

APPENDIX K: NATURAL GAS UTILITY SERVICE





Placer County Government Center

Master Plan Update

Natural Gas Utility Service

The existing Placer County Government Center campus is fed from PG&E natural gas lines entering the site area at three locations. There is an 18-inch main in Atwood road, with an existing 2-inch branch and a 4-inch branch entering the southern portion of the site area at F Avenue. There is a 4-inch line that extends along Willow Creek Drive and enters the site from the east. And finally, there is a 4-inch main that runs in Bell Road with a 4-inch branch line that enters the site from the north at Richardson Drive.

The existing buildings at the outer edges of the campus would continue to be served from existing gas lines to avoid any disruption in service. The buildings at the south end of the campus between E and F Avenues, the jail complex, along with any gas loads associated with the new buildings *Corporation Yard/Admin/Training Center-F*, and *Parks and Ground-K3* would continue to be served from the 4-inch main extending up from the south.

The existing buildings along the west side of the campus along B Avenue, along with the existing *Justice Center* and *Juvenile Detention* building, and also including the new buildings *Warehouse-D and E*, *Probation Support-G*, *Dive Unit-K1* and *Data Center Expansion-2*; would continue to be served the existing mains extending from Richardson Drive.

The new *Admin Services-1* and *Health and Human Services-A* buildings would be served from a new line extended from the 4-inch gas branch near the north side of the Finance and Administration building. This will allow these early phase buildings to be constructed without running long new gas mains prior to the construction of new roadways.

The remainder of the master plan buildout new buildings would be served from a new gas main extending along 1st Street from Atwood Road to Bell Road. This new main could also be connected to the branch from the east along Willow Creek Drive to allow multiple feeds into the campus for reliability and pressure equalization. The new 1st street main would be extended as roadways are improved and new buildings are brought online.

The new *Community Events Center-M*, *Agricultural Commissioner and Farm Advisor-C*, *Utilities Department-K2* and *Hotel-H* buildings proposed along County Center Drive would be served from a new branch gas main connected to the new line in 1st Street along the new roadway (currently D Avenue). There is too much gas load for these buildings to be connected to the branch in Richardson Drive being extended to the Health and Human Services-A building.

The existing building complex that is between B and C avenue that will remain is fed gas from the existing line in 1st Street. It is proposed to reconnect the complex to the new line proposed to be installed at 1st Street. Consideration will be needed to phase the new gas line construction to maintain service to the existing complex.