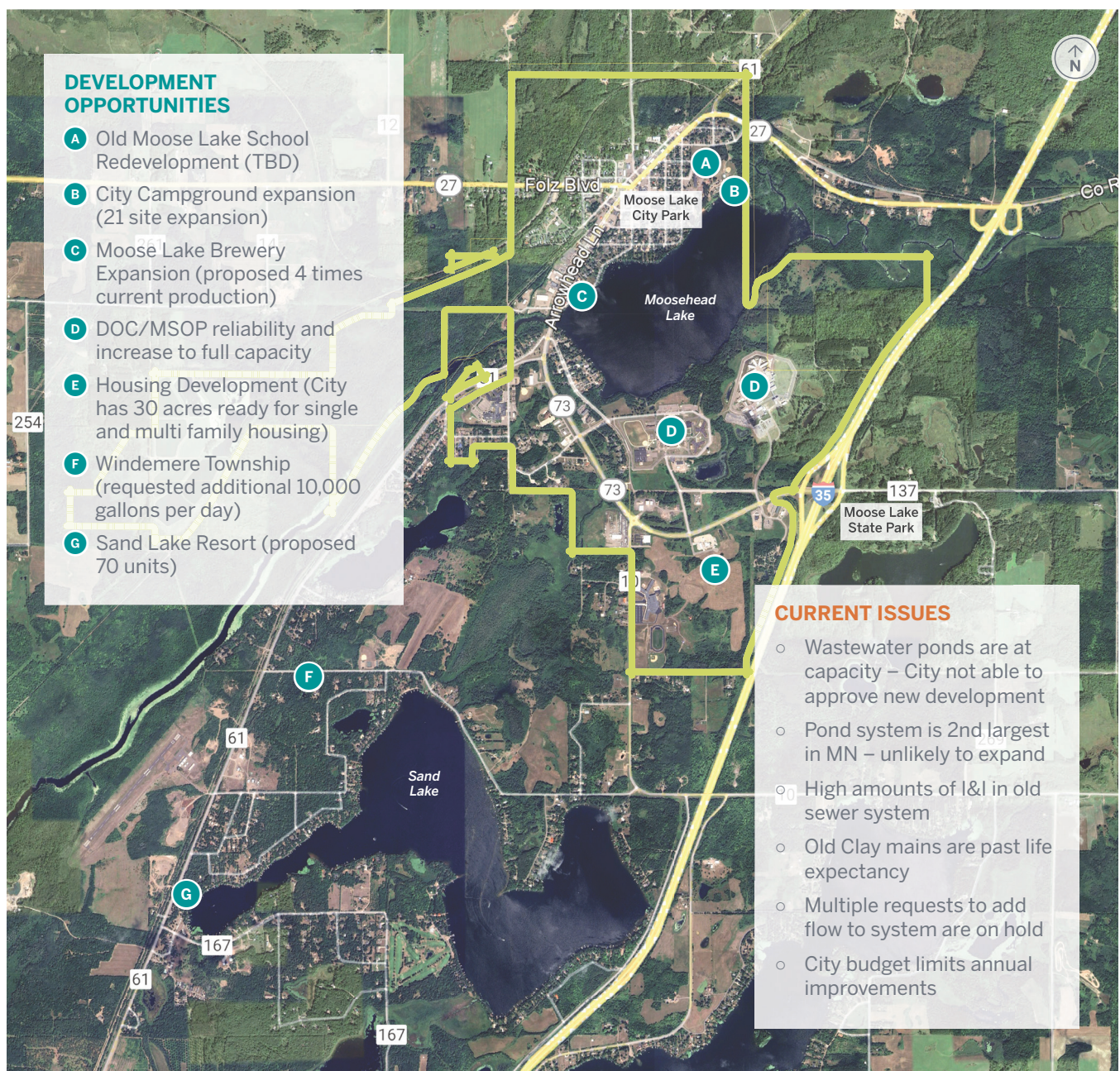


# City of Moose Lake Inflow and Infiltration Reduction Project for the City and Surrounding Communities



BONDING BILL PRESENTATION | APRIL 24, 2024  
HF 2884/SF 2881

**WHY ARE WE HERE?** The City of Moose Lake is seeking \$1,500,000 in state funds to design and construct a \$3,000,000 City wide sanitary sewer lining project to reduce I&I and ultimately increase capacity of treatment ponds. Increased capacity would allow for development to occur within the City and surrounding areas.





## BACKGROUND



- City of Moose Lake owns and operates sanitary sewer treatment ponds
- Ponds collect flows from:
  - 500 residents and 100 business in Moose Lake
  - 450 homes in Windemere Township
  - Department of Corrections campus
  - Minnesota Sex Offender Program campus
- Pond system is unlikely to get expanded due to size

## WHAT ARE THE SOLUTIONS?



Pond Expansion would be difficult – likely would need mechanical treatment. Reducing I&I to create capacity is most cost-effective solution.

- **Sanitary Sewer Main lining**
  - 15,000 feet of 8" Sanitary Sewer Mains
  - Anticipated reduction of 45,000 gallons per day
- **Manhole Lining**
  - Lining of 88 existing manholes
  - Anticipated reduction of 32,000 gallons per day
- **City has been proactive and completed 4 years of lining projects with great success, however City budgets limit how much can be completed annually**
- **Large Capital project would immediately increase capacity benefitting the City, Sewer District, DOC and MSOP**



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