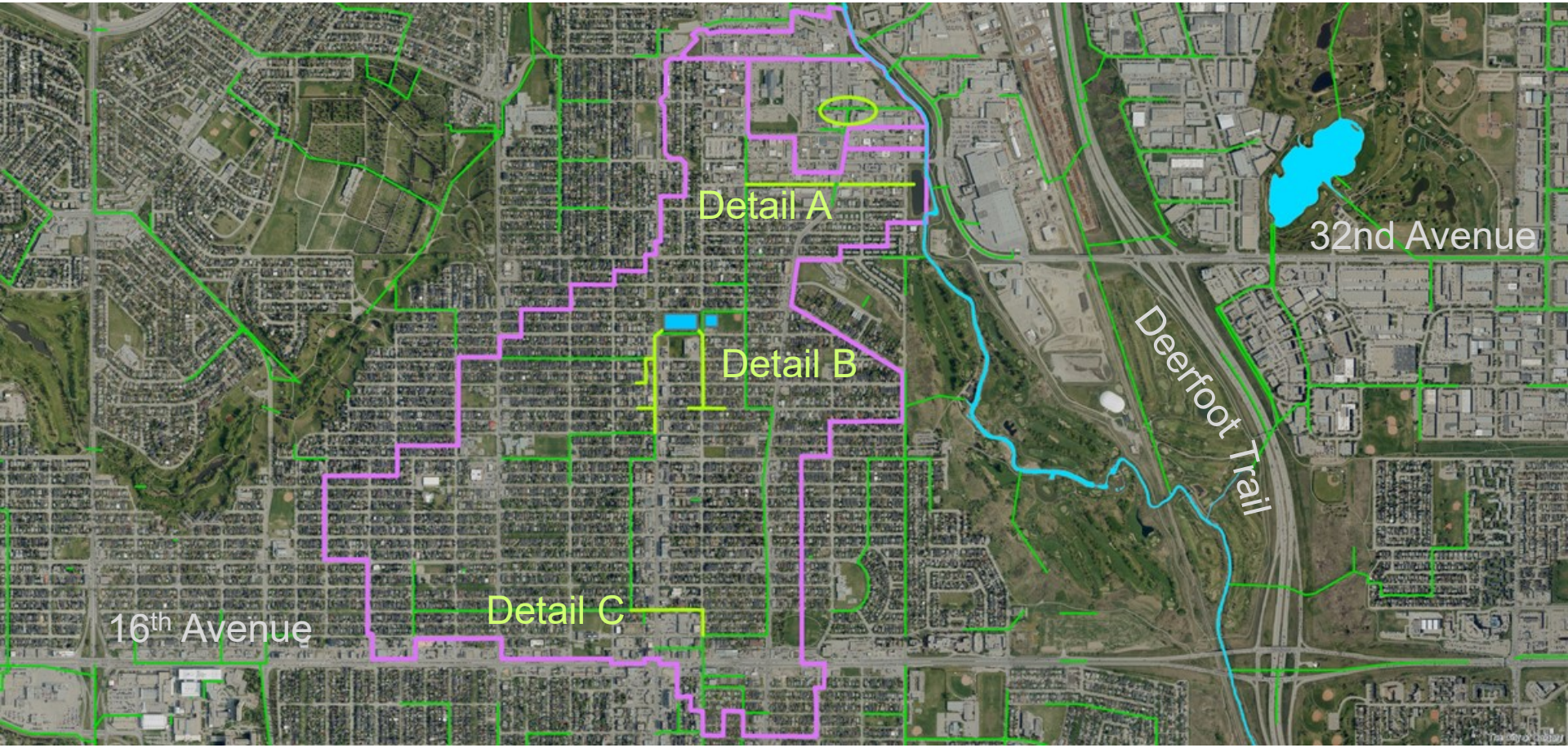
# Tuxedo/ Mount Pleasant Community Drainage Improvements

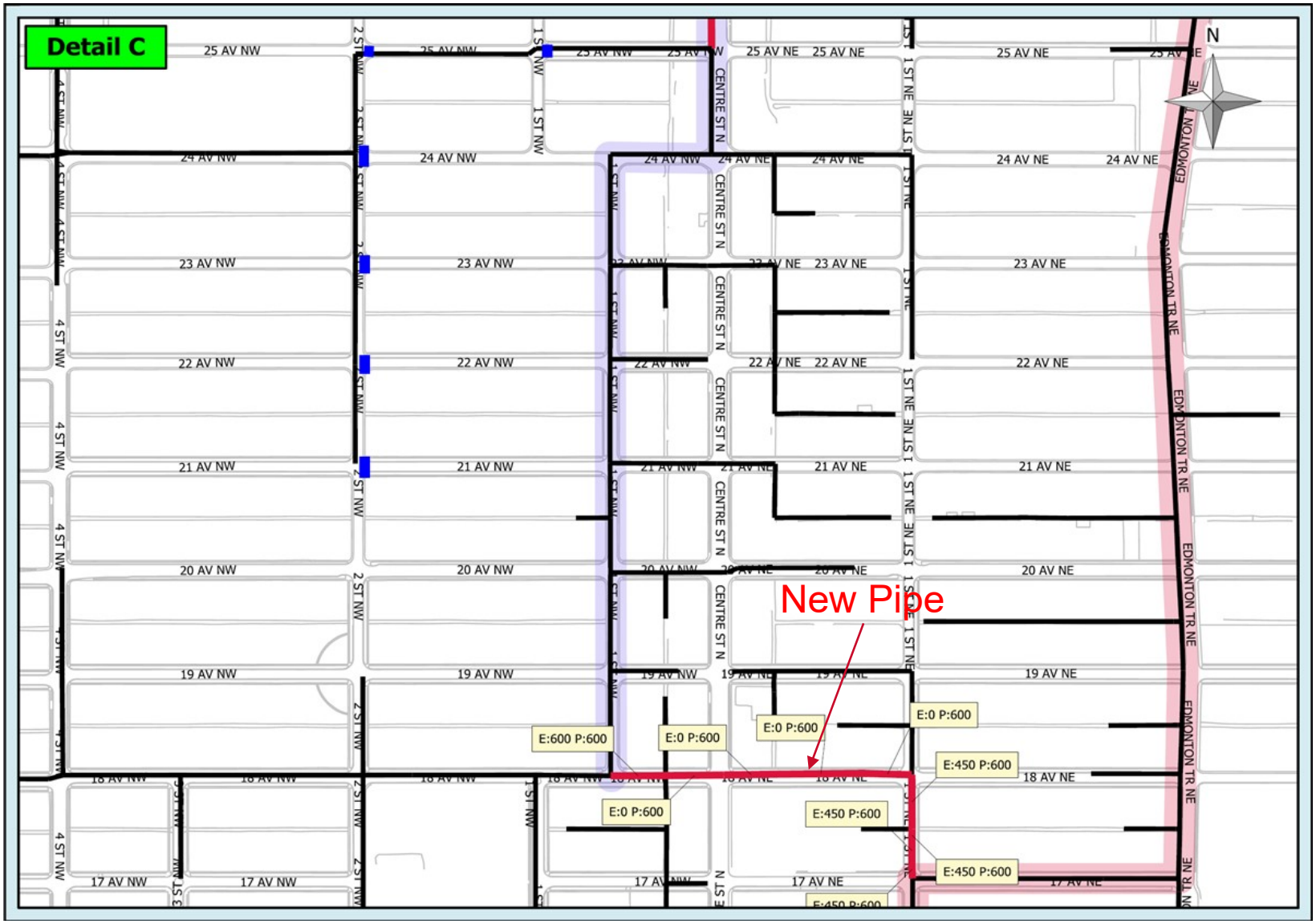
# Agenda

1. Introductions
2. Overview of Drainage Improvements Identified for Tuxedo
3. Examples of Dry Ponds
4. Update on Provincial Stimulus Submission and Impact on Tuxedo Improvement Implementation
5. Formulate Task Force
6. Next Steps

# Overall Area

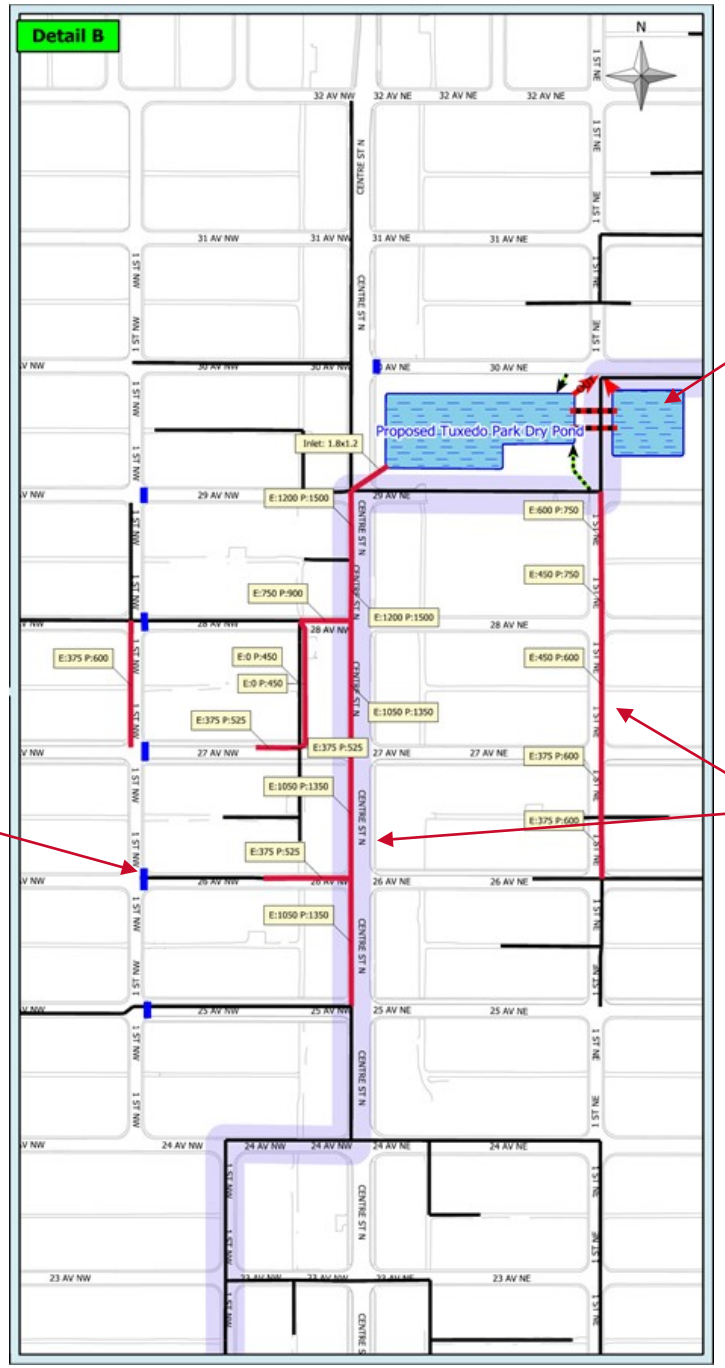


# Detail C – Flow Diversion $1.65M



# Detail B

## Increased Drainage, Flow Storage and local improvements
## $5.86M

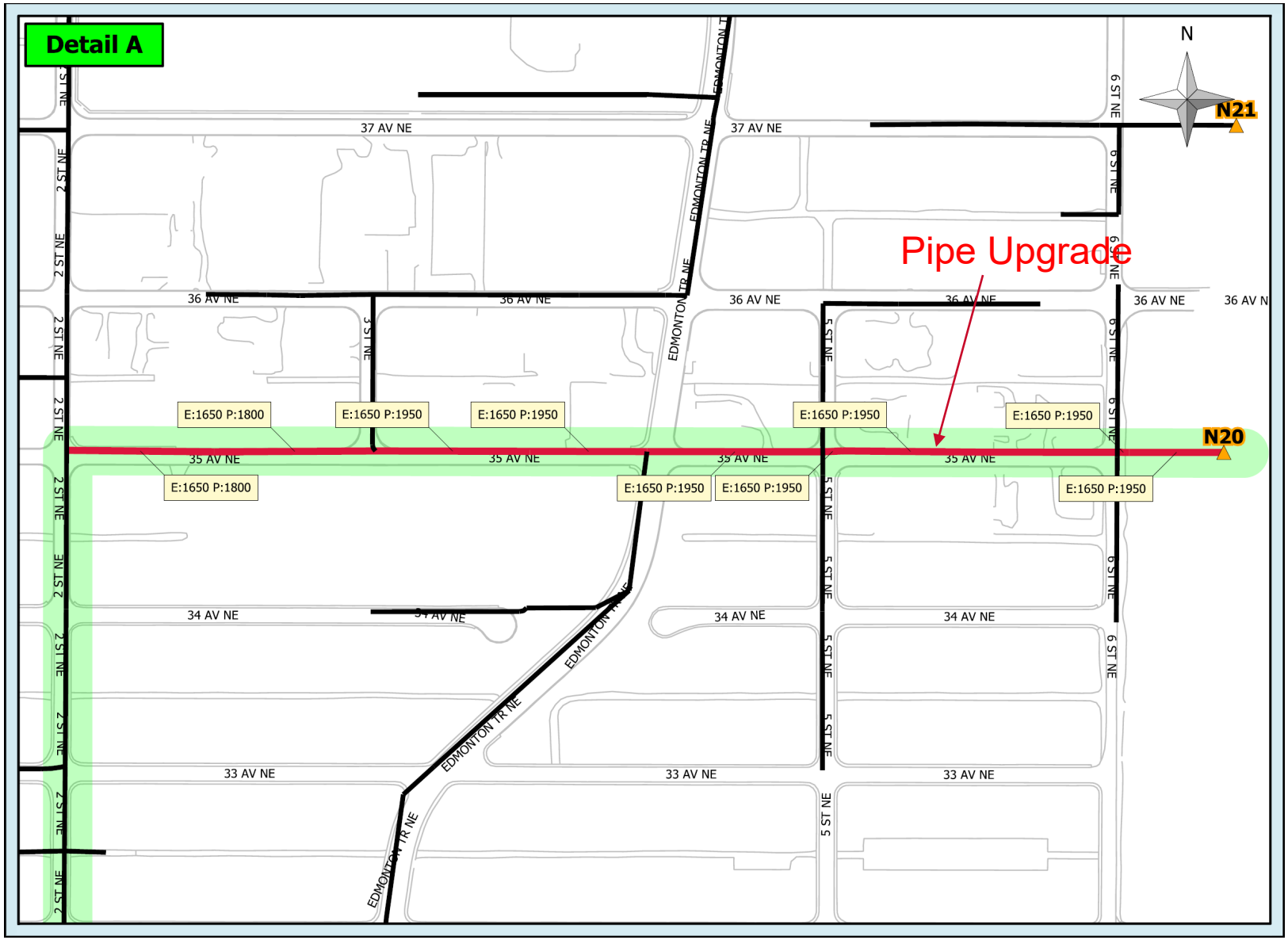



Dry Pond

Pavement Alterations (Raised)

Pipe Upgrade

# Detail A – Trunk Upgrade $6.68M



# Projects Cost Breakdown

- Detail A – $6.7M
  - Pipe Upgrade
- Detail B – $8.2M
  - Dry Pond, Pipe Upgrades, Pavement Alterations
- Detail C – $2.3M
  - Pipe Upgrade (Flow Diversion)

- All Class 5 estimates that will change based on the solutions selected

# Dry pond examples

Hanson Ranch

Killarney

# Dry Pond Examples - Braeside

# CDI Prioritization List

| Project Name | Cost Estimate ($000's) | Project Status | Original CDI Estimated Construction Date[1] | Revised Estimated Construction Date (Reduced ACRP Funding)[1] | Revised Estimated Construction Date (Reduced ACRP and Sunnyside Prioritized)[1] |
|---|---|---|---|---|---|
| Woodlands/Woodbine Bebo Grove & 24th Street SW Diversion (formerly Pond D) | *$21,200* | *Completed* | 2018-2020 | 2018-2020 | 2018-2020 |
| Woodlands/Woodbine - Braeside Dry Pond (formerly Pond A) | *$6,282* | *Completed* | 2018-2019 | 2018-2019 | 2018-2019 |
| Woodlands/Woodbine - Local Improvements | *$3,889* | *Construction* | 2018-2020 | 2018-2020 | 2018-2020 |
| North West Inner-City - Pump Station #1 – Sunnyside[2] | *$12,300* | *Construction* | 2019-2020 | 2019-2020 | 2019-2020 |
| North West Inner-City - Pump Station #2 – Sunnyside[3] | *$9,500* | *Construction* | 2018-2020 | 2018-2020 | 2018-2020 |
| North West Inner-City - Upper Plateau Separation[5] | *$49,400* | *Design* | 2020-2022 | 2020-2022 | 2020-2022 |
| Downtown Flood Barrier | *$21,073* | *Design* | 2020-2022 | 2020-2022 | 2020-2022 |
| Sunnyside Flood Barrier | *$27,900* | *Design* | N/A | N/A | *2021-2023* |
| North West Inner-City - South of Riley Park | *$11,200* | *Design* | 2022-2024 | *2023-2025* | *Beyond 2023* |
| North West Inner-City - Kensington Close | *$2,200* | *Design* | 2022-2024 | *2023-2025* | *Beyond 2023* |
| North West Inner-City - 10th Street[4] | *$10,900* | *Design* | 2021-2023 | *2022-2024* | *Beyond 2023* |
| North West Inner-City -- Crescent Road | *$1,100* | *Design* | 2021-2023 | *2022-2024* | *Beyond 2023* |
| North West Inner-City - 19th Street & 9th Avenue | *$2,100* | *Design* | 2022-2024 | *Beyond 2023* | *Beyond 2023* |
| North West Inner-City - 19th Street & 6th Avenue | *$600* | *Design* | 2022-2024 | *Beyond 2023* | *Beyond 2023* |
| North West Inner-City - 7th Avenue | *$2,000* | *Design* | 2023-2024 | *Beyond 2023* | *Beyond 2023* |
| North West Inner-City - 1st Avenue[4] | *$2,040* | *Design* | 2023-2024 | *Beyond 2023* | *Beyond 2023* |
| Tuxedo/Mount Pleasant - Phase 1, Phase 2, and local Improvements | $14,196 | Study complete -- to be funded | Beyond 2023 | Beyond 2023 | Beyond 2023 |
| North West Inner-City - Pump Station #4 - Hillhurst | $11,700 | Study complete -- to be funded | Beyond 2023 | Beyond 2023 | Beyond 2023 |
| North West Inner-City - Pump Station #3 - Hillhurst | $8,400 | Study complete -- to be funded | Beyond 2023 | Beyond 2023 | Beyond 2023 |
| Pineridge / Rundle Dry Pond B | $4,175 | Study complete -- to be funded | Beyond 2023 | Beyond 2023 | Beyond 2023 |
| Palliser/Oakridge - Phase 1 and 2 | $18,326 | Study complete -- to be funded | Beyond 2023 | Beyond 2023 | Beyond 2023 |
| Pineridge / Rundle Storage Duct #2 | $2,824 | Study complete -- to be funded | Beyond 2023 | Beyond 2023 | Beyond 2023 |
| Macleod Trail Project C – Meadowview Pond | $1,972 | Study complete -- to be funded | Beyond 2023 | Beyond 2023 | Beyond 2023 |
| Shawnessy Stormwater Upgrades | $20,197 | Study complete -- to be funded | Beyond 2023 | Beyond 2023 | Beyond 2023 |
| North West Inner-City - 14th Street | $14,900 | Study complete -- to be funded | Beyond 2023 | Beyond 2023 | Beyond 2023 |
| Macleod Trail Project A – Manchester Yards | $2,692 | Study complete -- to be funded | Beyond 2023 | Beyond 2023 | Beyond 2023 |
| Palliser/Oakridge - Phase 3 | $11,247 | Study complete -- to be funded | Beyond 2023 | Beyond 2023 | Beyond 2023 |
| North West Inner-City - 17th Street & 23rd Avenue | $3,800 | Study complete -- to be funded | Beyond 2023 | Beyond 2023 | Beyond 2023 |
| Oakmount Dry Pond (Oakmont Way Rev Report) | $492 | Study complete -- to be funded | Beyond 2023 | Beyond 2023 | Beyond 2023 |
| **Total** | **$298,605** | | | | |

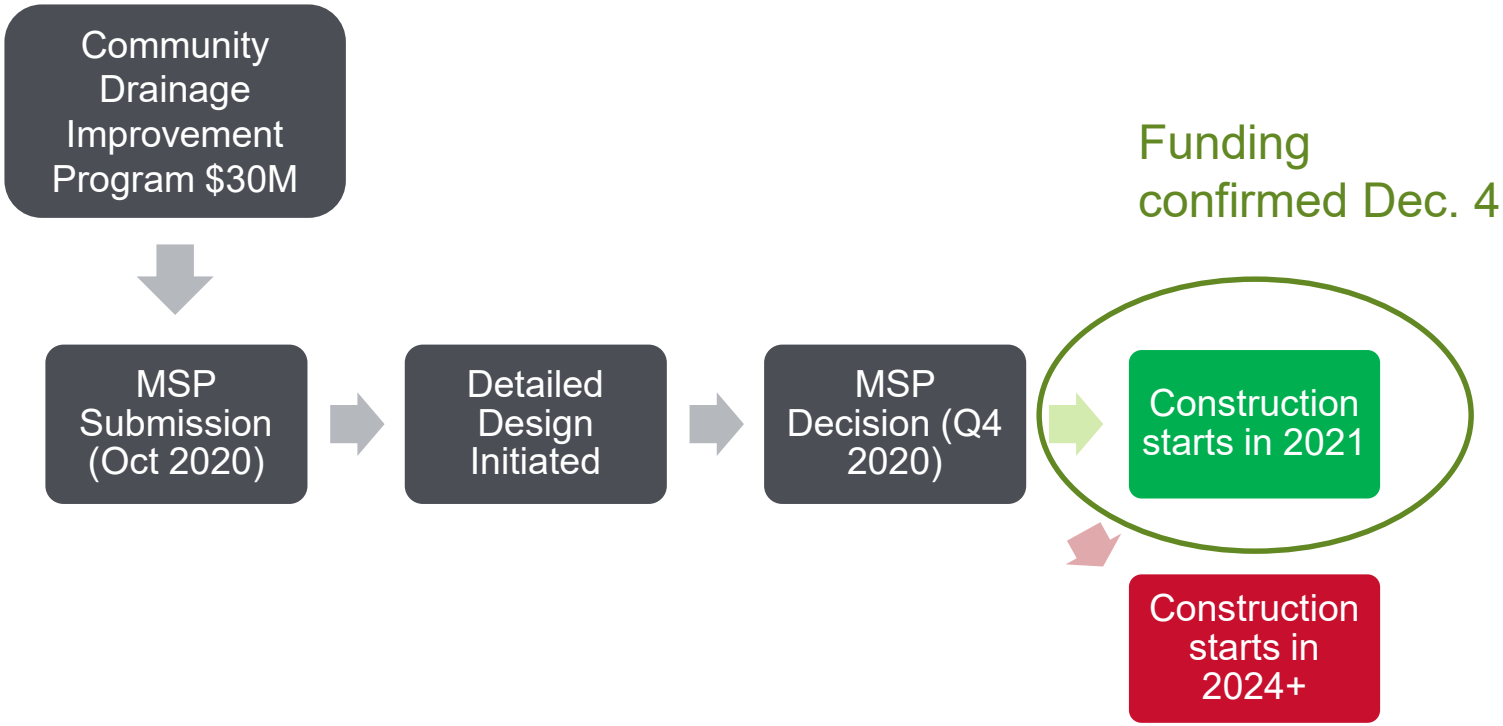
1 – Schedules subject to change based on external funding availability, new studies, and dependencies on other projects

2 -- With funding from ACRP and the New Building Canada Fund.

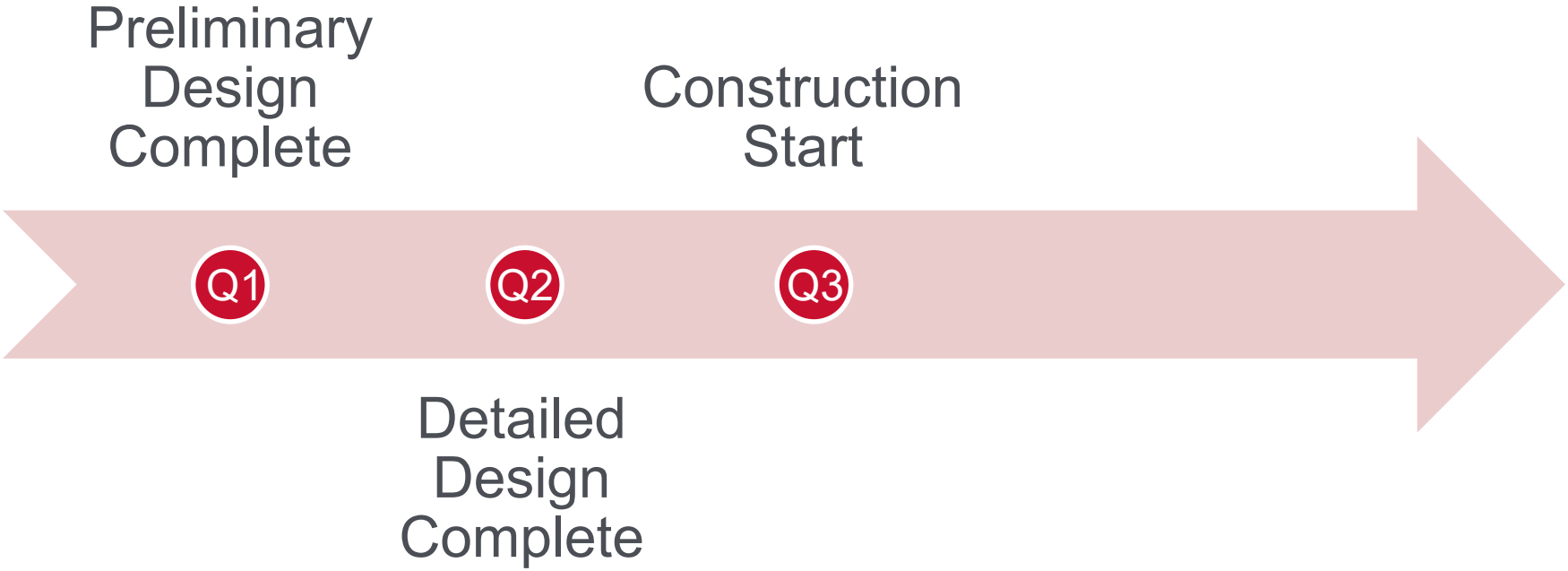
3 -- With funding from ACRP

4 -- These projects are linked via dependency to projects above.

# Calgary Municipal Stimulus Program Submission



# High Level Schedule




- Each of the three projects has a dedicated project manager
- While we will coordinate the construction of the three projects, the construction schedules will be different (complexity, site constraints, etc)

# Next Steps

- Preliminary Design is underway
- Continued dialogue through a Stormwater Task Force (3-4 community members)
  - Water Resources will provide design and budget updates
  - Ongoing Community Updates
  - Information on key Council/budget milestones
- Proposed next meeting: February 2021
- General inquiries: TuxedoCDI@Calgary.ca

# Questions