



**LOCATION:**

Millbrae, CA

This project involves installing 140 linear feet of 24-inch diameter sacrificial steel casing using microtunnel beneath an existing concrete lined channel and storm drain/sanitary sewer while providing a minimum depth of cover of 18 feet below the channel bottom and 10 feet of vertical separation from an existing 33-inch storm drain. Shafts for microtunnel work were approximately 35 feet deep and the microtunnel progressed through primarily sandy soils approximately 30 feet below beneath the groundwater table utilizing the sacrificial case-and-displace method with steel casing pipe to install the steel gas pipe.

Founded in 1960, Primoris Services Corporation (Primoris) is the parent company of an array of vastly diversified infrastructure construction and engineering firms uniquely positioned to bid, design, innovate, build, and deliver in diverse end markets. Through its subsidiaries, Primoris provides a wide range of construction, fabrication, maintenance, and engineering services to major public utilities, petrochemical and energy companies, and municipalities. At Primoris, the health and safety of our employees is our top priority. Primoris is headquartered in Dallas and is a publicly traded company on NASDAQ under: PRIM.

Vadnais Trenchless Services, Inc. (VTS) is a general engineering contractor that has been operating for over 60 years. We specialize in microtunneling, shoring, and deep concrete caissons and also perform other trenchless services such as earth pressure balance (EPB) tunneling, pilot tube microtunneling and auger boring. VTS prides ourselves in being able to provide the required expertise, equipment and commitment to meet our client's needs.