

DMAF Status Update

March 2023



Outline

1. Recent Highlights
2. WP1 Construction Update
3. WP2 Construction Update
4. Costs to Date
5. Current Workplan (to April 2023)
6. Remaining Work (beyond April)
7. 2023 DMAF Capital Plan

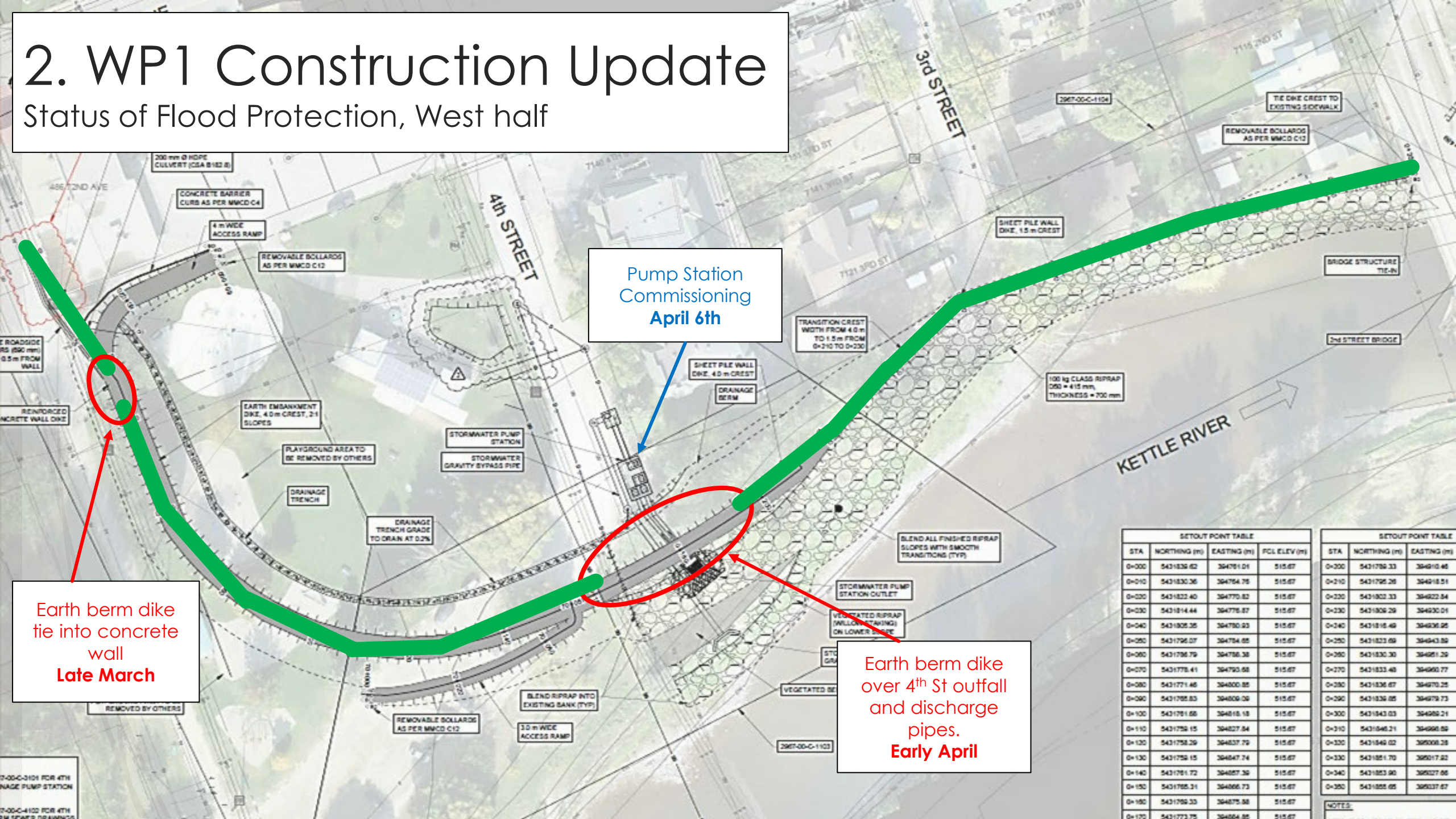


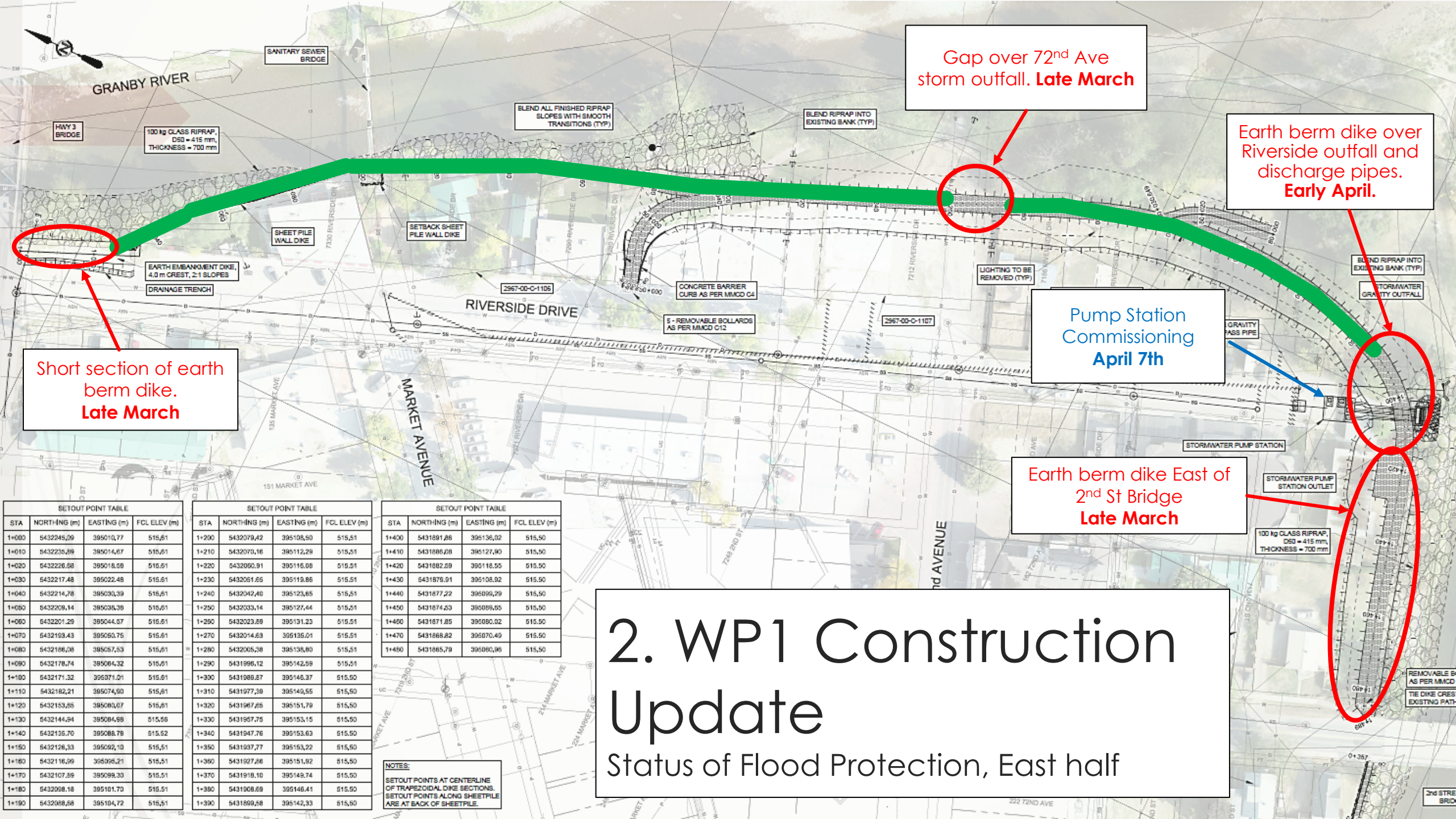
1. Recent Highlights

- A. Built pump station discharge structures x2
- B. Backfilled both pump stations
- C. Removed entire Riverside pump station cofferdam system
- D. Completed sheet piles downtown (sheet piling now complete for WP1 and WP2)
- E. Began removing Granby River temp access road

Status of Flood Protection, West half

Status of Flood Protection, West half





Short section of earth berm dike.
Late March

Gap over 72nd Ave
storm outfall. Late March

Earth berm dike over
Riverside outfall and
discharge pipes.
Early April.

Pump Station
Commissioning
April 7th

Earth berm dike East of
2nd St Bridge
Late March

SETOUT POINT TABLE			
STA	NORTHING (m)	EASTING (m)	FCL ELEV (m)
1+000	5432245.09	395010.77	515.51
1+010	5432235.89	395014.07	515.51
1+020	5432226.68	395018.09	515.51
1+030	5432217.48	395022.48	515.51
1+040	5432214.78	395030.39	515.51
1+050	5432208.14	395035.38	515.51
1+060	5432201.29	395044.67	515.51
1+070	5432193.43	395050.75	515.51
1+080	5432186.08	395057.53	515.51
1+090	5432178.74	395064.32	515.51
1+100	5432171.32	395071.01	515.51
1+110	5432162.21	395074.90	515.51
1+120	5432153.85	395080.07	515.51
1+130	5432144.94	395084.88	515.50
1+140	5432135.70	395088.78	515.52
1+150	5432126.33	395092.10	515.51
1+160	5432116.99	395095.21	515.51
1+170	5432107.89	395099.30	515.51
1+180	5432098.18	395101.70	515.51
1+190	5432088.58	395104.72	515.51

SETOUT POINT TABLE			
STA	NORTHING (m)	EASTING (m)	FCL ELEV (m)
1+200	5432079.42	395108.50	515.51
1+210	5432070.16	395112.29	515.51
1+220	5432060.91	395116.08	515.51
1+230	5432051.65	395119.86	515.51
1+240	5432042.40	395123.65	515.51
1+250	5432033.14	395127.44	515.51
1+260	5432023.89	395131.23	515.51
1+270	5432014.63	395135.01	515.51
1+280	5432005.28	395138.80	515.51
1+290	5431996.12	395142.59	515.51
1+300	5431986.87	395146.37	515.50
1+310	5431977.30	395149.55	515.50
1+320	5431967.85	395151.79	515.50
1+330	5431957.78	395153.15	515.50
1+340	5431947.76	395153.63	515.50
1+350	5431937.77	395153.22	515.50
1+360	5431927.88	395151.92	515.50
1+370	5431918.10	395149.74	515.50
1+380	5431908.69	395146.41	515.50
1+390	5431899.58	395142.33	515.50

SETOUT POINT TABLE			
STA	NORTHING (m)	EASTING (m)	FCL ELEV (m)
1+400	5431891.86	395136.02	515.50
1+410	5431886.08	395127.90	515.50
1+420	5431882.89	395118.55	515.50
1+430	5431878.91	395108.92	515.50
1+440	5431877.22	395099.29	515.50
1+450	5431874.23	395089.55	515.50
1+460	5431871.85	395080.02	515.50
1+470	5431868.82	395070.49	515.50
1+480	5431865.79	395060.96	515.50

NOTES:
SETOUT POINTS AT CENTERLINE
OF TRAPEZOIDAL DIKE SECTIONS.
SETOUT POINTS ALONG SHEETPILE
ARE AT BACK OF SHEETPILE.

2. WP1 Construction Update

Status of Flood Protection, East half



2. WP1 Construction Update

Granby Sheet Piling





2. WP1 Construction Update

Granby Road Removal





2. WP1 Construction Update

Riverside Pump Station





2. WP1 Construction Update

Kettle River Dike





2. WP1 Construction Update

4th St Pump Station





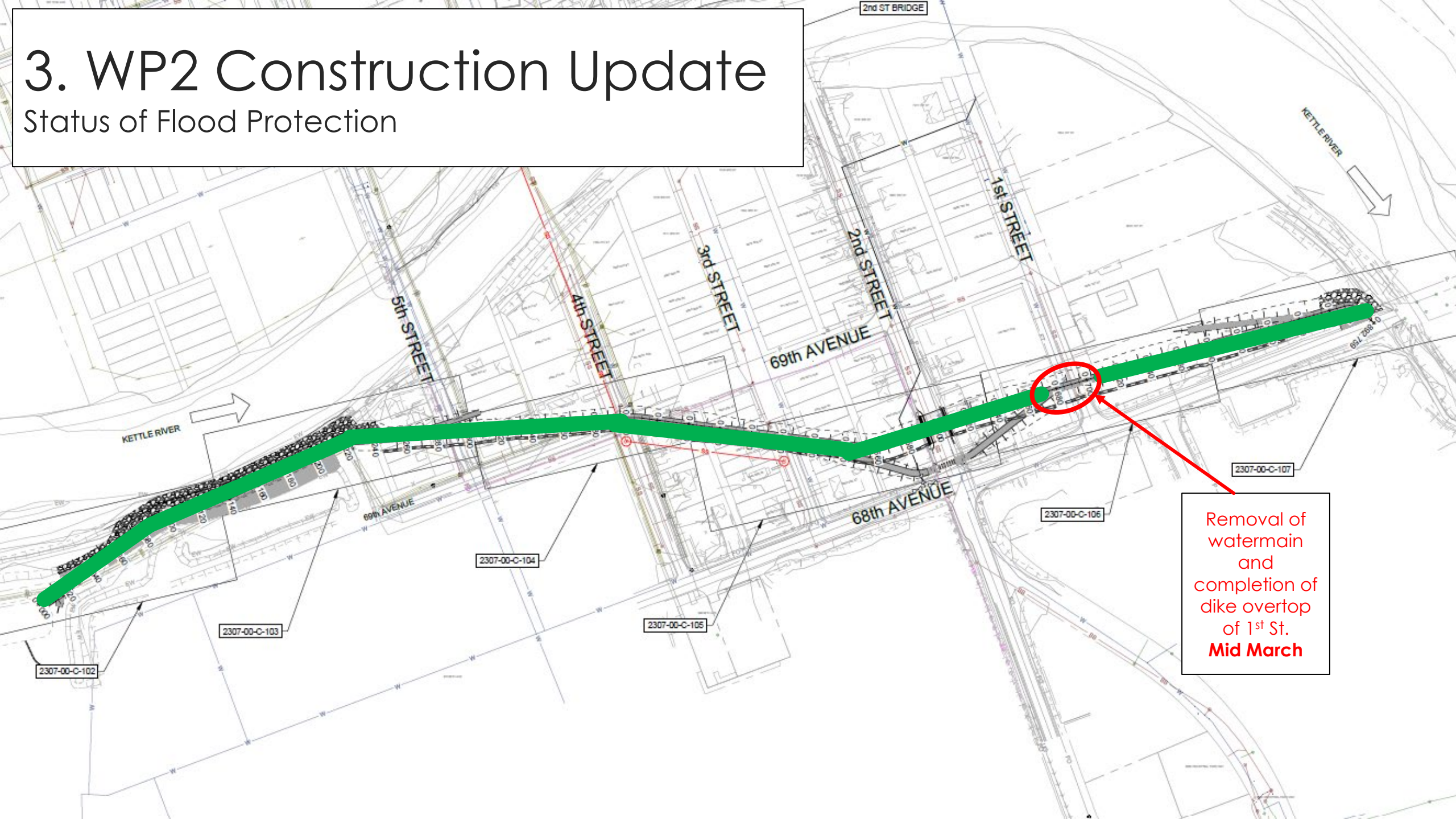
2. WP1 Construction Update

Cofferdam Removal



3. WP2 Construction Update

Status of Flood Protection





3. WP2 Construction Update

2nd St Demountable Wall





3. WP2 Construction Update

Interfor Sheet pile dike



4. Costs to Date

Scope	Actuals (to Jan 31st)
WP1 - Downtown	\$ 16,149,112
WP2 a&b - North Ruckle	\$ 7,091,203
WP 5 - Johnson Flats	\$ 1,850,019
WP 7 - Floodplain Restoration	\$ 118,291
Haz-mat Assessments	\$ 54,149
Demolition	\$ 452,265
Capital Projects Subtotal	\$ 25,715,039
Property (land)	\$ 6,659,339
Property (improvements)	\$ 7,370,785
Add. City Contributions (LAP)	\$ 3,464,764
Property Subtotal	\$ 17,494,888
Additional City Contributions (non-LAP)	\$ 776,780
Grand Total	\$ 43,986,707

5. Current Workplan (to April 2023)

Scope	Forecast (Feb to April)
WP1 – Downtown, Substantial Completion	\$4,768,812
WP2 a&b - North Ruckle, Substantial Completion	\$1,021,199
WP2c – Rockwool, Final Design and Permitting	\$50,000
WP 7 - Floodplain Restoration and Offsetting, Early Work	\$90,000
Haz-mat Assessments	\$20,508
Demolition	\$0
Total	\$5,950,519

Projected Grand Total to April 2023:

$$\$43,986,707 + \$5,950,519 = \$49,937,226$$

This milestone will protect 77% of the \$98 million in assessed value in the floodplain from a flood similar to 2018

6. Remaining Work (beyond April)

Scope	Status (from Feb 7 th table)	Proposed Plan for 2023
WP1 – Downtown, Final Completion	Forecast to cost \$2,327,000. Must be completed in 2023	Complete by end of 2023
WP2 a&b - North Ruckle, Final Completion	Forecast to cost \$449,000. Must be completed in 2023	Complete by end of 2023
WP2c – Rockwool, Construction	Forecast to cost \$3,823,000 City pursuing separate DFA funding for this project	<u>DFA funding of \$1.38million approved.</u> Begin construction mid 2023. Complete in 2024
WP3 – South Ruckle	Design to inform updated budget	Commence design summer 2023
WP4 - Granby	Design to inform updated budget	Not in proposed 2023 workplan
WP6 – Rural Riparian	Design to inform updated budget	Not in proposed 2023 workplan
WP 7 – Floodplain Restoration	Design to inform updated budget City pursuing UBCM grant for this project	Design complete. Commence work Spring 2023 and complete Spring 2024. Current Budget \$1.54 million
Demolition	On hold pending hazmat assessments and Council direction	Commence Spring 2023 and complete by end of the year

7. 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>	\$ 250,000	\$ 150,000	\$ 100,000	\$ 250,000	\$ 600,000	\$ 700,000	\$ 277,000			\$ 2,327,000
WP2 a&b - North Ruckle, Final Completion <i>Includes paving, topsoil, hydroseeding, and cleanup work</i>	\$ 250,000	\$ 150,000	\$ 49,000							\$ 449,000
Demolition	\$ 50,000	\$ 75,000	\$ 150,000	\$ 250,000	\$ 250,000	\$ 70,842				\$ 845,842
WP 7 – Floodplain Restoration		\$ 190,000	\$ 190,000	\$ 220,000	\$ 240,000	\$ 230,000	\$ 80,000		\$ 182,942	\$ 1,332,942
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	\$ 550,000	\$ 565,000	\$ 514,000	\$ 920,000	\$1,415,000	\$1,525,842	\$ 857,000	\$ 500,000	\$2,105,942	\$ 8,952,784

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

Thank
you

