

STATE HOUSING BILL 2001 IBTER - OVERVIEW

CITY IBTER APPLICATION RESULTS, JUNE 8, 2021

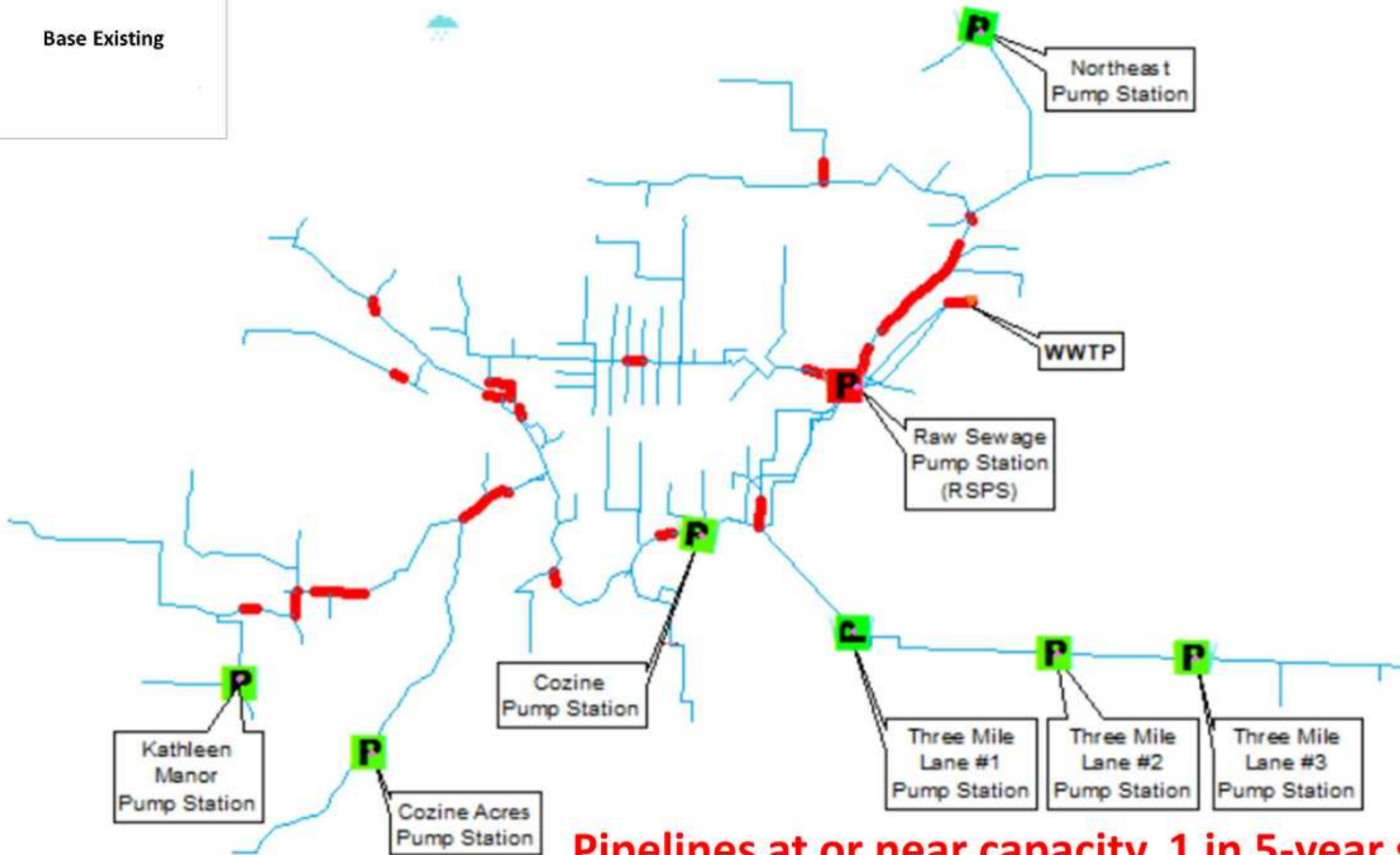
Added on 06/09/2021



SCENARIO OVERVIEW

- **Scenarios – Sanitary Sewer**
 - Existing Dwelling Units Only
 - Existing + New Development (+1600 units)
 - Existing + New Development + Middle Housing (House Bill 2001)
 - 3-percent max increase for single family in underdeveloped areas by 2023
 - 1-percent max increase for single family in develop areas by 2023
- Alternatives for improvements may include capacity upgrades or additional wet weather flow reduction (I&I reduction program)
- Preliminary Results – Modeling work may not include recent projects to reduce wet weather flow risks
- Upcoming Collection System Master Plan (2021-2022) – Model will be refined to reflect current system capacity

Base Existing



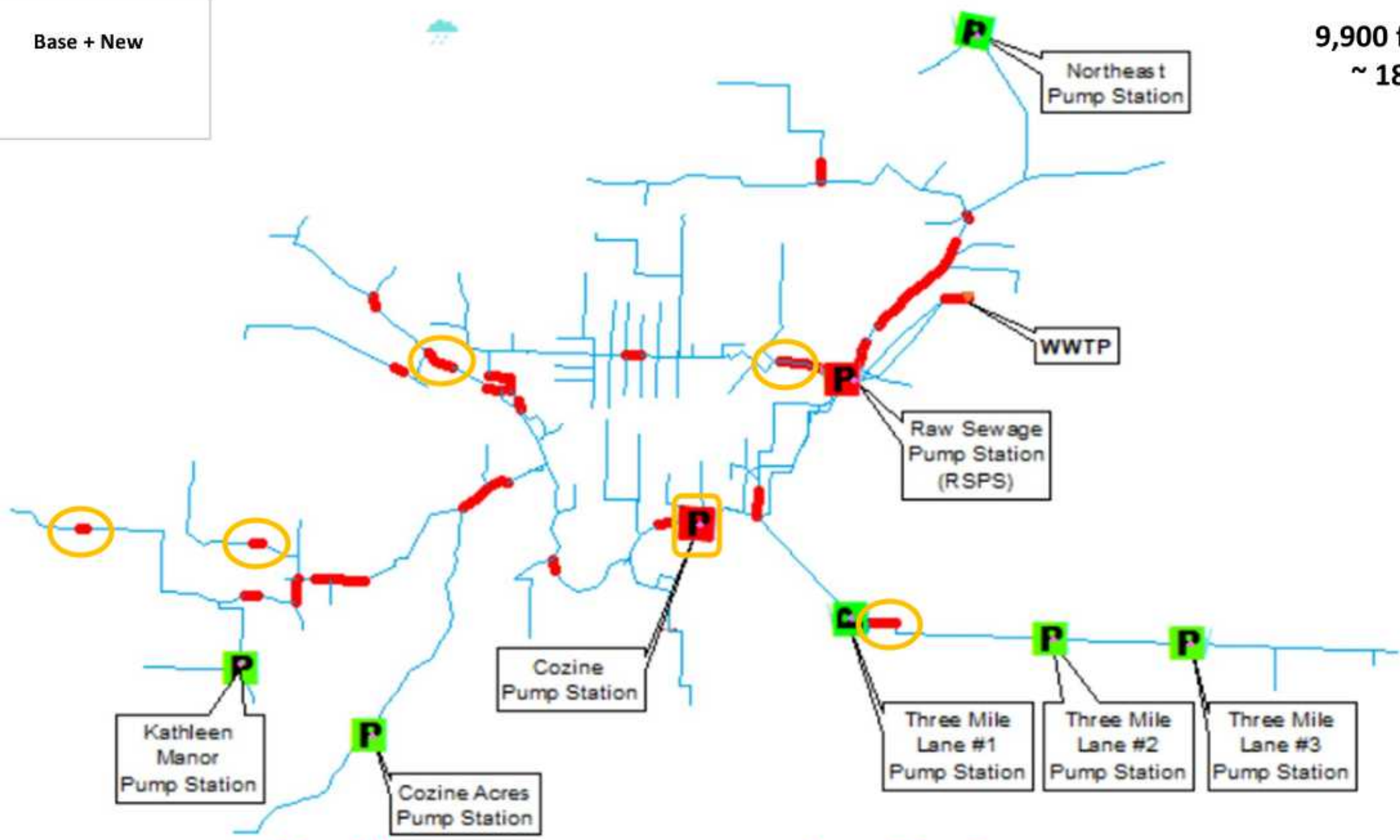
Pipelines at or near capacity, 1 in 5-year storm event

Added on 06.09.2021

Total of 36 segments (9,900 linear feet)

Base + New

9,900 feet to 11,700 feet
~ 1800 feet additional

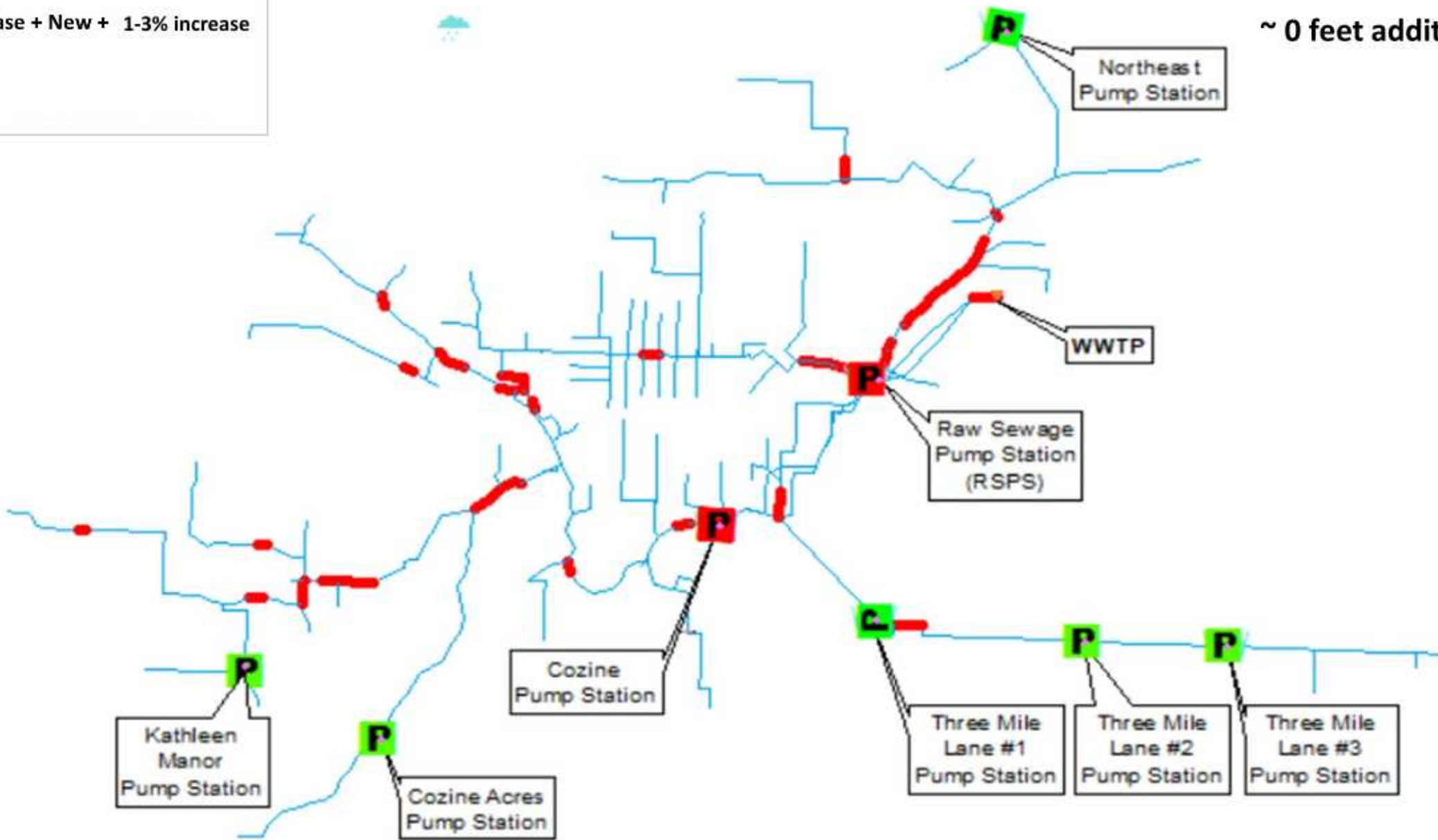


Pipelines at or near capacity, 1 in 5-year storm event
Total of 42 (11,700 linear feet; +1,800 linear feet)

Added on 06.09.2021

Base + New + 1-3% increase

~ 0 feet additional for HB 2001



Pipelines at or near capacity, 1 in 5-year storm event

Added on 06.09.2021

Total of 42 (11,700 linear feet ; +0 linear feet; limited sizing consideration)

OVERVIEW - RESULTS

Scenario	New Units	Deficient Pipe Segments	Total Length of Deficient Pipes (ft)
Existing Only	0	36	9,900
Existing + New Development	1,600	42	11,700 (+1,793)
Existing + New Development + Middle Housing (1-3% increase)	100	42	11,700 (+0); limited sizing increase

OTHER SYSTEMS OVERVIEW

- **Water Distribution**
 - Capacity in Pressure Zone 1 for new development and HB 2001 impacts by 2023
 - Pressure Zone 2 requires reservoir and pump station;
 - Improvements may consider increased development requirements
- **Transportation**
 - System plan improvements and analysis accommodate limited increase from HB 2001 impacts by 2023
 - Transportation System Plan Update – Fiscal Year 2021-2022
- **Stormwater**
 - Consider expansion of stormwater facilities as I&I rehabilitation occurs in sanitary sewer system
 - Similar stormwater system impact from HB 2001 as sanitary sewer by 2023
 - Stormwater System Plan Update – Fiscal Year 2022-2023 (consider quality and capacity)
 - Considerations for Stormwater Fund

RECOMMENDATIONS

- **Deferral**

- Likely not a significant impact by 2023 from middle housing (HB2001) to justify application for the IBTER (water, sewer, transportation, and storm)

- **Next Steps**

- Consider the UBG Expansion within the context of I/I Reduction Program and Other System Improvements
- Master Plan Updates – sewer, transportation, storm – to improve basis of understanding of remaining system capacity & planned improvements

QUESTIONS