

JCW Brush Creek Pump Station Improvements

June 22 – 26, 2026



Introductions & Safety

- Introductions
- Safety Moment

Project Background

- Aging Infrastructure
- Future PEFTF Removal as part of Integrated Plan
- Previous and active coordination with Prairie Village
 - Easement & property acquisitions developed (not yet executed)

Project Scope

- New PS facility (Preliminary Design)
 - Design peak flow capacity of 5.5 MGD, utilizing existing 16" forcemain for next 15 years
 - Design to accommodate future capacity of ~20 MGD
 - TDH = 180 feet, pump selection – 2.75 mgd pumps (2 firm, 1 spare)
 - Screening – assumed (alternatives allowed)
 - Odor Control – Carbon Scrubber and Bioxide (alternatives allowed)
 - Electrical Room – Two electrical feeds to Site
 - Aesthetics – park facilities, surrounding residences, coordination with Prairie Village
 - Creek access for City

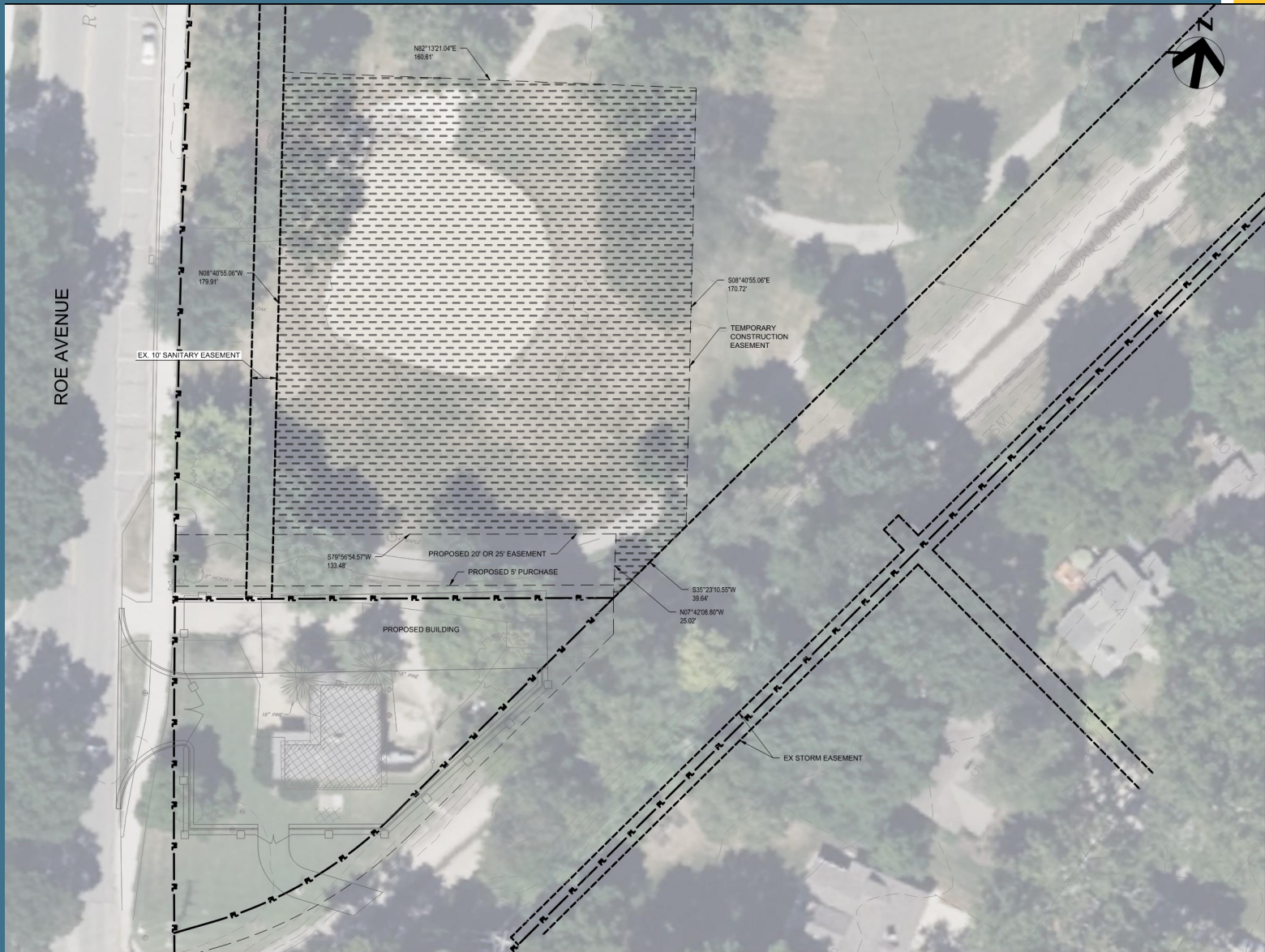
Elevations – the following are key design elevations:

Top of concrete	= 938.0 +/-
100 Year Flood	= 936.0 +/-
Ground Elev	= 937.0 +/-
Invert of Influent Sewer	= 923.0 +/-
Floor of Wetwell	= 916.0 +/-
Rock*	= 916.0 +/-

Proposed Site and Floor Plan



Pump Station Temporary Construction Easement (1.5 to 2-year construction)



Project Concerns

- Proximity to Public: Homes and Park
- Trail access by residents
- Minimizing disruptions to residents
- Coordination with future capacity upgrades
- City involvement
- Overflows can backup residents and Brush Creek

Schedule

■ Brush Creek PDB Procurement/Project Schedule

Milestone	2026		2027						2028				2029				2030	
Month	11	12	1	2	3	4-6	7-9	10-12	1-3	4-6	7-9	10-12	1-3	4-6	7-9	10-12	1-3	4-6
BOCC Approval																		
Issue RFQ (11/4/2026)																		
Issue RFP (12/17/2026)																		
Interviews (2/15/2027)																		
DB Selection (2/22/2027)																		
Notice to Proceed (April 2027)																		
Design (~18 months)																		
Construction (~18 months)																		

*All dates subject to change

Questions?