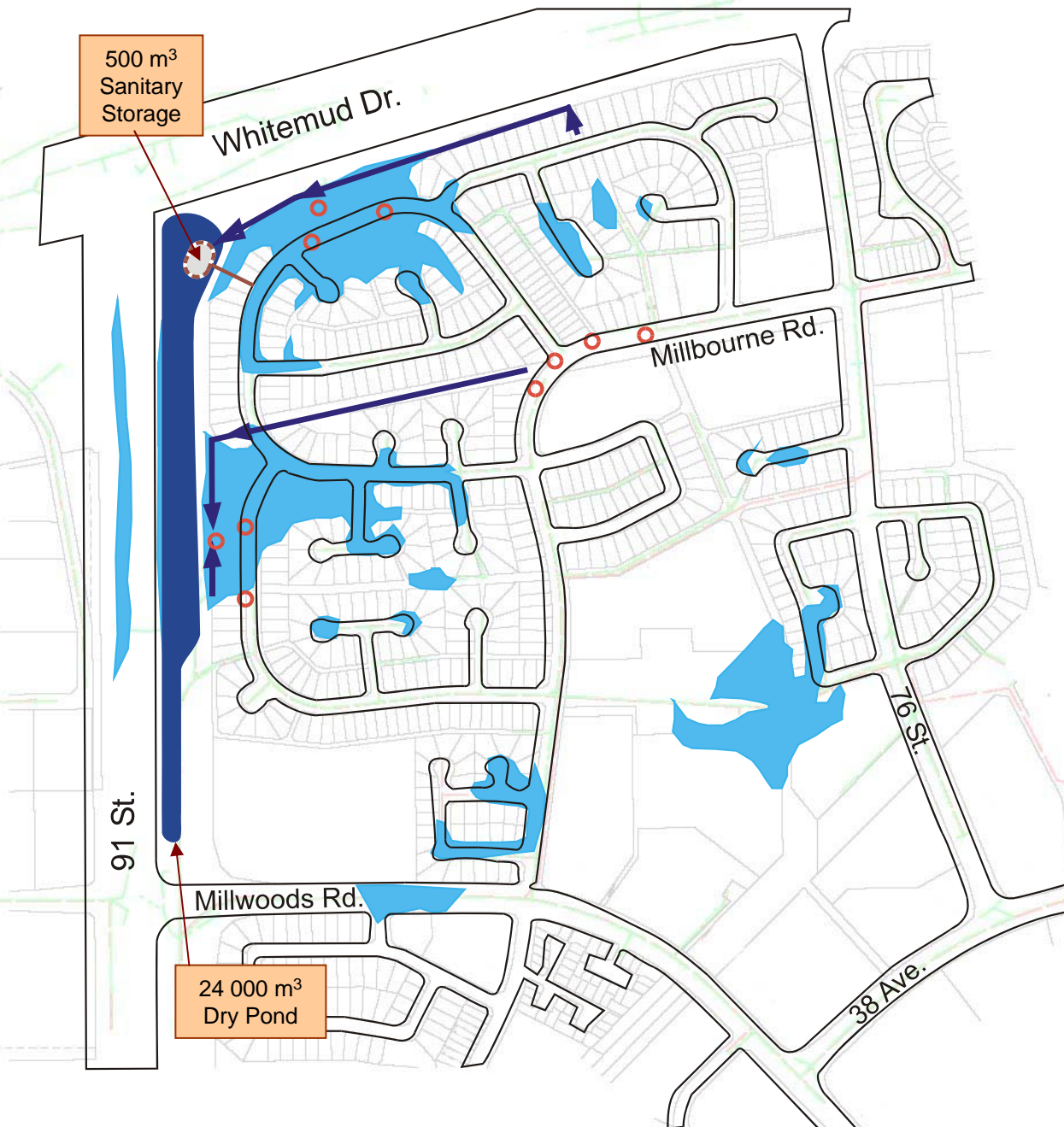
- **Common characteristics of flooded homes**
 - 17% had landscaping or lot grading that caused water to drain toward the house
 - Many houses had downspouts discharging too close to the home









What Does it Mean?

- Better flood prevention requires joint effort from homeowners and City
- System improvements needed; involves significant time and expense
- Cooperation needed from others who manage or own private property
- Support needed from community to move ahead

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Legend

-  Low Areas
-  Surface Storage
-  Surface Drainage for Major Flows
-  Inlet Capacity Upgrade
-  New Sanitary System
-  Underground Sanitary Storage Tank



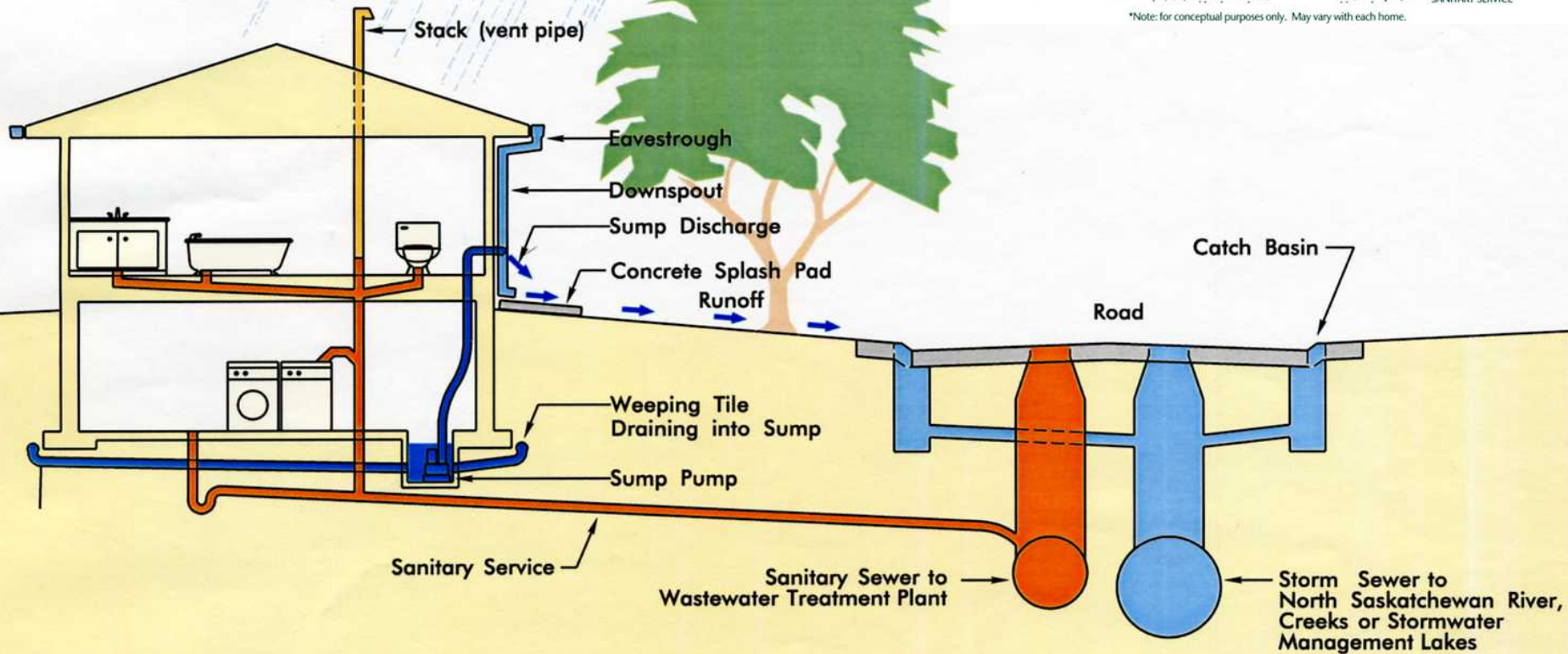
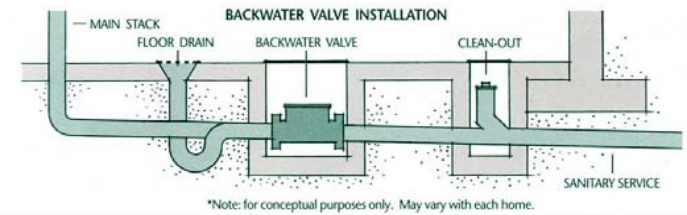
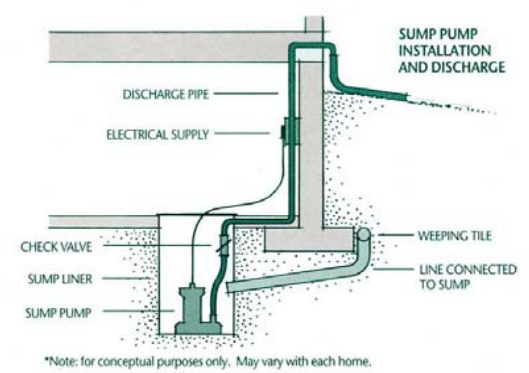
Improvement Options

Dry Pond and overflow connections	\$2,100,000
Major flow diversions	\$110,000
Sag inlet capacity upgrades	\$140,000
Sanitary storage tank	\$750,000
Total	\$3,100,000

Homeowner Options

- Improve lot grading to get surface water away from house
- Install/maintain adequate eavestroughs: 6 inch wide trough recommended
- Set in place downspouts: 1.5 metre extensions
- Install backflow prevention valve and sump pump

Household Servicing (1989 to present)



The logo for the City of Edmonton, featuring a stylized blue and white geometric design of a city skyline and the text "City of Edmonton" in a serif font, oriented vertically on the left side of the slide.

What are the Benefits?

- Quicker overall drainage
- Less pooling of water on the surface
- Less likelihood of basement flooding
- Less property damage
- Savings of time, money and inconvenience

The logo for the City of Edmonton is positioned vertically on the left side of the slide. It features a photograph of a modern building with a large, triangular, glass-enclosed structure, likely a library or community center, situated on a waterfront. The text "City of Edmonton" is written in a serif font, oriented vertically from bottom to top.

Discussion and Feedback

Clarifying Questions?



Issues, comments, concerns?



Ideas and suggestions?



Preferred options?