



Invitation for Tribal Consultation

Introduction and Review of Metropolitan Council
Environmental Services Capital Program



January 25, 2023

Agenda

Invitation for Tribal Consultation

- Welcome and Introductions
- Opening Comments
- Information About Met Council Environmental Services (ES)
- Review of ES Capital Program Projects
- Final Comments and Questions

About Met Council Environmental Services

A message from

Manager, Interceptor Engineering

Adam Gordon

VISION

Clean water
for future
generations

We partner, plan,
and provide services
to protect our
region's water.

MISSION

VALUES respect, inclusiveness, integrity, commitment, excellence

Where are we at?

Consultation Process



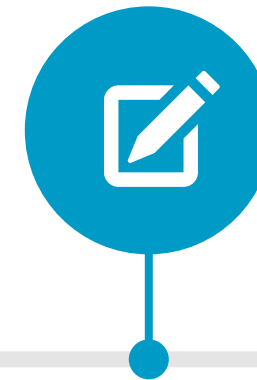
Inform Tribes of relevant projects



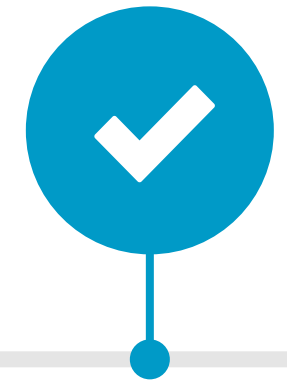
Time to review



Maintain dialogue of interested project developments



Request written comments from Tribes



Work through Tribal recommendations

About ES Capital Program Projects

A message from

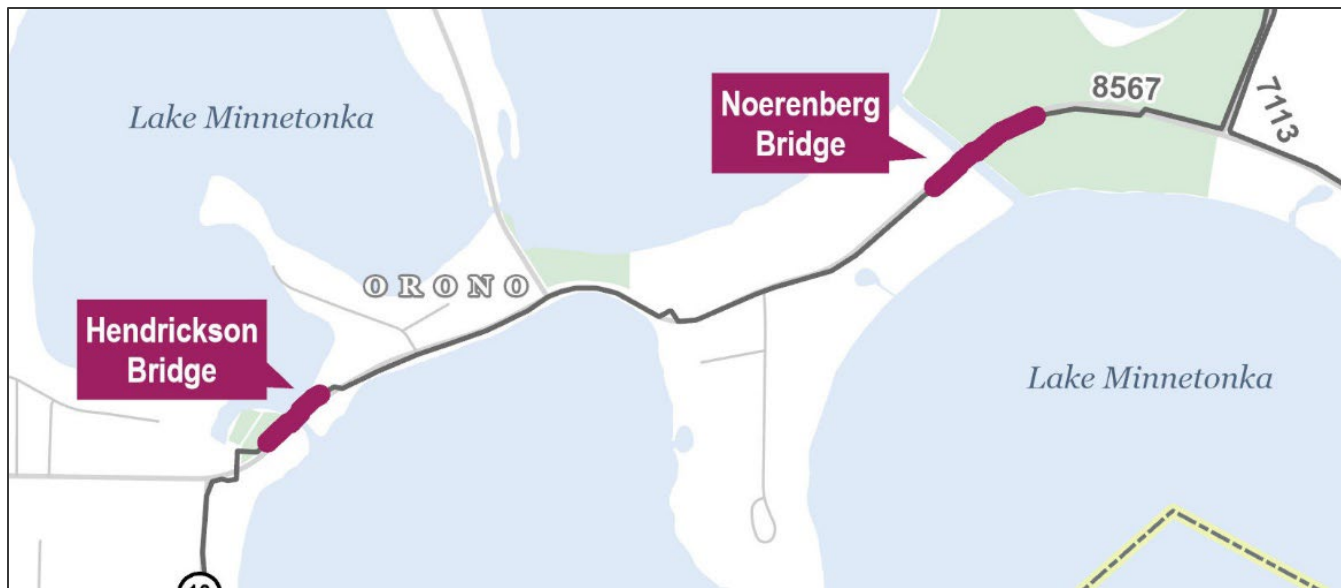
Manager, Interceptor Engineering

Adam Gordon



Scan this code to view the
ES Capital Program Booklet

#1 8567 Channel Crossings Replacement



Projects Need:

Replace the existing 12-inch DIP Hendrickson and 16-inch DIP Noerenberg bridge crossings with buried channel crossings. Directionally drilled dual HDPE pipes are proposed. To lessen the potential need for land acquisition, this work will be scheduled when North Shore Drive is closed for bridge work.

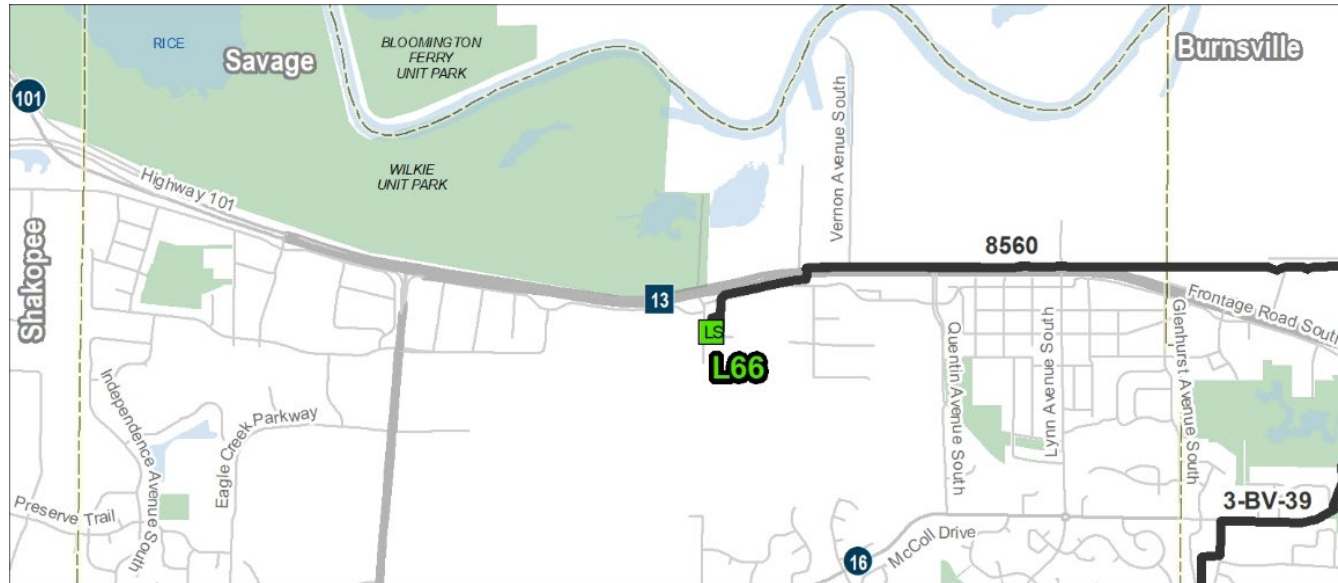
Expected Ground Disturbances:

About 180' of 15' deep trench and 4 isolated excavations for structures ranging from 50' x 30' to 60' x 30'. Excavations are within road ROW and Permanent Easement.

Historical Findings:

There are 18 previously recorded archaeological sites within an approximate 1-mile radius of the proposed project area; 2 are recorded within quarter mile. Detailed information can be found in Appendix A, Page A1.

#2 L66 Rehabilitation



Expected Ground Disturbances:

Two shallow excavations approximately 10X10 on ES Lift Station 66 property.

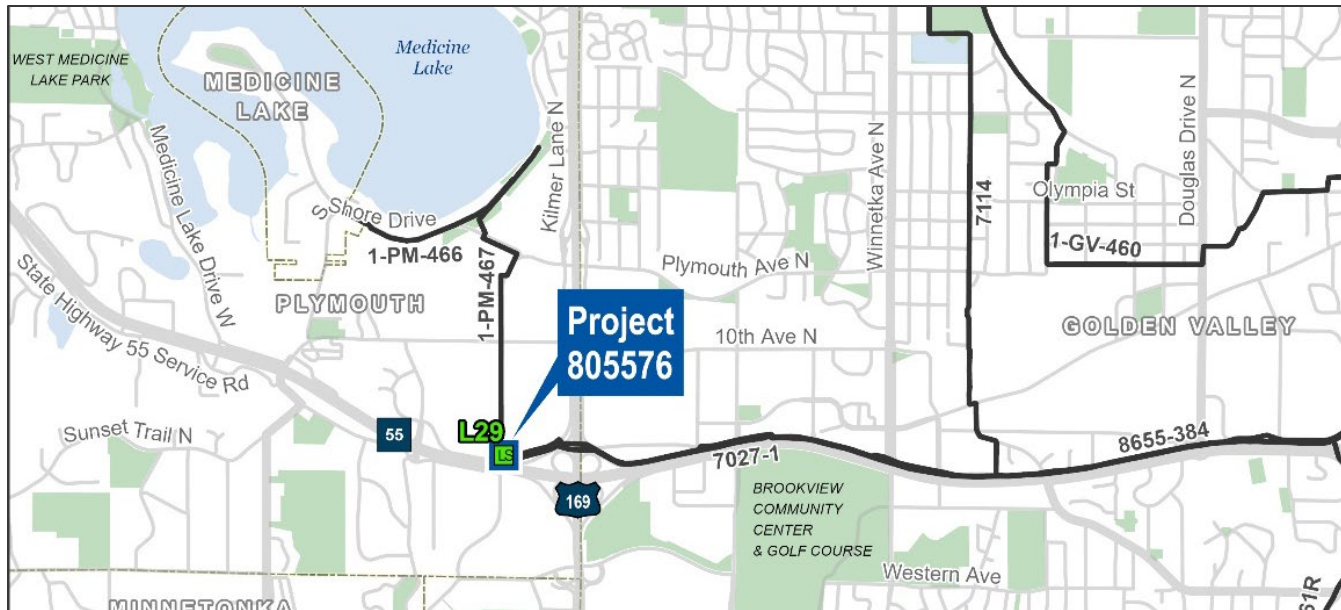
Projects Need:

Wet well rehabilitation is needed due to the substantial concrete deterioration. The station also needs new pumps to accommodate the projected 2040 flows. The HVAC is not up to code and needs to be replaced.

Historical Findings:

There are 2 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; none are recorded within a quarter mile. Detailed information can be found in Appendix A, Page A5.

#3 L29 Improvements – Phase 1



Expected Ground Disturbances:

L29 is in preliminary design so excavation limits have not been designed yet. Currently excavation is expected to be located within 100 feet of the lift station.

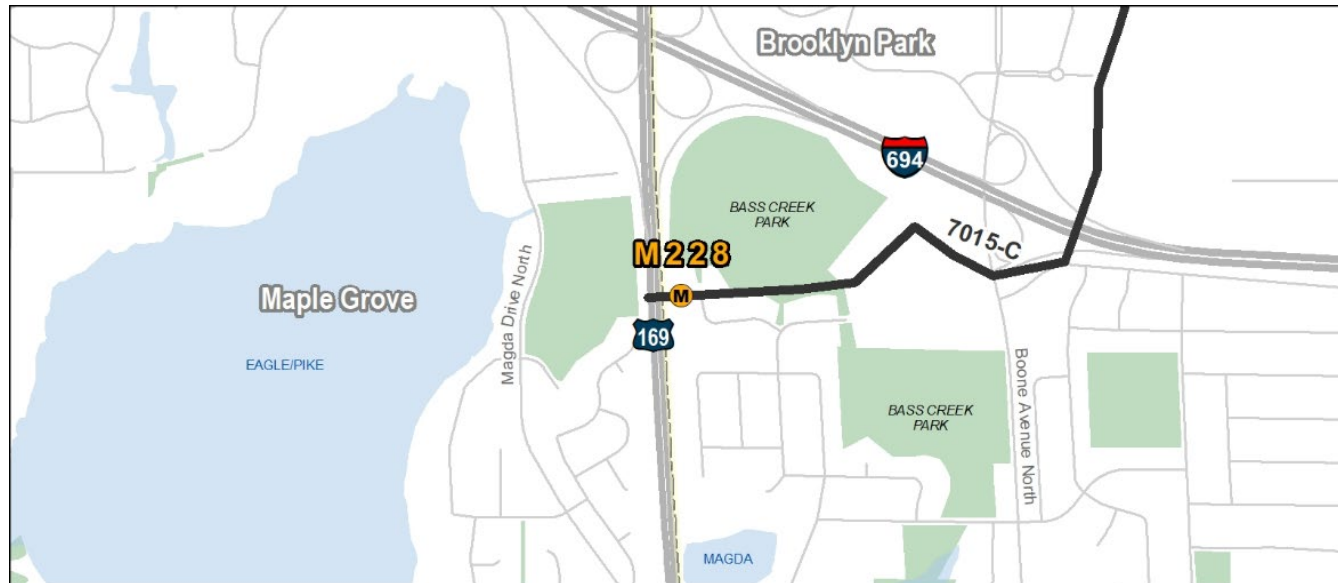
Projects Need:

A segment of piping will be replaced due to substantial corrosion. A pipe restriction will be upsized to increase lift station capacity.

Historical Findings:

There are not any previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area. Detailed information can be found in Appendix A, Page A7.

#4 Replacement Meter Vault M228



Expected Ground Disturbances:

Ground disturbance is likely significant. Two or more 30' deep pits at the new meter station and at the downstream location.

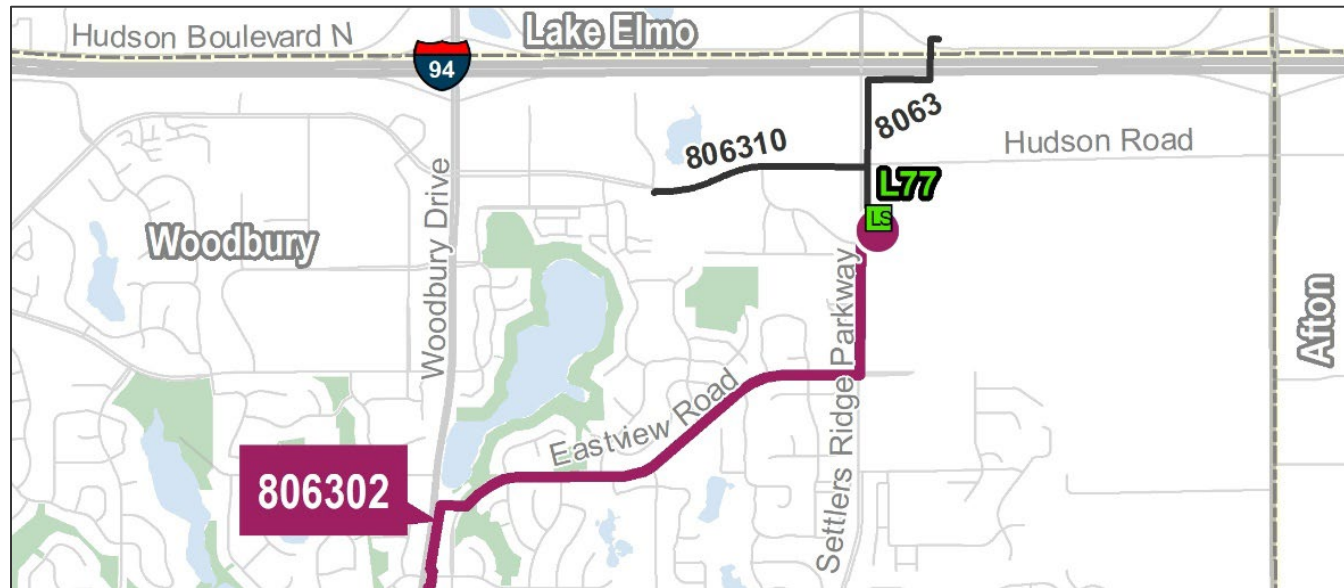
Projects Need:

Replace and update meter due to corrosion and difficult access. The meter ensures accuracy of cost distribution among communities.

Historical Findings:

There are 2 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; none are recorded within a quarter mile. Detailed information can be found in Appendix A, Page A9.

#5 Lift Station L77 Improvements



Expected Ground Disturbances:

Local excavation at lift station site to add manhole structures and reroute piping on site. Local excavations on existing forcemain to add or improve manhole structures.

Projects Need:

This expansion was planned with the construction of the L77 lift station and is driven by development in eastern Woodbury and Lake Elmo.

Historical Findings:

There are not any previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area. Detailed information can be found in Appendix A, Page A11.

#6 Lake Elmo West Connection



Expected Ground Disturbances:

Trenched installation of gravity sewer along the north side of I-94. Tunnel access pit excavations on either side of I-94 near the I-694 interchange.

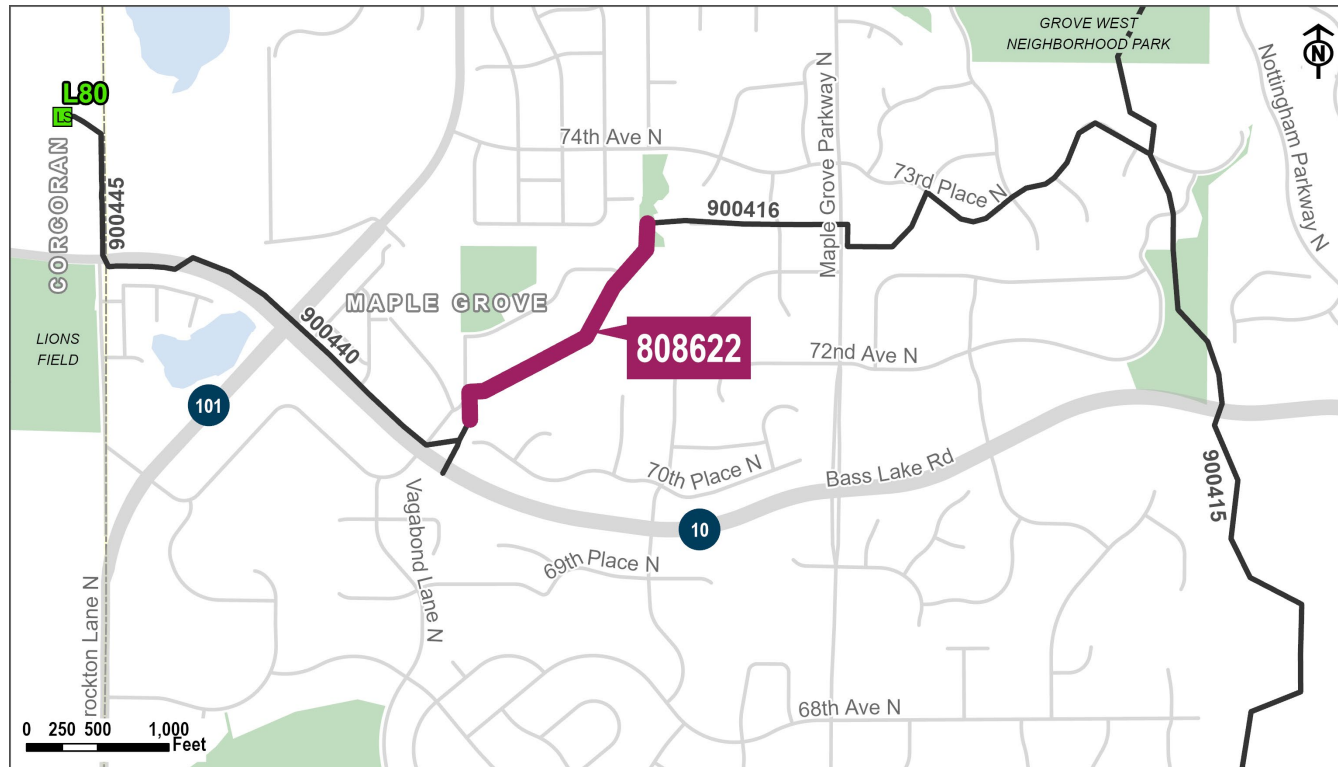
Projects Need:

This project will provide interceptor facilities to convey wastewater from southwestern Lake Elmo and eastern Oakdale to the Metro WWTP in Saint Paul. The project is needed to support growth in this eastern portion of the metropolitan area.

Historical Findings:

There are 2 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; none are recorded within a quarter mile. Detailed information can be found in Appendix A, Page A13.

#7 Maple Grove Interceptor Replacement



Projects Need:

To maintain the integrity of the system and to prevent catastrophic pipe failure, sections of the interceptor must be replaced.

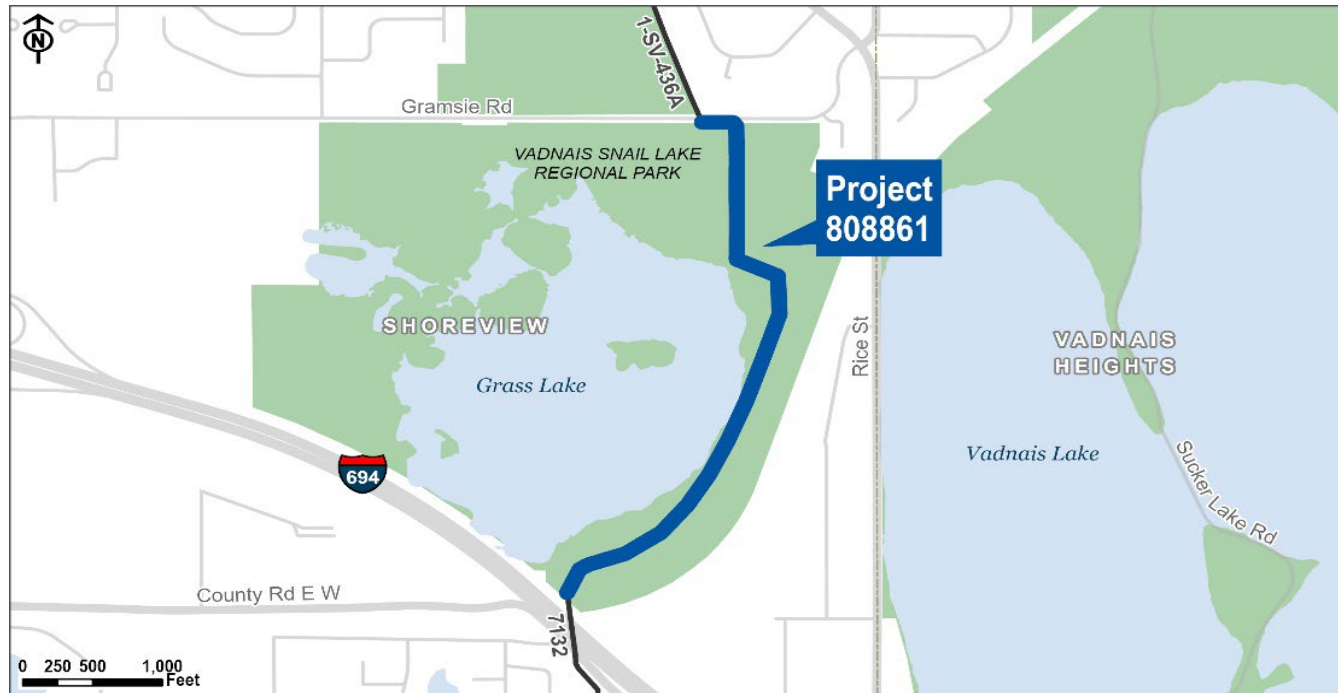
Historical Findings:

There are 3 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; none are recorded within a quarter mile. Detailed information can be found in Appendix A, Page A15.

Expected Ground Disturbances:

Project in preliminary stages. Construction will consist of sewer line excavation and trenches for pipe tunneling and structure replacement.

#8 Grass Lake Interceptor Rehabilitation



Projects Need:

To relocate the interceptor to provide year-round access, prevent flooded structures, and reduce I&I as lake levels continue to rise.

Historical Findings:

There are 4 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; none are recorded within a quarter mile. Detailed information can be found in Appendix A, Page A17.

Expected Ground Disturbances:

Project in preliminary stages. Pipe relocation requiring significant open cut excavation. Potential tunneling segments requiring excavation pits.

#9 Riverview Siphon Improvements



Expected Ground Disturbances:

Potential removal of existing vault top slabs to access piping for cleaning and televising could involve local excavation approximately 5 feet deep and 10 feet x 10 feet in width.

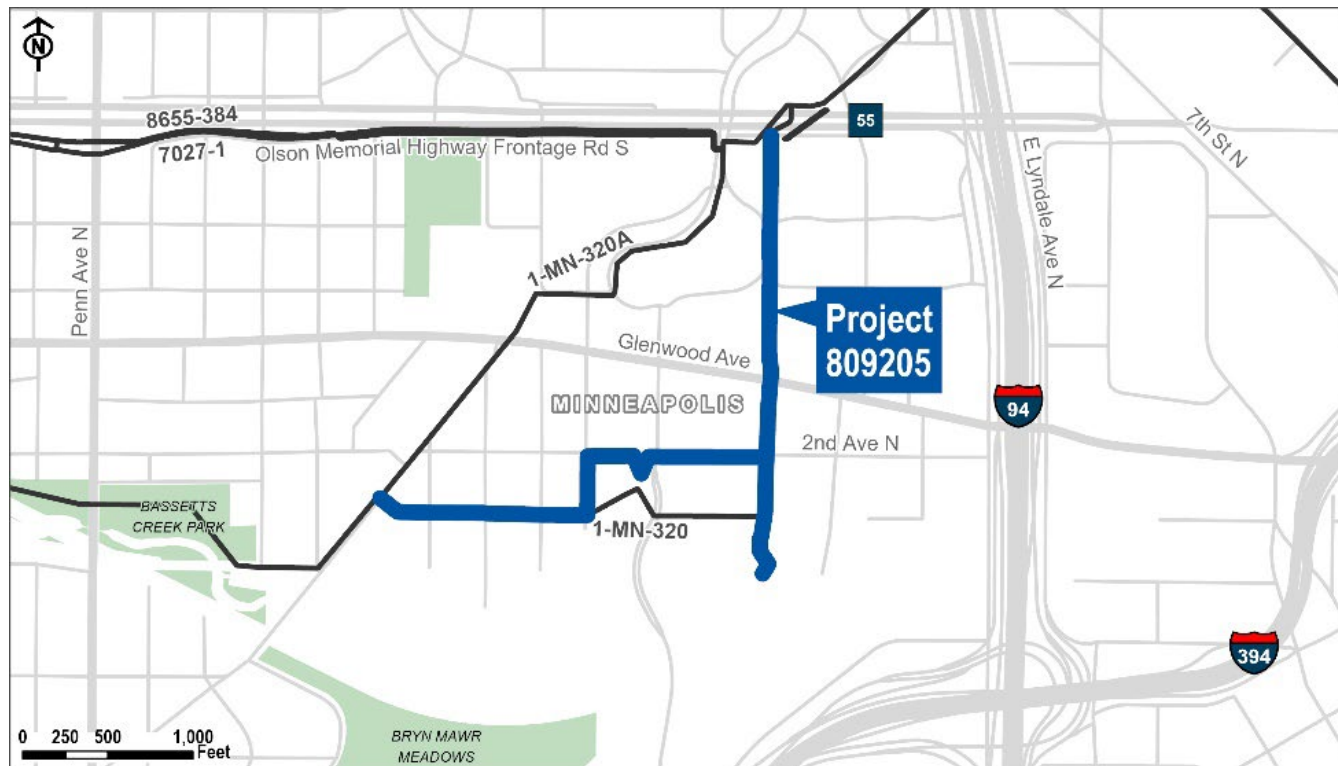
Projects Need:

Growth in the West Side Flats area of St. Paul, combined with evidence of past wastewater spills at the siphon headhouse and concerns raised by the City of St. Paul. Analysis showed a significant loss of design capacity, which is likely due to debris in the pipe.

Historical Findings:

There are 20 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; 2 are recorded within quarter mile. Detailed information can be found in Appendix A, Page A19.

#10 1-MN-320 Interceptor Improvement



Projects Need:

The existing interceptor pipe, constructed in 1888, has significant structural deterioration, which has led to several emergency repairs. Additionally, the existing pipe grades are insufficient, requiring contracted cleaning to remove grit and debris.

Historical Findings:

There are 8 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; none are recorded within a quarter mile. Detailed information can be found in Appendix A, Page A22.

Expected Ground Disturbances:

Project in preliminary stages. Project in preliminary stages. Construction will consist of sewer line excavation and trenches for pipe and structure replacement.

#11 1-MN-345 Rehabilitation



Projects Need:

The pipe is deteriorated and close to a sensitive receptor that would be impacted upon pipe failure. Scheduled Minnehaha Parkway trail improvements by the Minneapolis Recreation and Park Board provides an opportunity for partnering and minimizing overall construction impacts to the public.

Expected Ground Disturbances:

Two 10' x 10' excavations to remove/replace MH tops for CIPP access. Minor surface disturbance installing and removing temp conveyance pipe.

Historical Findings:

There are not any previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area. Detailed information can be found in Appendix A, Page A24.

#12 1-MN-303 Pipe-in-Pipe Rehabilitation



Expected Ground Disturbances:

Up to seven 10' x 10' excavations to install new MHs. Minor surface disturbance during concrete pumping.

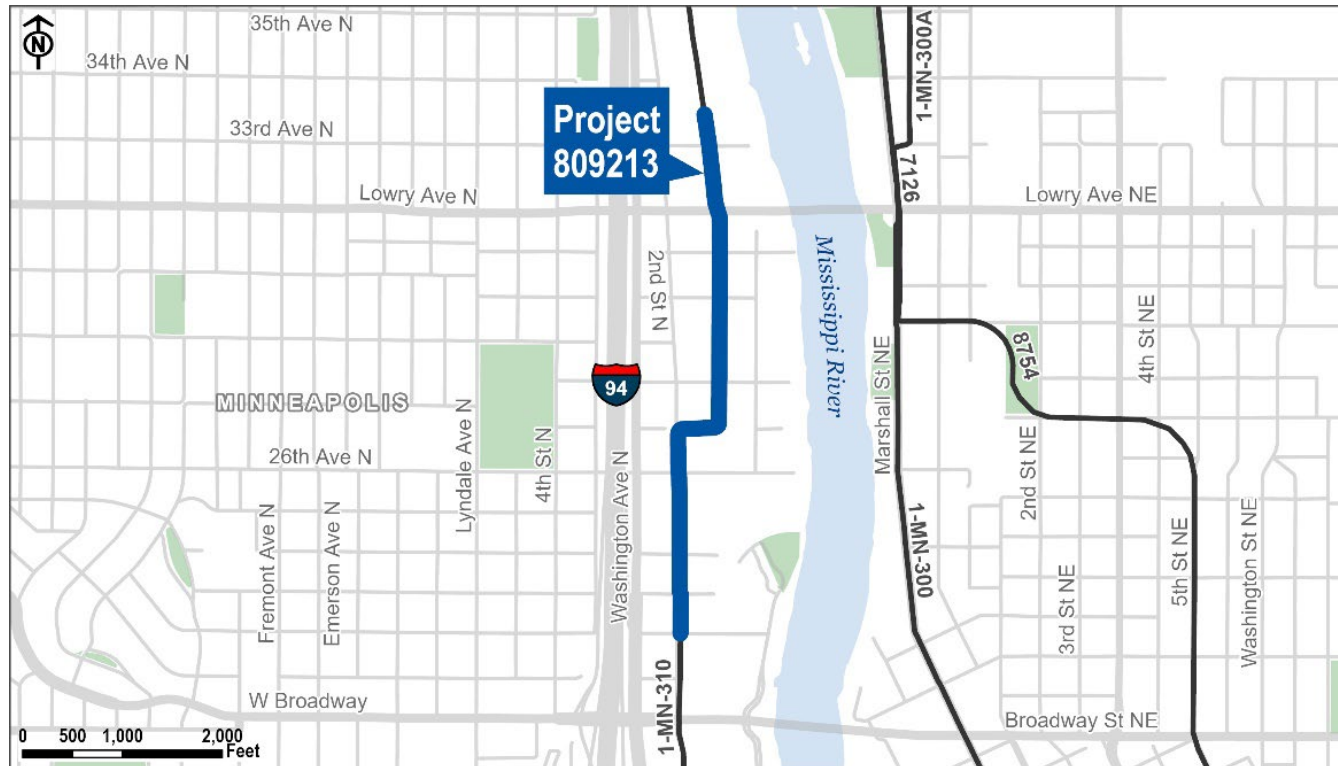
Projects Need:

Interceptor 1-MN-303 was built in the early 1920's as a 102" combined sanitary/storm sewer. The segment of 1-MN-303 on 31st Ave NE was converted to a PIP separated sewer in 1965 using inlaid deformed corrugated metal pipe (CMP). A walking inspection conducted in January 2022 identified severe damage and corrosion that is allowing significant inflow of stormwater into the sanitary sewer.

Historical Findings:

There are 3 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; 2 are recorded within quarter mile. Detailed information can be found in Appendix A, Page A26.

#13 1-MN-310 Rehab - 23rd and 33rd Ave. N



Projects Need:

Interceptor 1-MN-310 is adjacent to the proposed Upper Harbor Terminal project in Minneapolis. Recent CCTV inspection has identified Condition 4 deterioration between 34th and 22nd Aves N. The project schedule will be coordinated to limit impacts on future development in the area.

Historical Findings:

There are 7 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; 1 is recorded within quarter mile. Detailed information can be found in Appendix A, Page A29.

Expected Ground Disturbances:

Project in preliminary stages. Project in preliminary stages. Excavation 2 feet deep excavations at each structure for pipe lining and exaction of two pits for temporary conveyance.

#14

Brooklyn Park-Champlin Interceptor Renewal



Projects Need:

The Phase 2 project is identified as Site 2-1 in the Facility Plan. It includes interceptor 8252-481 from MH 4 2 to MH 15 2. This section of the interceptor was constructed in 1985 and consists of 12,000 feet of 66-inch RCP pipe and 22 maintenance holes. Based on the inspection, it has a condition rating of 4 and needs repair.

Historical Findings:

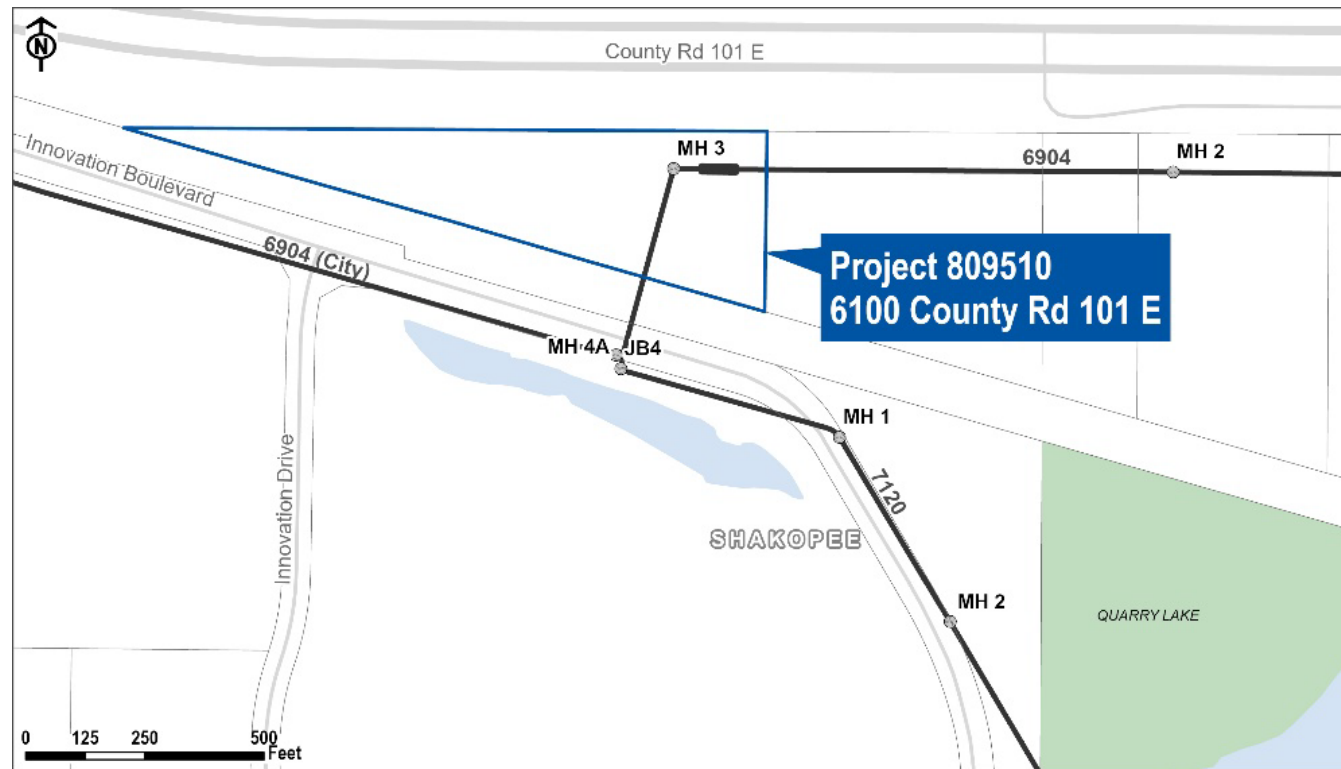
There are not any previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area. Detailed information can be found in Appendix A, Page A32.

Expected Ground Disturbances:

Project in preliminary stages. Surface impacts to turf when leaving the roadways to access easements and excavations to bury temporary conveyance pipe at road crossings.

#15

Shakopee Interceptor Odor Improvements



Projects Need:

The project is needed for operator safety, to preserve assets, and to reduce nuisance odors in the study area.

Historical Findings:

There are 12 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; none are recorded within quarter mile. Detailed information can be found in Appendix A, Page A34.

Expected Ground Disturbances:

Project still in preliminary design. Currently, the site will have two excavations; each approximately 30 feet x 40 feet and approximately 8 feet deep.

#16

Crow River Wastewater Treatment Plant



Projects Need:

The new Crow River Wastewater Treatment Plant is needed to free up capacity for urban core growth in the Elm Creek interceptor, which currently serves a rapidly expanding portion of Rogers. It also prepares for projected growth in the communities of Rogers, Dayton, Corcoran and the surrounding area.

Historical Findings:

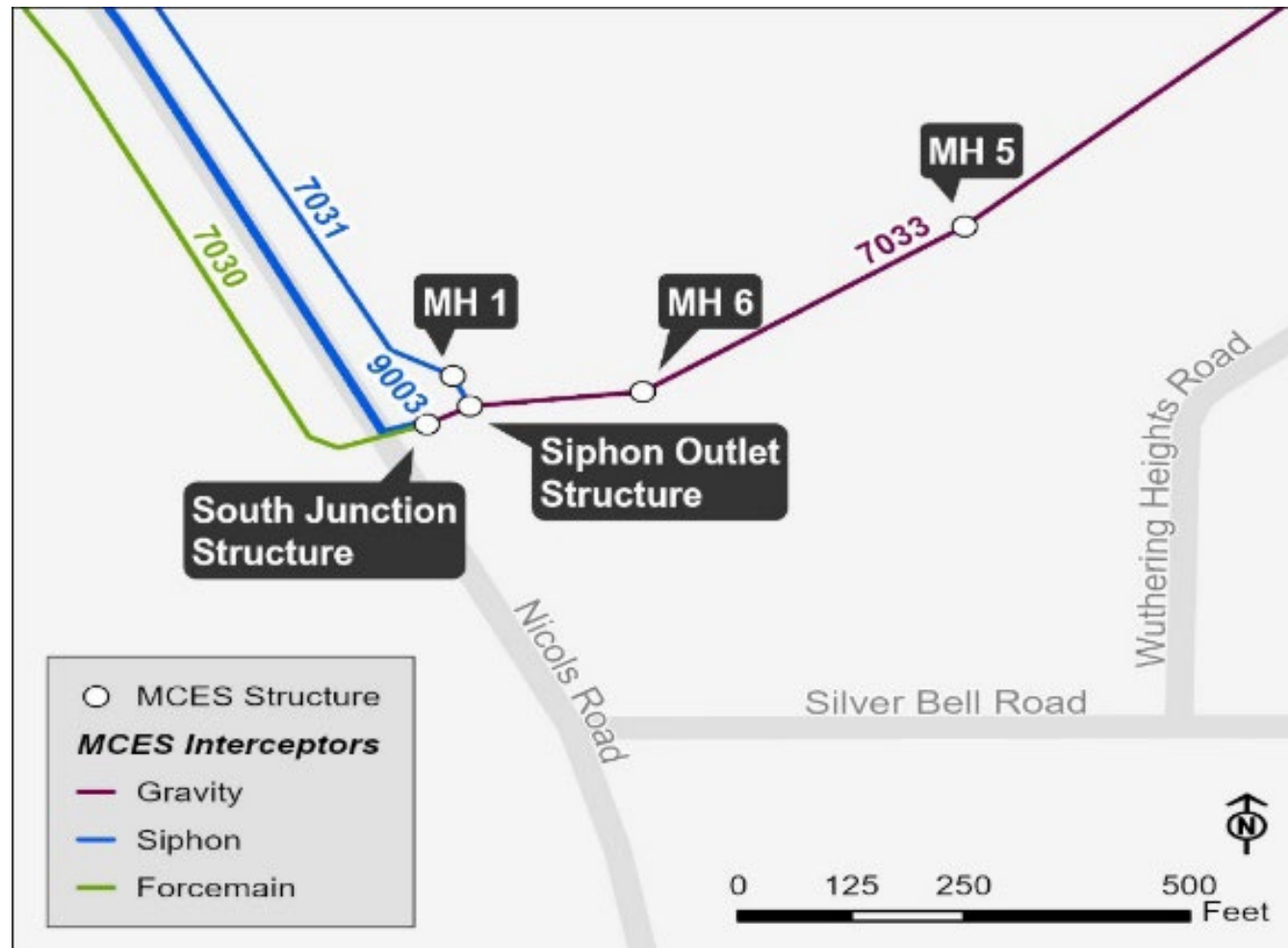
There are 4 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; 1 is recorded within quarter mile. Detailed information can be found in Appendix A, Page A37.

Expected Ground Disturbances:

Project in preliminary stages. Significant ground disturbance on the plant site, covering approximately 40 acres. Excavation and backfill of trenches for full length of pipe installation.

#17

7031/9003 Siphon Outlet Structure Improvements



Projects Need:

The project is needed for operator safety, to preserve assets, and to maintain system flexibility.

Historical Findings:

There are 6 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; 2 are recorded within quarter mile. Detailed information can be found in Appendix A, Page A40.

Expected Ground Disturbances:

Project still in preliminary design. Currently, siphon outlet structure will have two sheeted pits, and near L13, two jacking pits, each 10 ft x 15 ft, at approximately 12 feet deep.

#18 Hopkins System Improvements, East Isles Forcemain – Contract H



Projects Need:

Without a redundant forcemain, inspecting the existing 24" concrete forcemain is difficult, and there is significant potential for corrosion given the pipe material and age. An upstream section of the forcemain collapsed in 2000.

Historical Findings:

There are 12 previously recorded archaeological sites within an approximate 1 mile radius of the proposed project area; 1 is recorded within quarter mile. Detailed information can be found in Appendix A, Page A43.

Expected Ground Disturbances:

Approx. 1000 feet of open cut in park road within The Mall Park in Mpls. Depth of excavation varies from 8' near Bde Maka Ska Parkway increasing to 20' east end of Humboldt Ave.

#19

Interceptor Rehab Projects – 6-MO-650 Site 1



Projects Need:

Provide intergovernmental coordination with the Hennepin County Road project. To maintain the integrity of the system and to prevent potential damage to the environment due to pipe failure, sections of the interceptor must be repaired or replaced.

Historical Findings:

There are 14 previously recorded archaeological sites, and/or alpha (unconfirmed) sites, within this search area (Table 1; Figure 1). Detailed information can be found in Appendix A, Page A44.

Expected Ground Disturbances:

Approx. eight trenches within roadway/ROW/easement and within ROW of Auditors Rd and Shoreline Dr will be open cut the entire way.

#19

Interceptor Rehab Project – 1-MN-310 Site 2



Projects Need:

Siphon pipe and structures are old and deteriorated and need for a rehab to maintain system integrity.

Historical Findings:

There are 2 previously recorded archaeological sites, and/or alpha (unconfirmed) sites, within this search area (Table 1; Figure 1). Detailed information can be found in Appendix A, Page A48.

Expected Ground Disturbances:

Rehabilitation of existing structures. One excavation of about 20x30 size to replace the structure cover.

#19

Interceptor Rehab Project – 8151 Site 3



Projects Need:

Structures are old and deteriorated and need rehabilitation to maintain system integrity.

Historical Findings:

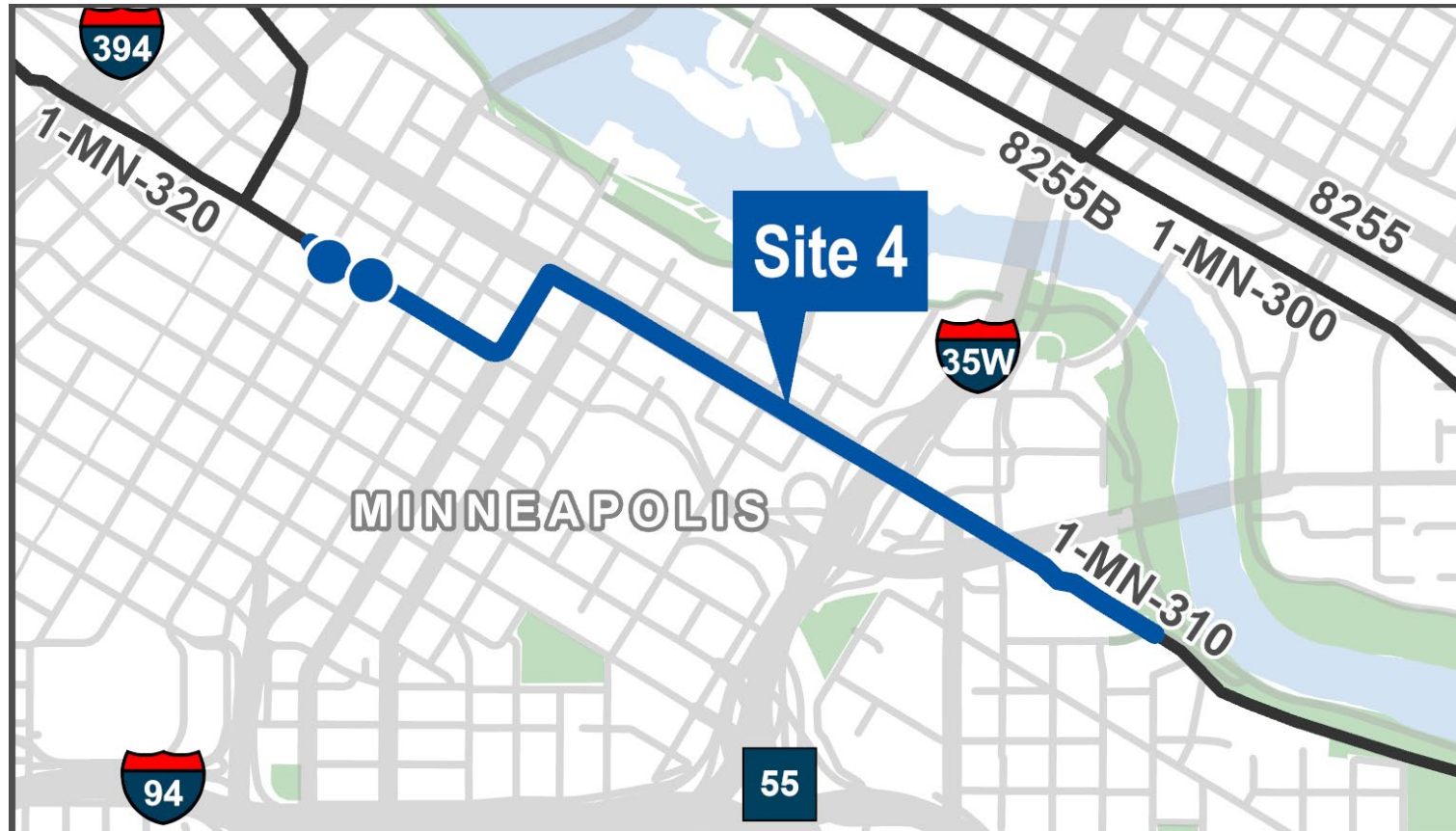
There is 1 previously recorded archaeological site, and/or alpha (unconfirmed) sites, within this search area (Table 1; Figure 1). Detailed information can be found in Appendix A, Page A50.

Expected Ground Disturbances:

No excavation anticipated at this time.

#19

Interceptor Rehab Project – 7122 Site 4



Projects Need:

Interceptor pipe and structures are old and deteriorated and need rehabilitation to maintain system integrity.

Historical Findings:

There are 49 previously recorded archaeological sites, and/or alpha (unconfirmed) sites, within this search area (Table 1; Figure 1). Detailed information can be found in Appendix A, Page A52.

Expected Ground Disturbances:

Rehabilitation of existing structures. Two structures will be excavated within roadway pavement, 20x20 at about 25' deep.



Questions

Share Comments and Questions

Please share comments and questions in writing through the chat feature or verbally by raising your hand.

Resources



[MetroCouncil.org/TribalOpenHouse](https://www.metrocouncil.org/TribalOpenHouse)

Feedback



Please share your thoughts on this event

<https://form.jotform.com/mplshdrpi/VirtualTribalOH>

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Thank you

