

West End – Lower Bluff Lift Station & Sanitary Sewer Forcemain SEWER-24-001

Feasibility Report Presentation
March 16, 2021

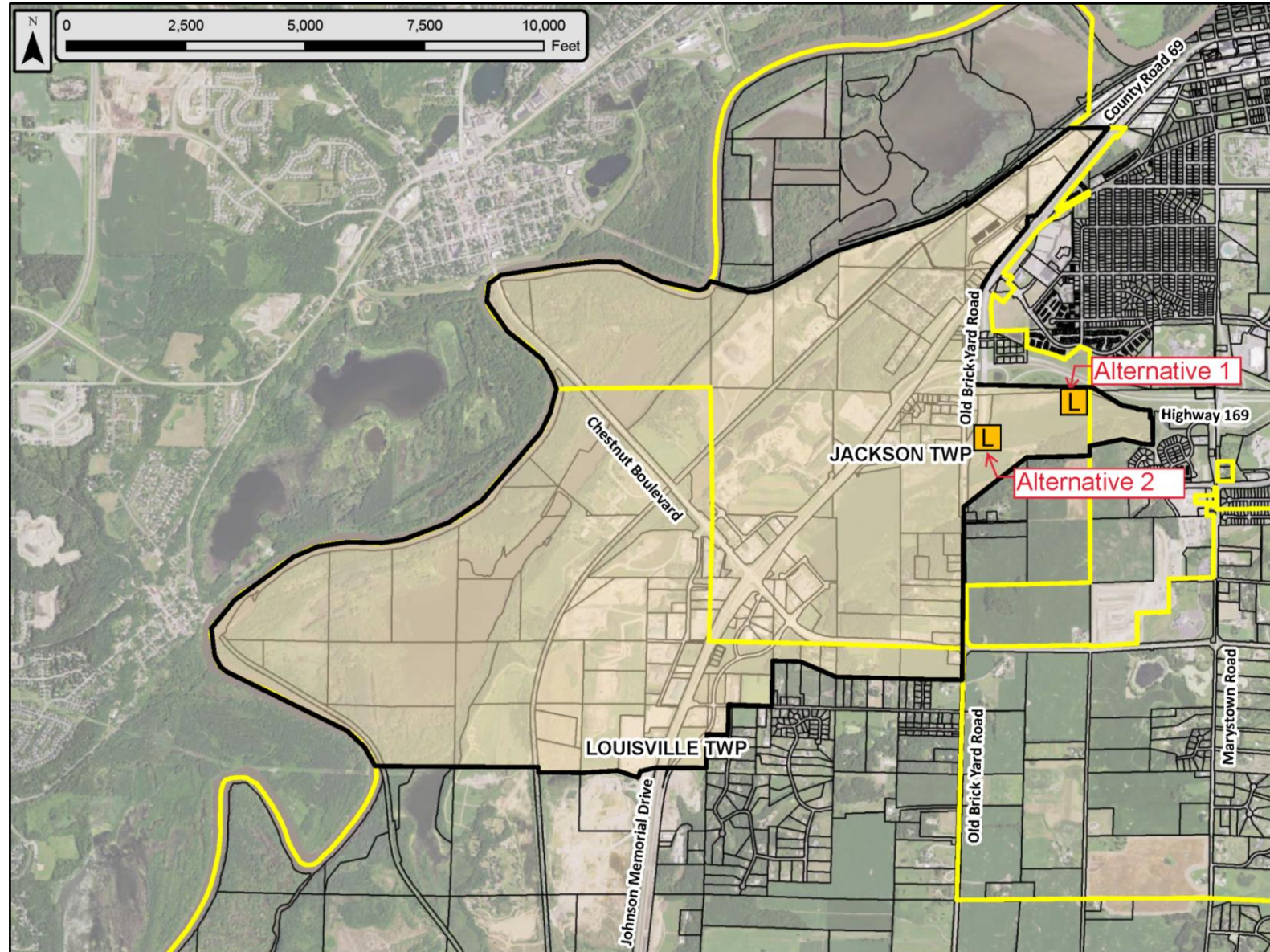


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City of Shakopee | 485 Gorman St., Shakopee MN 55379 | 952-233-9300 | www.ShakopeeMN.gov

Project Location & Service Area



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Capital Improvement Program

- City Initiated Program
- Sanitary Sewer Fund & Special Assessments
- Construction of New Sanitary Sewer Infrastructure
- West End (Low Bluff) Lift Station & Forcemain Sewer-24-001



Capital Improvement Plan

2021 thru 2025

City of Shakopee, Minnesota

Project #Sewer-24-001

Project NameWest End (Low Bluff) Lift Station and Forcemain

TypeImprovement

Useful Life50

CategorySanitary Sewer

Accounting Code

FundSanitary Sewer Fund

DepartmentSanitary Sewer Fund

ContactPublic Works Director

Priority2 Important-Provide Efficiencies/

StatusActive

Description

Total Project Cost: \$1,756,000

The 2019 Sanitary Sewer Master Plan identifies a lift station and forcemain system to serve the West End Development within the low bluff area.

Justification

West end development will require the expansion of the trunk sanitary sewer system.

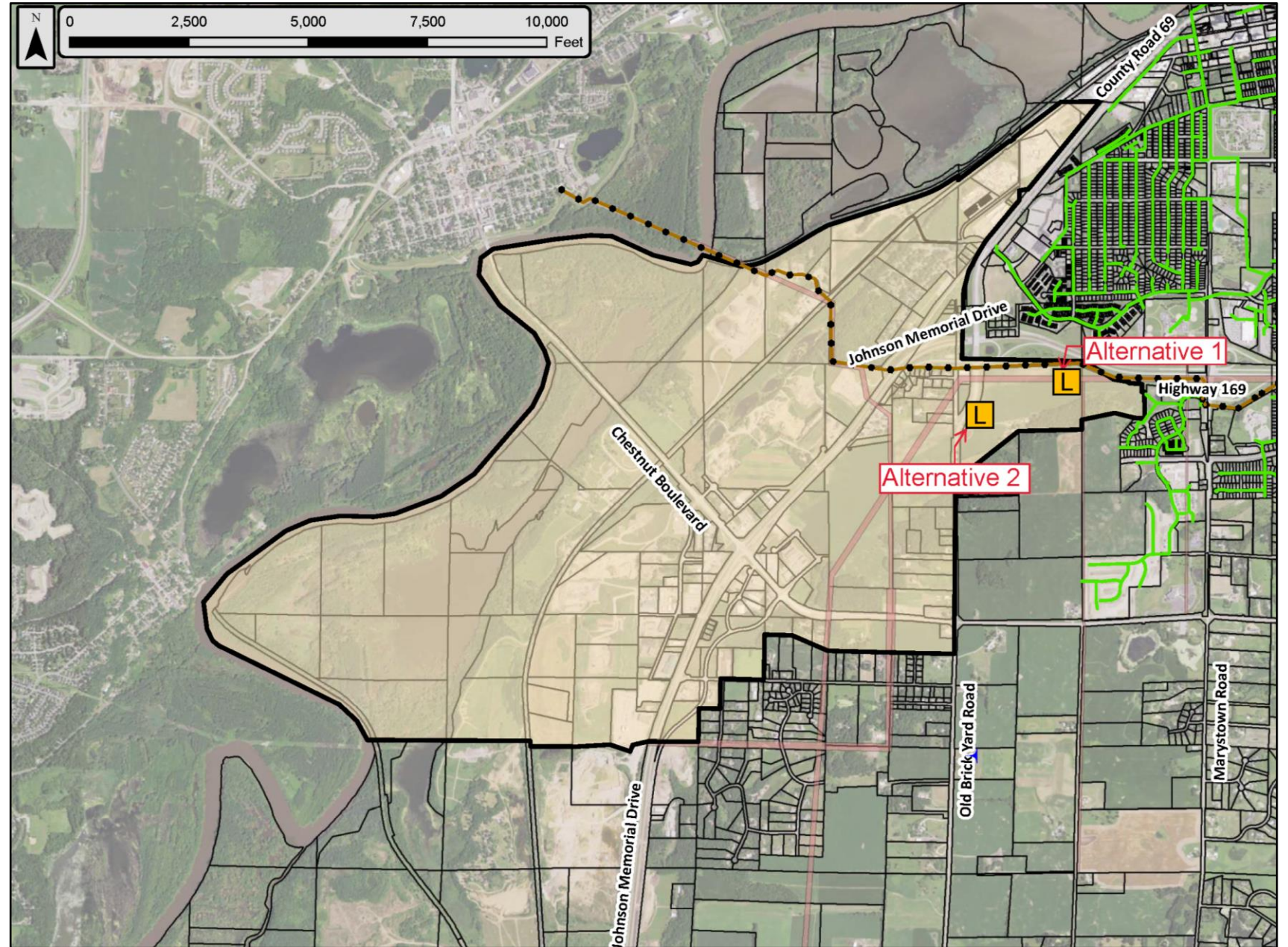
Prior	Expenditures	2021	2022	2023	2024	2025	Total
70,000	Land Acquisition & ROW	556,000					556,000
	Improvements		960,000				960,000
Total	Engineering/Administration	170,000					170,000
	Total	726,000	960,000				1,686,000

Prior	Funding Sources	2021	2022	2023	2024	2025	Total
70,000	Sanitary Sewer Fund	226,000	160,000				386,000
	Special Assessments	500,000	800,000				1,300,000
Total	Total	726,000	960,000				1,686,000

Budget Impact/Other

Existing Conditions

- Study Area = ~2,700 Acres
- Mix of rural residential, mobile home communities, commercial, industrial, open space, and agriculture uses
- Bluff
- Windermere Development

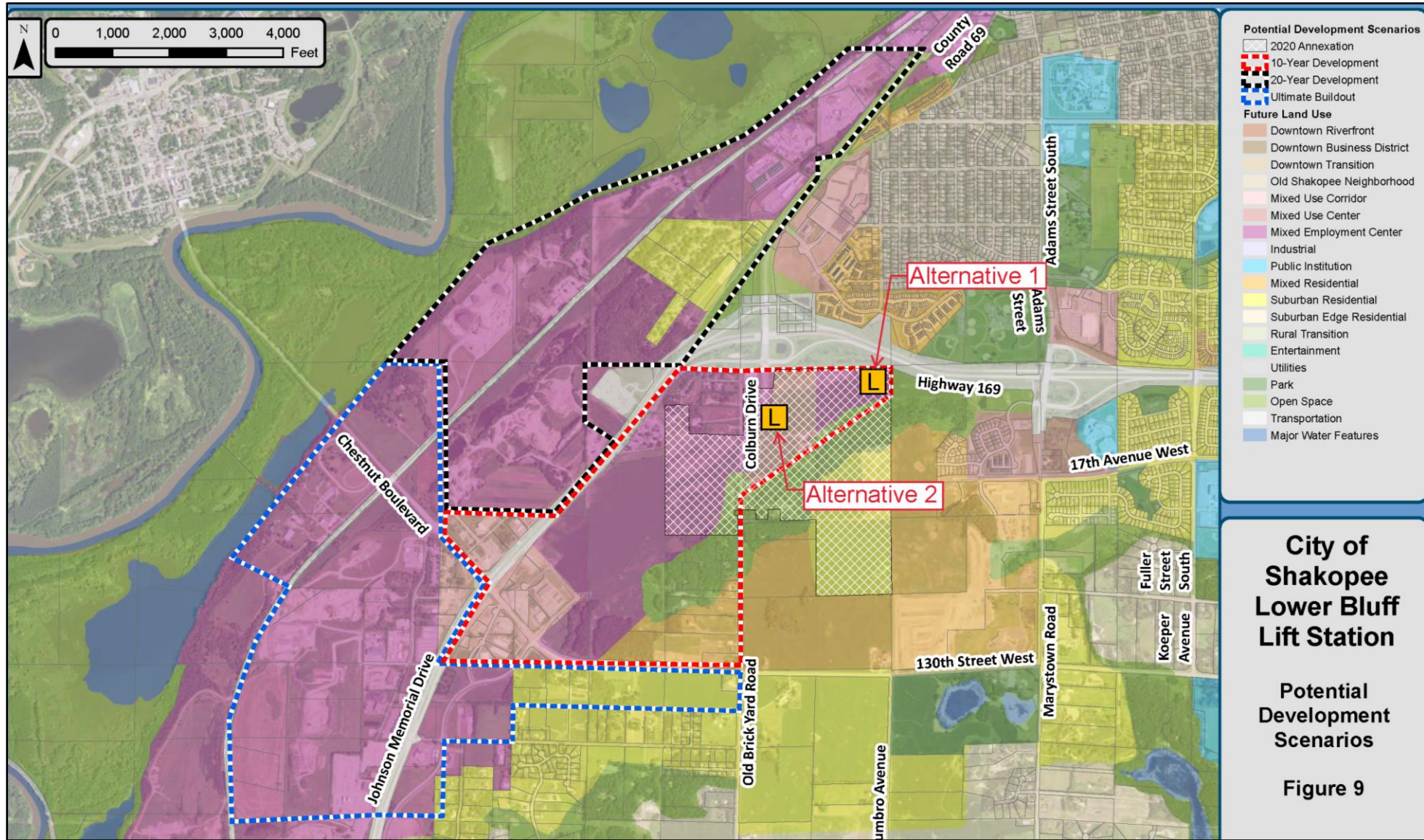


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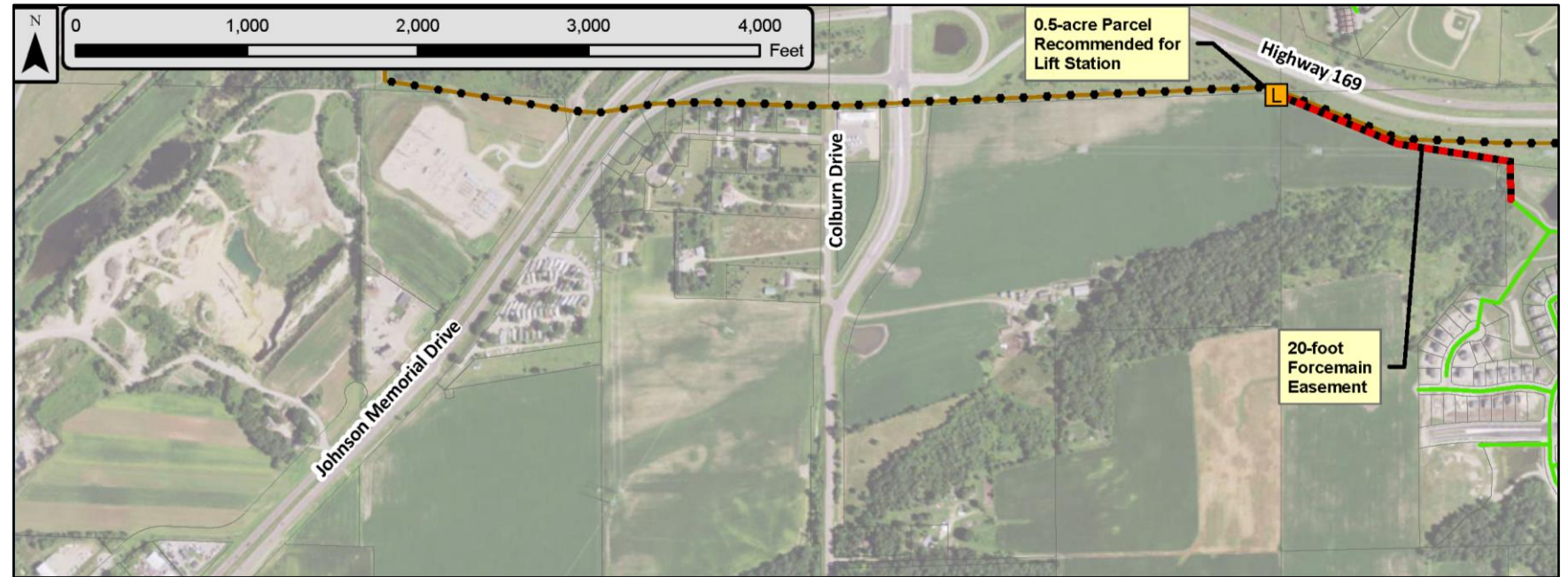
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Future Conditions

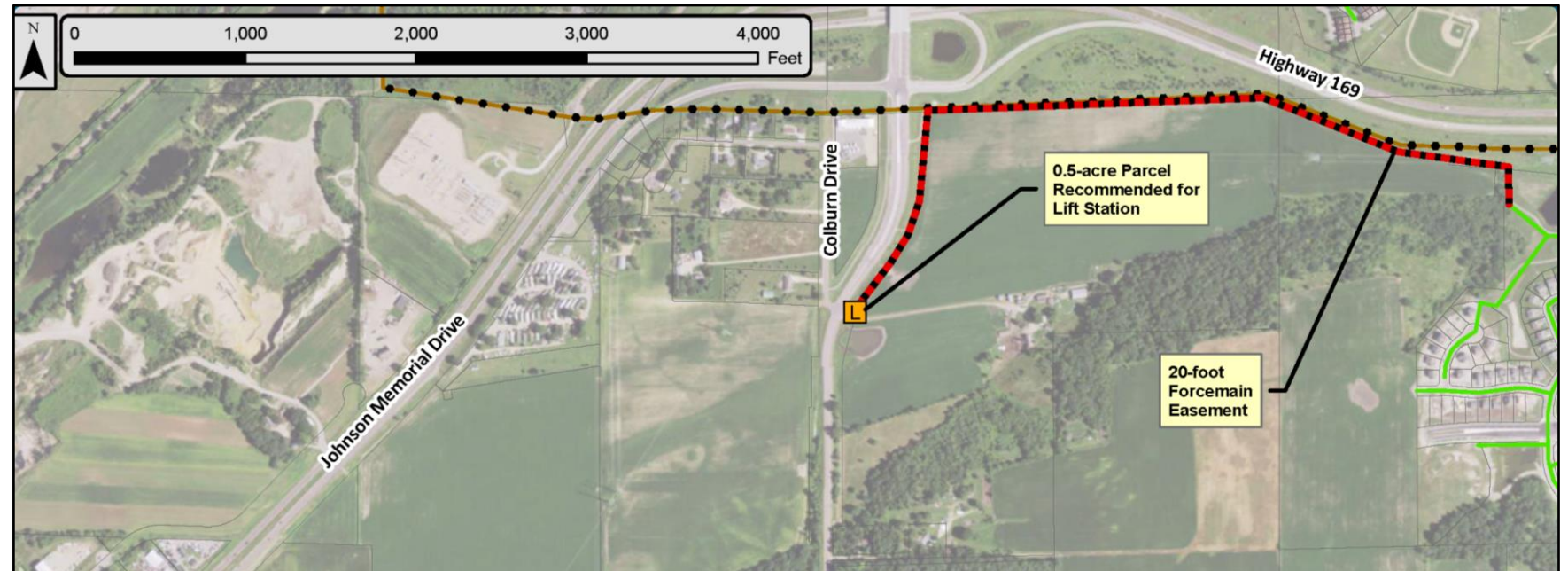


Proposed Improvements

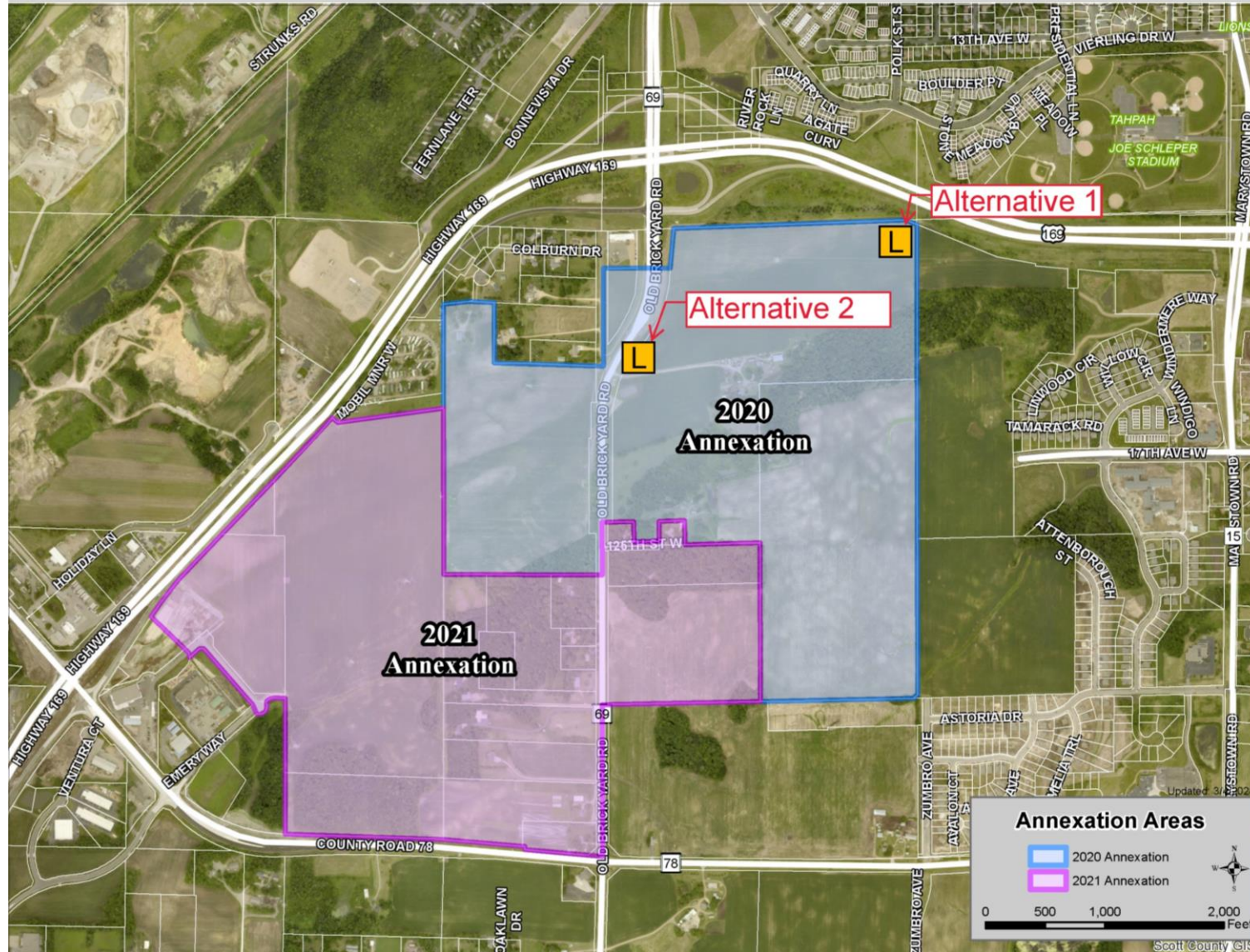
Alternative 1



Alternative 2



Annexation Map



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Cost Estimate

	CIP	Feasibility Study	
	Budget	Alt. 1 Estimate	Alt. 2 Estimate
COSTS			
Construction Cost	\$870,000	\$675,250	\$923,500
Contingency	\$90,000	\$90,000	\$90,000
Easement Acquisition	\$556,000	\$100,000	\$150,000
Subtotal	\$1,516,000	\$865,250	\$1,163,500
Eng/Admin/Legal	\$240,000	\$220,000	\$275,000
Total Estimated Project Cost	\$1,756,000	\$1,085,250	\$1,438,500
FUNDING			
Sanitary Sewer Fund	\$1,756,000	\$1,085,250	\$1,438,500
Total Funding	\$1,756,000	\$1,085,250	\$1,438,500

- Net Developable Area = 1,154 Acres
- Alternative 1 = \$940/Acre
- Alternative 2 = \$1,246/Acre
- Total Cost Recovery



Preliminary Project Schedule

- Alternative 1
 - Developer Driven
- Alternative 2
 - Land Acquisition & Design 2021/2022
 - Construction late fall 2022/2023