

DMAF Status Update

June 2023



Outline

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7. Work completed to end of April
8. 2023 DMAF Capital Plan



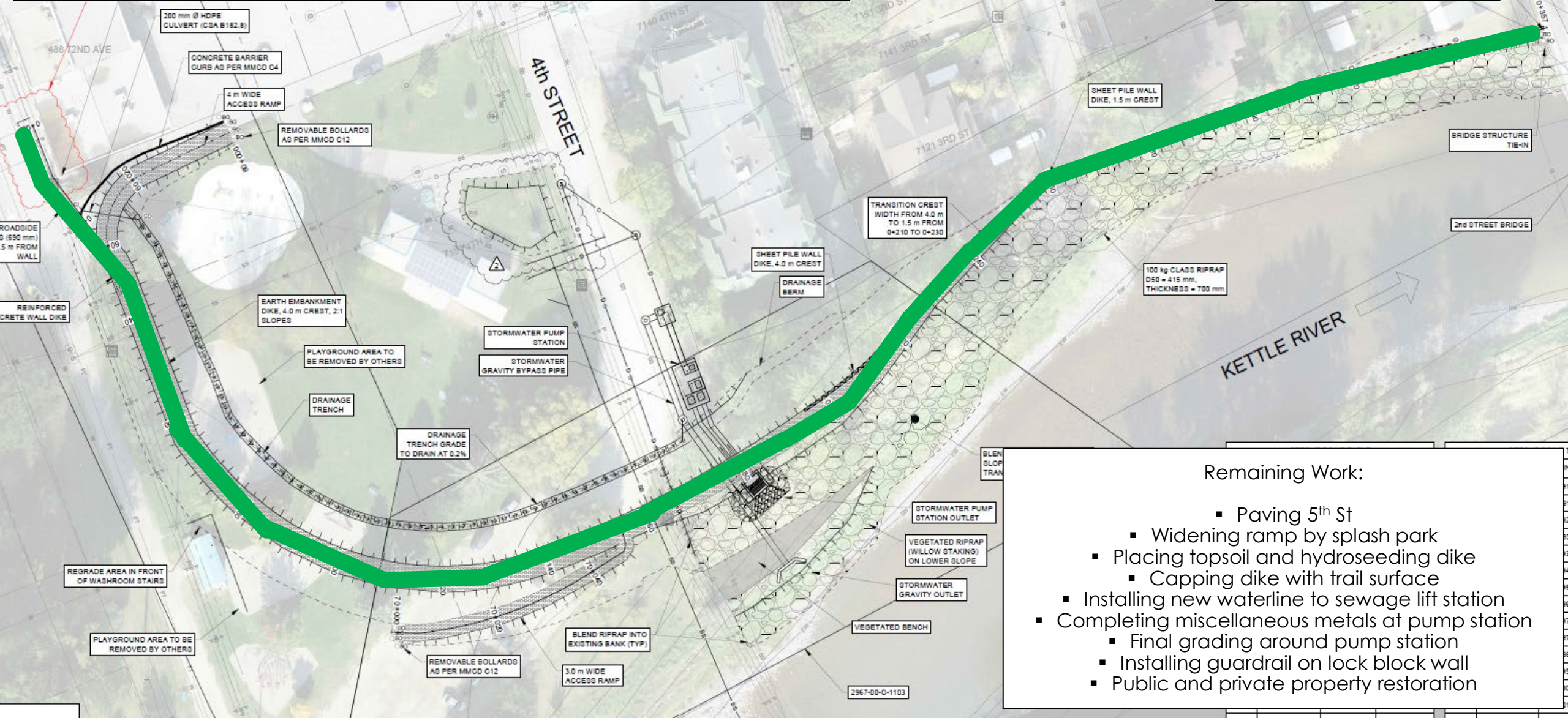
1. Recent Highlights

- A. Reached full dike height (FCL) throughout downtown
- B. Developed downtown pumping plan to get through high water
- C. Built dike access ramps by splash park and Granby River Dental
- D. Regraded City Park and opened splash park
- E. Paved 2nd St and reopened to traffic
- F. Installed chain link fence where Interfor property meets dike
- G. Placed topsoil on North Ruckle dike

2. WP1 Construction Update

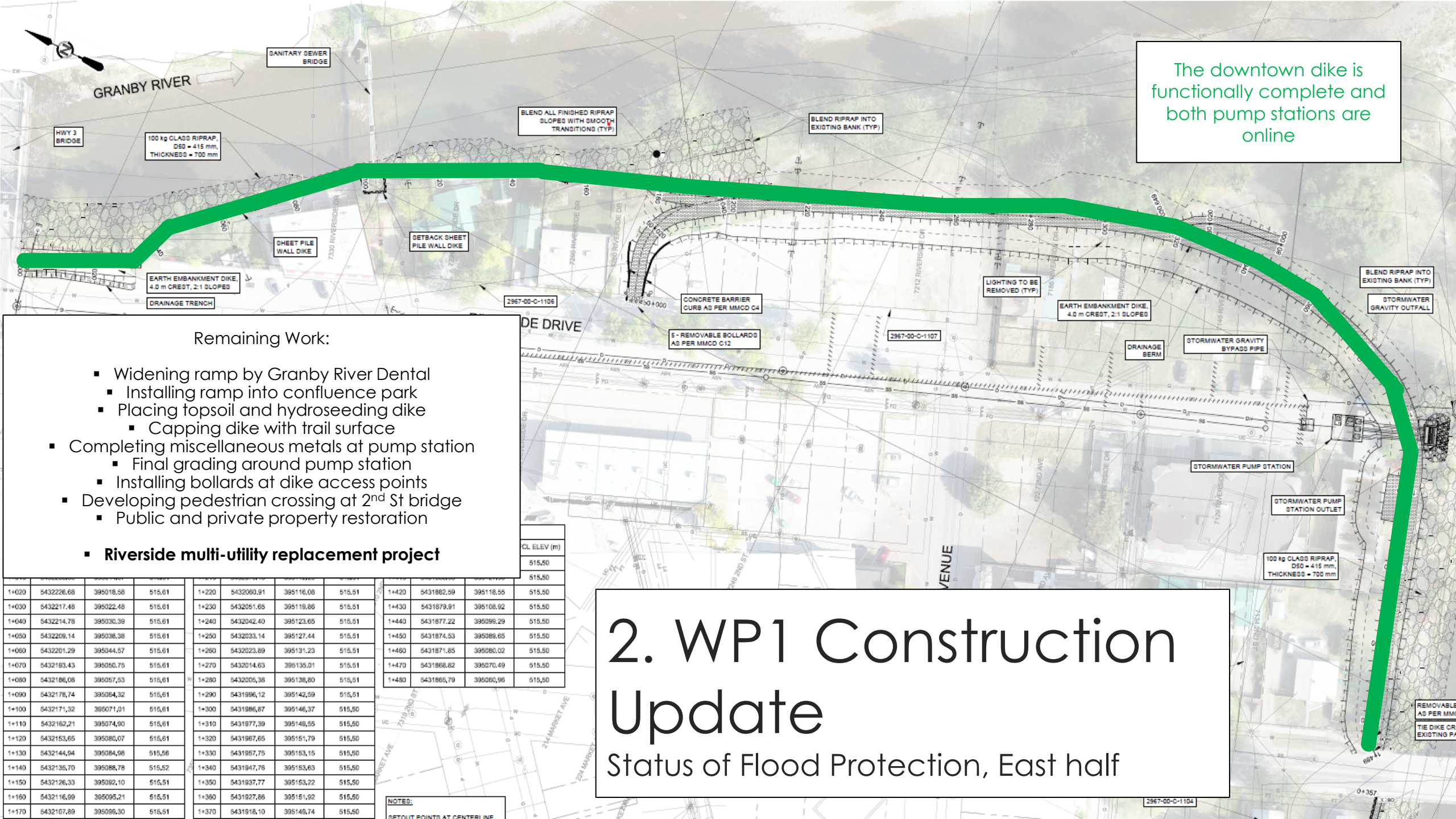
Status of Flood Protection, West half

The downtown dike is functionally complete and both pump stations are online



Remaining Work:

- Paving 5th St
- Widening ramp by splash park
- Placing topsoil and hydroseeding dike
- Capping dike with trail surface
- Installing new waterline to sewage lift station
- Completing miscellaneous metals at pump station
- Final grading around pump station
- Installing guardrail on lock block wall
- Public and private property restoration



The downtown dike is functionally complete and both pump stations are online

Remaining Work:

- Widening ramp by Granby River Dental
 - Installing ramp into confluence park
 - Placing topsoil and hydroseeding dike
 - Capping dike with trail surface
- Completing miscellaneous metals at pump station
 - Final grading around pump station
 - Installing bollards at dike access points
- Developing pedestrian crossing at 2nd St bridge
 - Public and private property restoration
- **Riverside multi-utility replacement project**

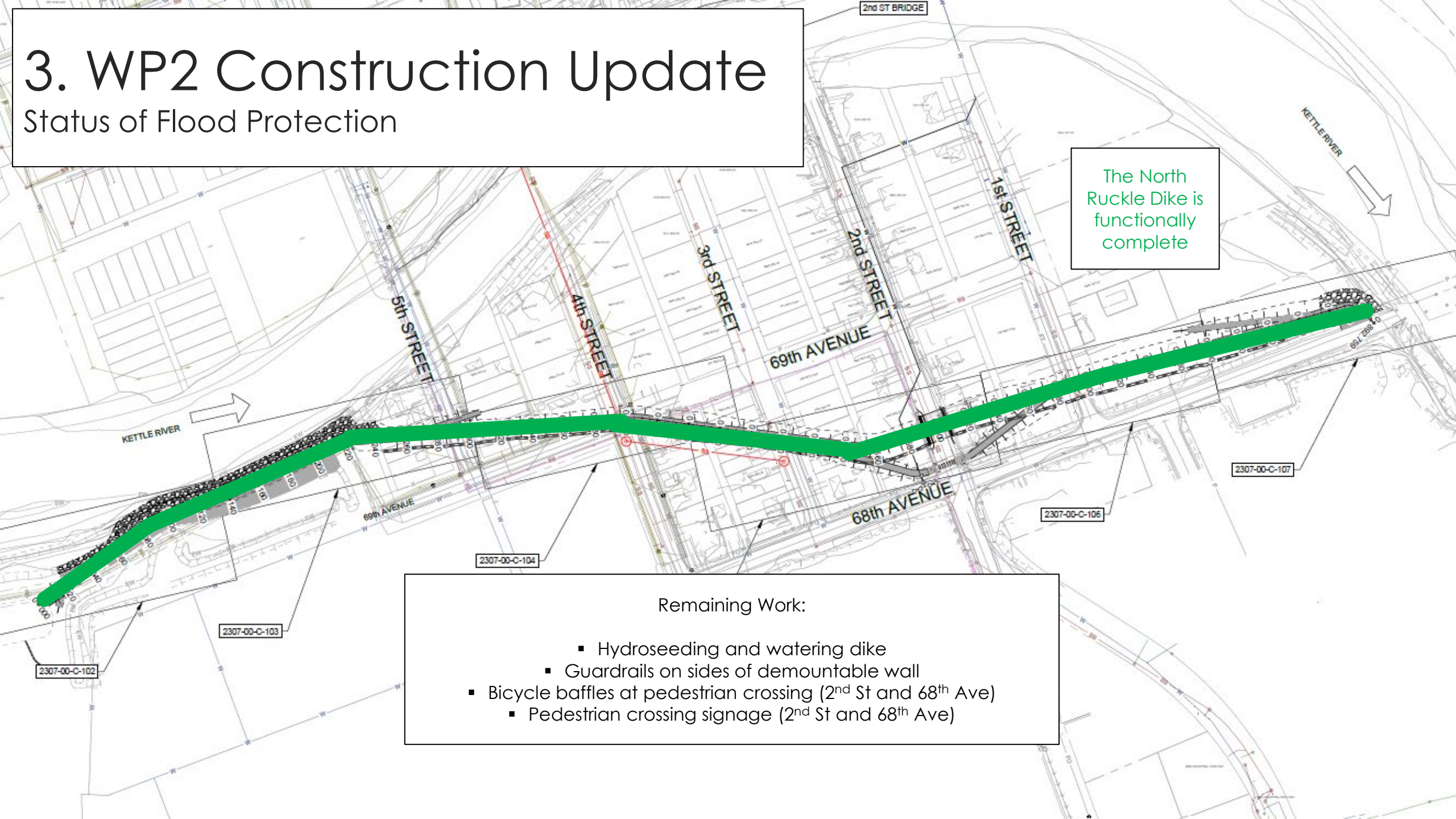
STATION	CHORD DISTANCE	CHORD BEARING	CHORD LENGTH	STATION	CHORD DISTANCE	CHORD BEARING	CHORD LENGTH	STATION	CHORD DISTANCE	CHORD BEARING	CHORD LENGTH
1+020	5432226.68	395018.68	515.61	1+220	5432080.91	395116.08	515.51	1+420	5431862.59	395116.55	515.50
1+030	5432217.48	395022.48	515.61	1+230	5432051.65	395119.86	515.51	1+430	5431879.91	395108.92	515.50
1+040	5432214.78	395030.39	515.61	1+240	5432042.40	395123.65	515.51	1+440	5431877.22	395099.29	515.50
1+050	5432208.14	395038.38	515.61	1+250	5432033.14	395127.44	515.51	1+450	5431874.53	395089.65	515.50
1+060	5432201.29	395044.57	515.61	1+260	5432023.69	395131.23	515.51	1+460	5431871.85	395080.02	515.50
1+070	5432193.43	395050.75	515.61	1+270	5432014.63	395135.01	515.51	1+470	5431868.62	395070.49	515.50
1+080	5432186.08	395057.53	515.61	1+280	5432005.38	395138.80	515.51	1+480	5431865.79	395060.96	515.50
1+090	5432178.74	395064.32	515.61	1+290	5431996.12	395142.59	515.51				
1+100	5432171.32	395071.01	515.61	1+300	5431986.87	395146.37	515.50				
1+110	5432162.21	395074.90	515.61	1+310	5431977.39	395149.55	515.50				
1+120	5432153.65	395080.07	515.61	1+320	5431967.65	395151.79	515.50				
1+130	5432144.94	395084.98	515.56	1+330	5431957.75	395153.15	515.50				
1+140	5432135.70	395088.78	515.52	1+340	5431947.76	395153.63	515.50				
1+150	5432126.33	395092.10	515.51	1+350	5431937.77	395153.22	515.50				
1+160	5432116.99	395095.21	515.51	1+360	5431927.66	395151.92	515.50				
1+170	5432107.89	395098.30	515.51	1+370	5431918.10	395149.74	515.50				

2. WP1 Construction Update

Status of Flood Protection, East half

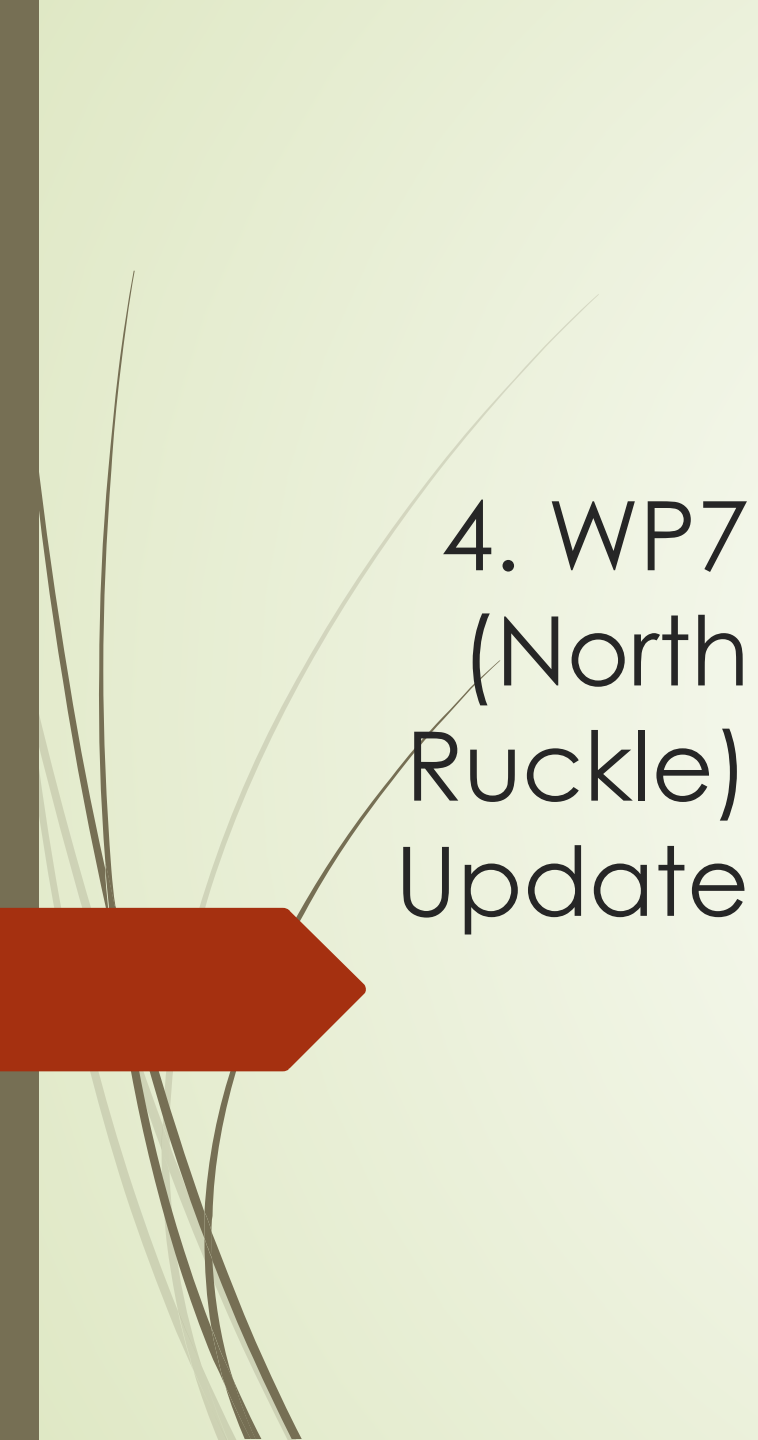
3. WP2 Construction Update

Status of Flood Protection



The North Ruckle Dike is functionally complete

- Remaining Work:
- Hydroseeding and watering dike
 - Guardrails on sides of demountable wall
 - Bicycle baffles at pedestrian crossing (2nd St and 68th Ave)
 - Pedestrian crossing signage (2nd St and 68th Ave)



4. WP7 (North Ruckle) Update

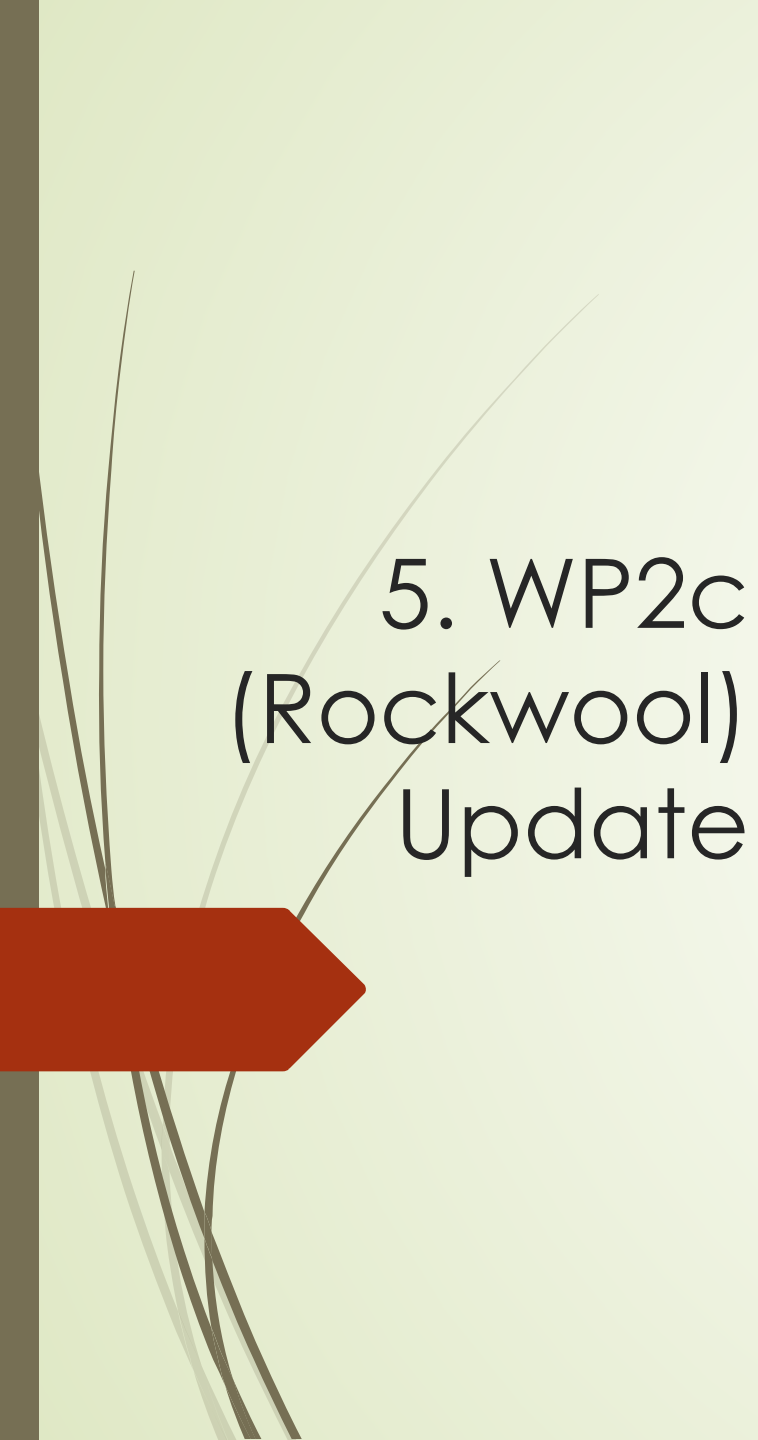
- Grand Forks Fire Rescue completed three live fire burns on 2nd St. A demolition contractor has cleaned up those three burned houses and two other foundations, and will be completing five more during June
- Additional hazmat remediation and demolitions for the remainder of properties are currently out for procurement
- Contract for growing and delivering native plants required for the fish habitat riparian offset areas has been awarded and plants will arrive this fall and next spring.

4. WP7 (North Ruckle) Update

Grand Forks BC flood May 7 2023



North Ruckle showing demolition sites May 7, 2023 (Les Johnson photo)



5. WP2c (Rockwool) Update

- The City's engineers have engaged regulators and started the permitting process
- The City and Rockwool are finalizing right of way and access agreements
- Rockwool, the City and our engineers are coordinating the finalization of design
- The plan is to tender construction of the instream phase of work in late July

6. Costs to Date

Scope	Actuals (to March 31st)
WP1 - Downtown	\$ 18,470,470
WP2 a&b - North Ruckle	\$ 7,362,425
WP 5 - Johnson Flats	\$ 1,850,019
WP 7 - Floodplain Restoration	\$ 133,952
Haz-mat Assessments	\$ 64,299
Demolition	\$ 459,710
Capital Projects Subtotal	\$ 28,340,876
Property (land)	\$ 6,659,339
Property (improvements)	\$ 7,370,785
Add. City Contributions (LAP)	\$ 3,462,264
Property Subtotal	\$ 17,494,888
Additional City Contributions (non-LAP)	\$ 849,620
Grand Total	\$ 46,682,884

7. Work completed to end of April

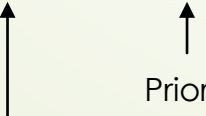
Scope	Preliminary April Costs
WP1 – Downtown, Substantial Completion	\$1,739,480
WP2 a&b - North Ruckle, Substantial Completion	\$363,632
WP2c – Rockwool, Final Design and Permitting	\$0
WP 7 - Floodplain Restoration and Offsetting, Early Work	\$0
Haz-mat Assessments	\$0
Demolition	\$0
Total	\$2,103,112

Grand Total to April 2023:

$$\$46,682,884 + \$2,103,112 = \$48,785,996$$

8. 2023 DMAF Capital Plan

Scope	May	June	July	Aug	Sept	Oct	Nov	Dec	Carry over to 2024	Total
WP1 – Downtown, Final Completion <i>Includes paving, topsoil and hydroseeding in Spring, and Riverside multiutility project in Summer and Fall.</i>	\$ 850,000	\$ 350,000	\$ 200,000	\$ 350,000	\$ 600,000	\$ 700,000	\$ 277,000			\$ 3,327,000
WP2 a&b - North Ruckle, Final Completion <i>Includes paving, topsoil, hydroseeding, and cleanup work</i>	\$ 350,000	\$ 150,000	\$ 149,000							\$ 649,000
Demolition	\$ 50,000	\$ 75,000	\$ 150,000	\$ 250,000	\$ 200,000	\$ 70,842				\$ 795,842
WP 7 – Floodplain Restoration		\$ 190,000	\$ 190,000	\$ 220,000	\$ 240,000	\$ 230,000	\$ 80,000		\$ 174,388	\$ 1,324,388
WP2c – Rockwool, Construction				\$ 150,000	\$ 250,000	\$ 500,000	\$ 500,000	\$ 500,000	\$1,923,000	\$ 3,823,000
WP3 – South Ruckle, Design			\$ 25,000	\$ 50,000	\$ 75,000	\$ 25,000				\$ 175,000
Totals	\$ 1,250,000	\$ 765,000	\$ 714,000	\$ 1,020,000	\$1,365,000	\$1,525,842	\$ 857,000	\$ 500,000	\$2,097,388	\$ 10,094,230


 Prior to tendering construction for WP2c in July, remaining work will be reforecast
 In June, the City will find out if the UBCM grant application was successful (approx. \$1.6m)

Thank
you

