

Utility Tunnel Design - CNA Consulting Engineers

CNA specializes in utility tunnel inspection, analysis, repair designs and new designs. Clients for utility tunnel systems include Qwest, Excel Energy, St. Paul Water Department, University of Minnesota, Minneapolis District Energy, St. Paul District Energy and Mn/DOT. CNA has inspected and designed repairs for over ten miles of tunnels for utility owner's facility management programs.



CNA designs lined and unlined utility tunnels with racks for varying utilities utilizing concrete, shotcrete, masonry and spraygrout for tunnels containing water, electric, telephone and steam lines. CNA has designed rectangular, arch and round tunnels, through soil, limestone and sandstone for utilities throughout Minnesota.



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