



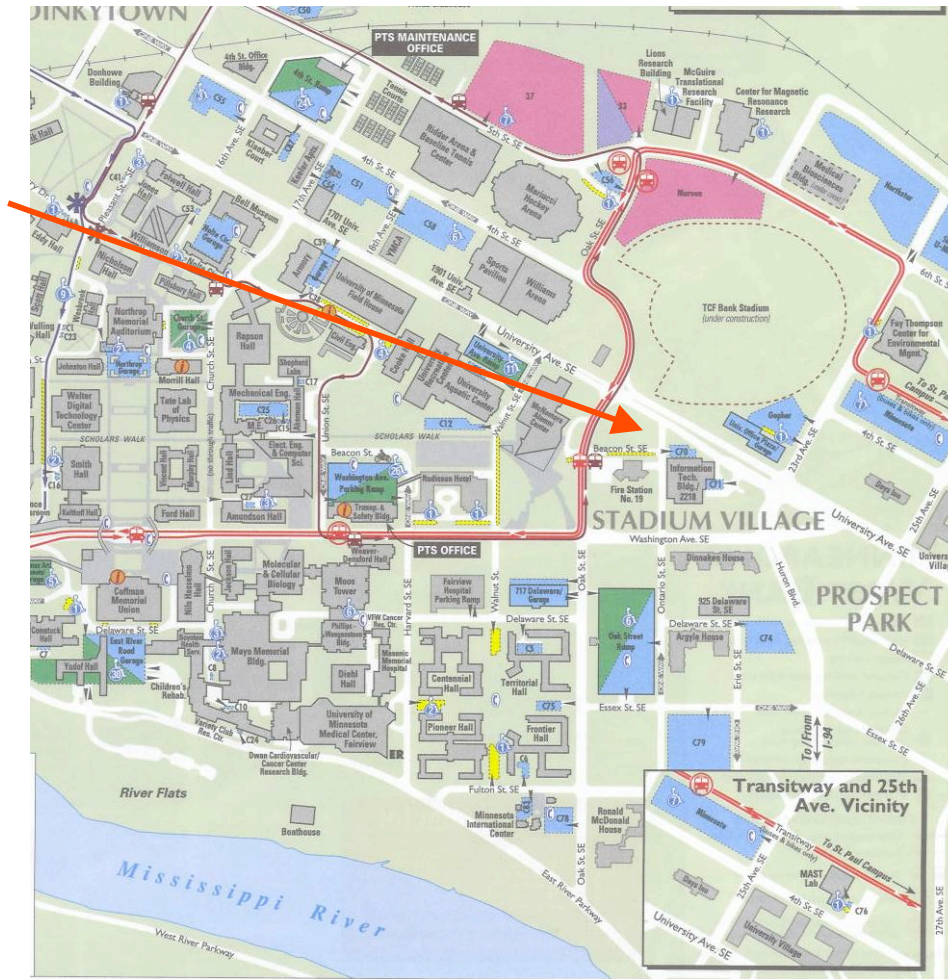
UNIVERSITY OF MINNESOTA

*East Gateway District –
Metropolitan Council Sanitary
Sewer Work*

Twin Cities Minneapolis East Bank Campus

LOCATION PLAN

Metropolitan
Council
Sanitary
Sewer Work
Location





PROJECT RATIONALE

- Combining the Met Council project with the University project will ensure that work is coordinated and performed concurrently by one design and construction team
- Combining projects will reduce project costs, resulting in a cost saving to the public
- Components of the University's Infrastructure Project are approved in the Capital Budget
- Combining projects will reduce the number of contractors working in the congested East Gateway District

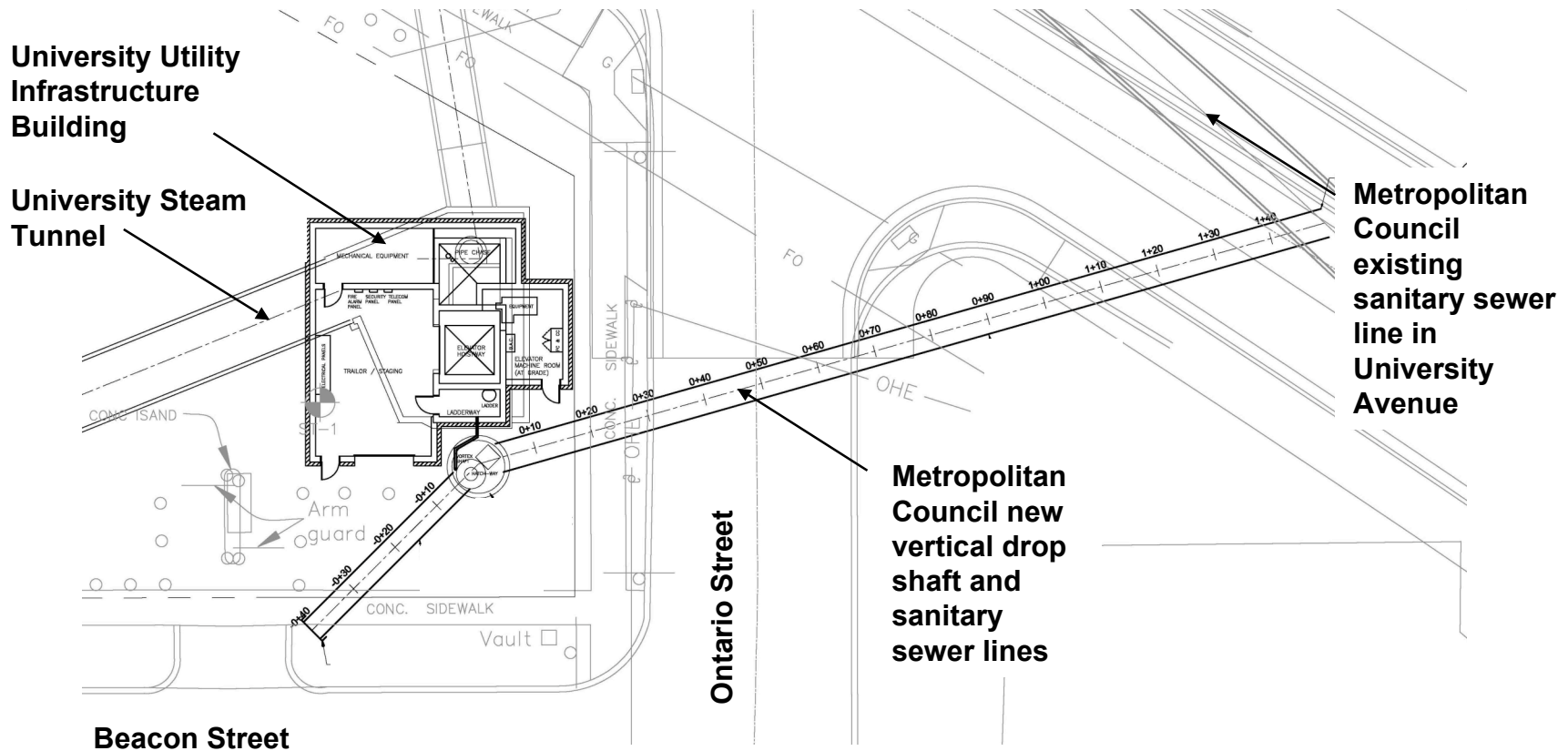
PROJECT DESCRIPTION

- Construction of a vertical drop shaft approximately 10 feet in diameter and 80 feet deep with access from the top
- Construction of a directionally bored deep horizontal tunnel at the bottom of the shaft approximately 5 feet in diameter and 150 lineal feet that connects with the existing sewer interceptor in University Avenue
- Construction of an open cut shallow horizontal tunnel approximately 4 feet in diameter and 50 lineal feet from the curb on Beacon Street S.E. to the vertical shaft location
- Project Cost
 - » Construction Cost \$1,580,000
 - » Non Construction Cost 220,000
 - » Total Project Cost \$1,800,000
- Capital Funding:
 - » Metropolitan Council \$1,800,000

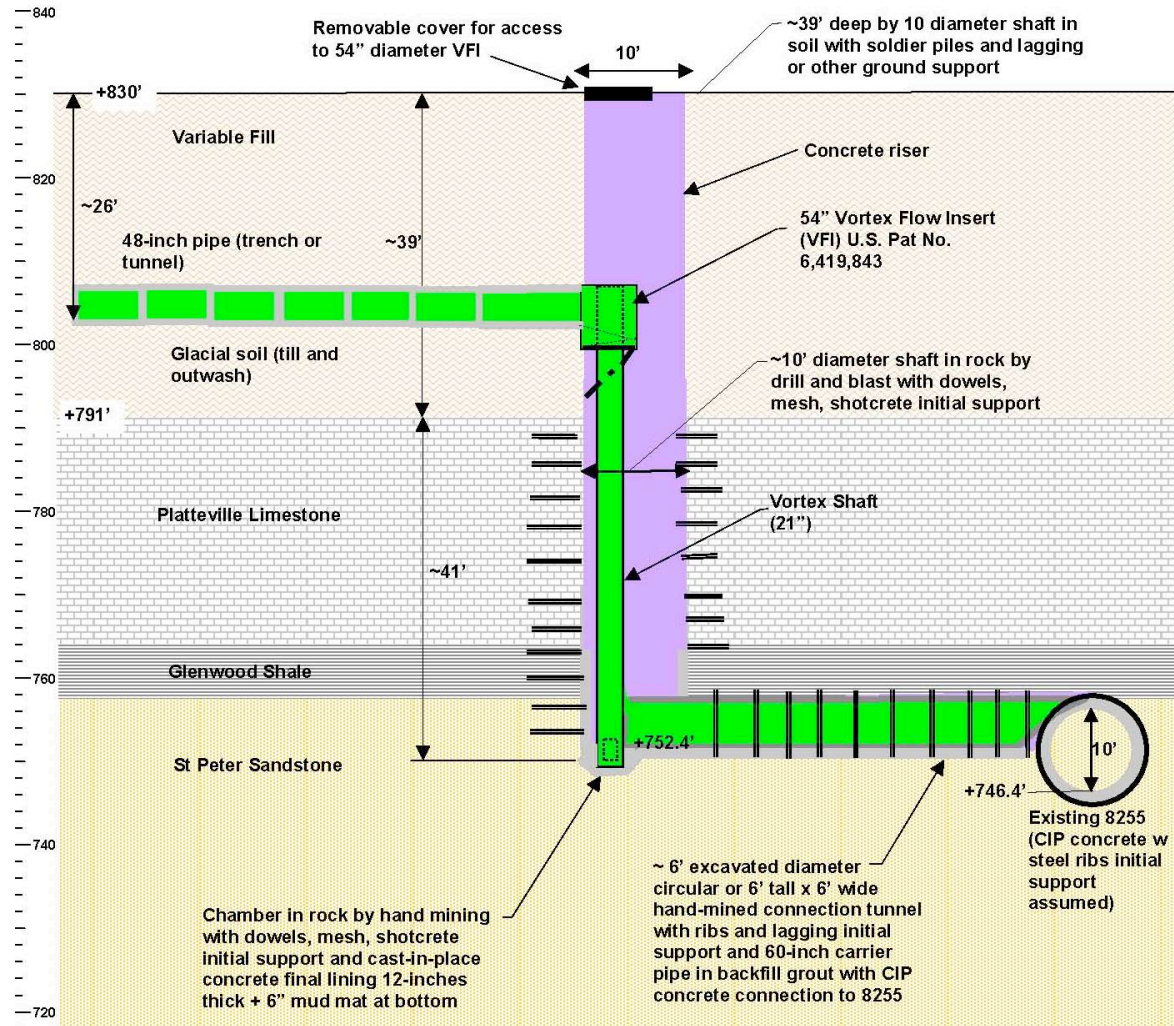
PROJECT DESCRIPTION – Continued

- Anticipated completion:
 - » Winter 2009
- Estimated annual operating cost:
 - » The Metropolitan Council will be responsible for the operating and maintenance cost associated with the sanitary sewer infrastructure
- Project Team:
 - » Engineer: Sebesta Blomberg / CNA Consulting Engineers
 - » Construction Manager: Kraus Anderson Construction Company

SITE PLAN



DETAIL





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