

Core Area Infrastructure Master Plan

January 29, 2018

City Hall

City of West Fargo

master plan

noun [C] • **UK**  /'mɑː.stəˌplæn/ **US**  /'mæs.təˌplæn/

- ★ an organized set of decisions made by one person or a team of people about how to do something in the future

Master Planning

- Purpose of the master plan is to guide the City through redevelopment and reconstruction,
- Provides Macroscopic evaluation of major trunk systems,
- Accounts for changes of how the City uses infrastructure from the past to the future.



What do we have,
What do we Need,
How do we get there,
Plan for future.



Project Prioritization,
Maximize
infrastructure lifespan,
Public Information,



Plan Objectives



A Master Plan is an invaluable tool to ensure investments to our community are systematic, justifiable, and prioritized.

- Address defects in our aging infrastructure,
 - Address critical issues before they become emergencies,
 - Maximize infrastructure lifespan,
- Reduce inefficiency and redundancy,
- Prioritized list of Projects,
- Analyze funding sources,
- Transparent to public.

Priority Grade	Project Status	District	Project Description	Construction Multi Year	Project Type	WF Share Total Cost	WF% Assess
Const Yr 2018							
Storm							
	Design	4063	The Wilds South Storm Sewer Lift Station (SM 73)		New	\$1,925,000	100%
	Preliminary		Halverson Pond		New	\$343,750	100%
	Preliminary		Storm Sewer Lift Station Rehabilitation (SM 20/21/22/30)		Replacement	\$1,331,000	
	Future		Storm Sewer Lift Rehabilitation - 620L Main Ave E (SM 64)		Maintenance	\$26,620	
	Future		Integrity Pond Expansion		Replacement	\$0	
Development							
	Construction	1307	North Pond at The Preserve 10th Addition - Duluth Trading Company (6th St W Extension)		New	\$19,965	5%
	Preliminary		Eaglewood 7th Addition		New	\$1,650,000	100%
	Preliminary	1314	Eagle Run Plaza 6th Addition		New	\$1,031,250	100%
	Future		The Wilds 10th Addition		New	\$2,750,000	100%
	Future		North Pond at The Preserve 12th Addition		New	\$412,500	100%
	Future		Brooks Harbor Church Site		New	\$1,100,000	100%
	Future		Westview 3rd Addition		New	\$1,237,500	100%
	Future	1306	Gateway West Addition		New	\$133,100	5%
Pedestrian							
	Preliminary		Drain 45 Multi-Use Path (RTP)		New	\$475,388	
	Preliminary	6054	2018 Walks		Maintenance	\$412,500	80%
	Future		Bicycle Corridor - Sheyenne St or 1st St E		New	\$0	



Scope of Work

- **Water, sewer, and storm infrastructure inventory and condition.** Entered into our asset management system,
- **City Wide Water distribution system modeling to determine existing and future need,**
 - Calibrate existing model,
 - Identify system inadequacies,
 - Identify improvement alternatives. For existing and future conditions,
- **Storm Sewer System Modeling to address storage need and minimize localized flooding,**
 - Sheyenne River Model,
 - Downtown Redevelopment Model.
- **Evaluation and Prioritize Infrastructure Improvements,**
 - Develop ranking system and matrix,
 - Develop Improvement Corridors,
- **Cost Estimates,**
- **Financing Options,**
- **Final Report.**

