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# State of Idaho

Department of Administration  
Division of Public Works

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Design and Construction  
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<http://dpw.idaho.gov>

## MEMORANDUM

**FROM:** Division of Public Works

**SUBJECT:** Capitol Mall GEO Production Well  
Reference for DPW Project No. 13006  
Parking Garage, Capitol Mall  
Boise, Idaho

**DATE:** June 25, 2012

The state owned Capitol Mall Geo-thermal heating system is serviced by a production well located in the area bounded by 6<sup>th</sup> street and 7<sup>th</sup> street, and Washington Street and Franklin street in Boise. The production well house at the site contains a well approximately 3000 feet in depth, a 50 HP VFD motor attached to a pump impeller inserted approximately 65 feet into the well casing, along with a Boise City inter-tie, associated piping and aerator tank. The GEO system operates off Siemens DDC controls.

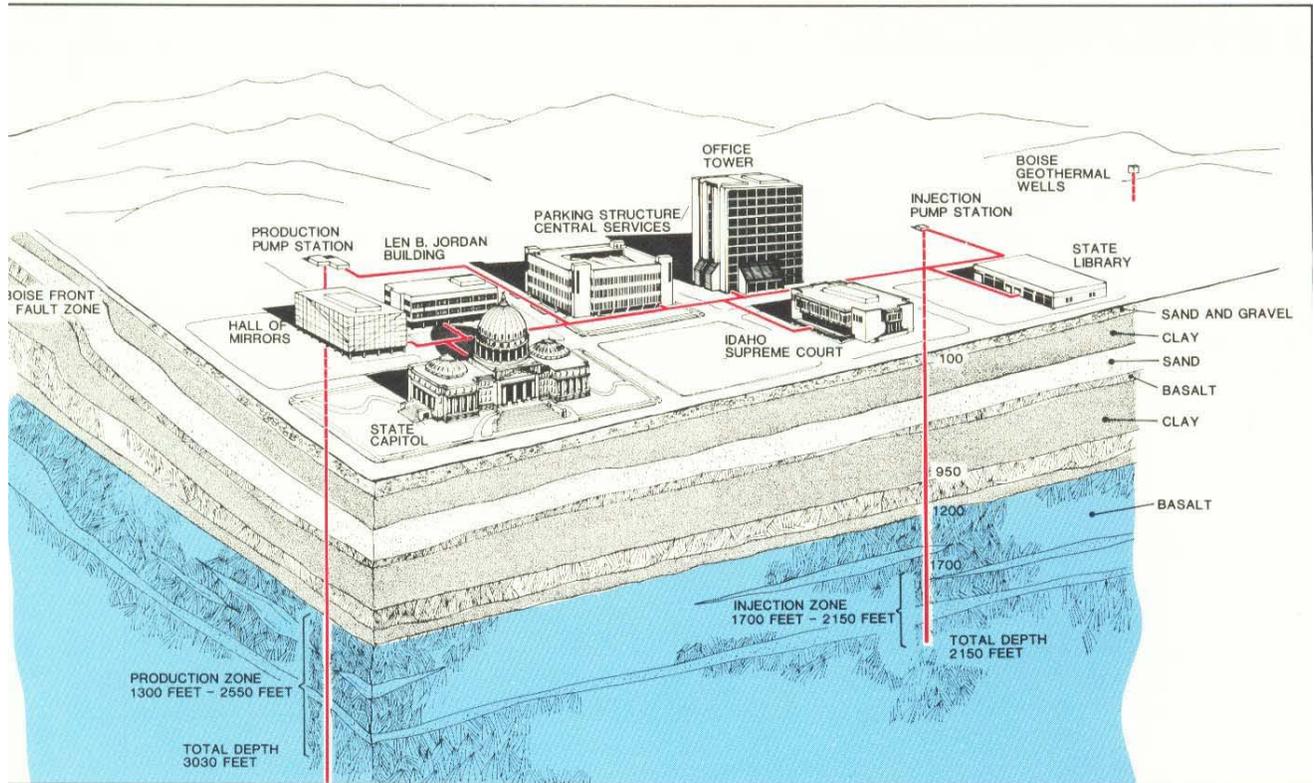
The production GEO water leaves the well house through an 8 inch in ground pipe south to the LBJ building, then to the buildings the system serves.

The Boise City tie in is a 6 inch in ground pipe from Franklin street to the production house, where it connects to the Capitol Mall system. The inter-tie is to provide back up to both the Capitol Mall system and the Boise City system.

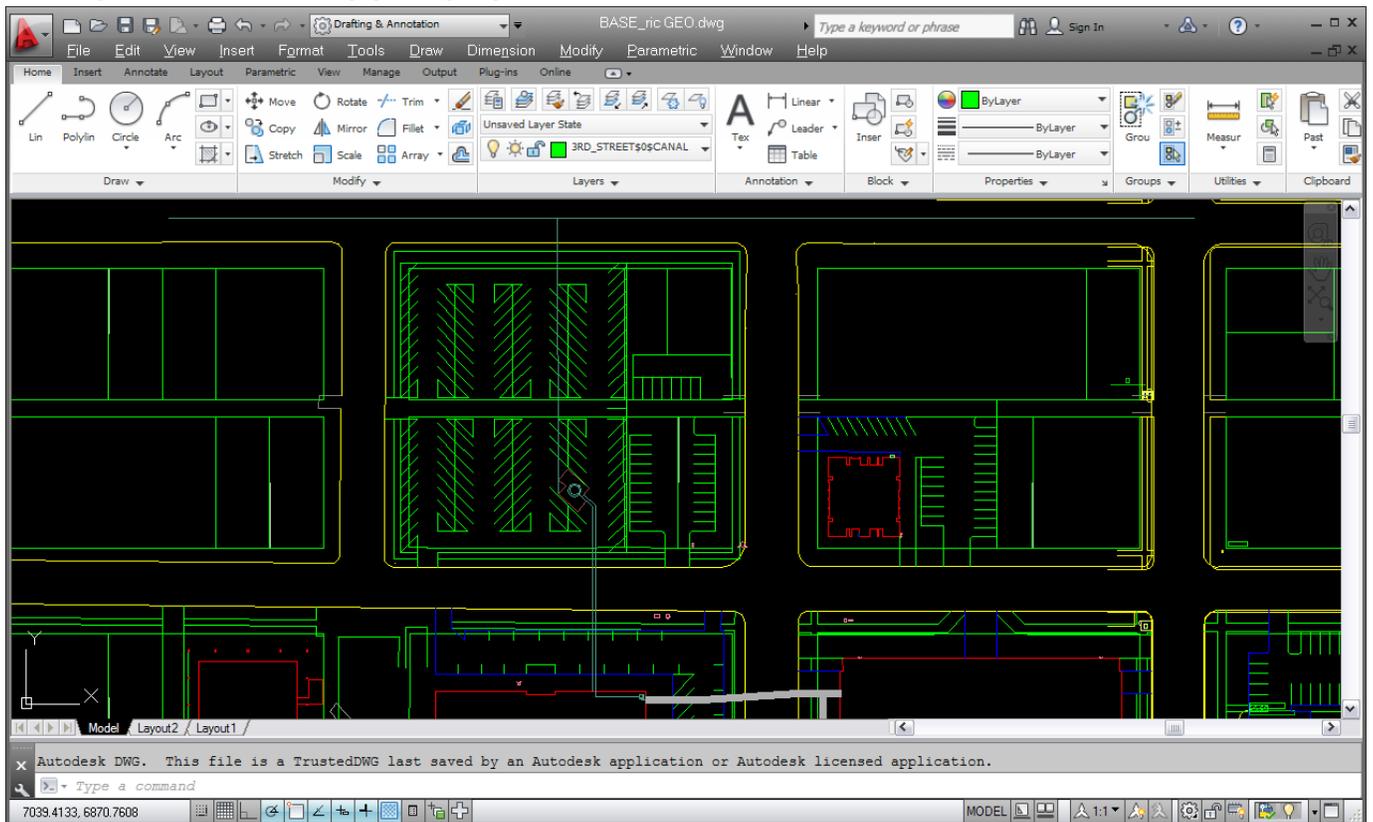
Questions that arise as a result of Project No. 13006 should be addressed to:

Martin Santoyo, Project Manager  
Division of Public Works  
502 N. 4<sup>th</sup> Street  
Boise, ID 83720-0072  
(208) 332-1913

# CAPITOL MALL GEO SYSTEM

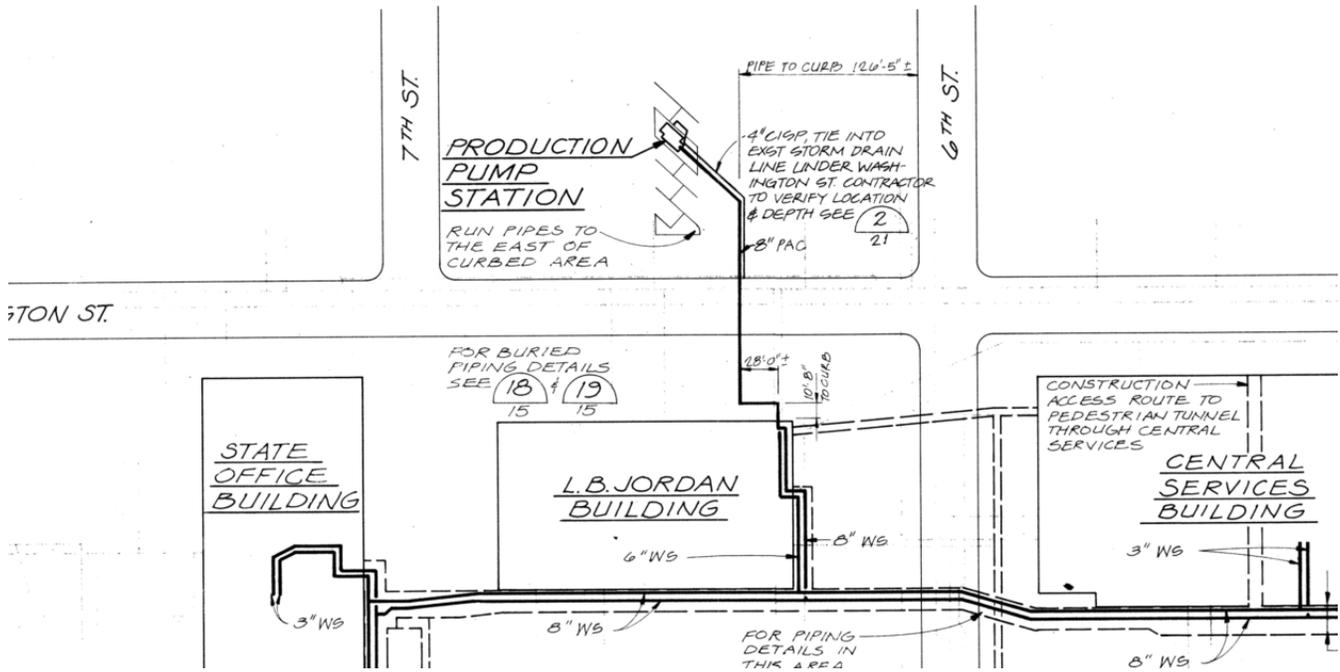


## APPROXIMATE PIPE LOCATIONS

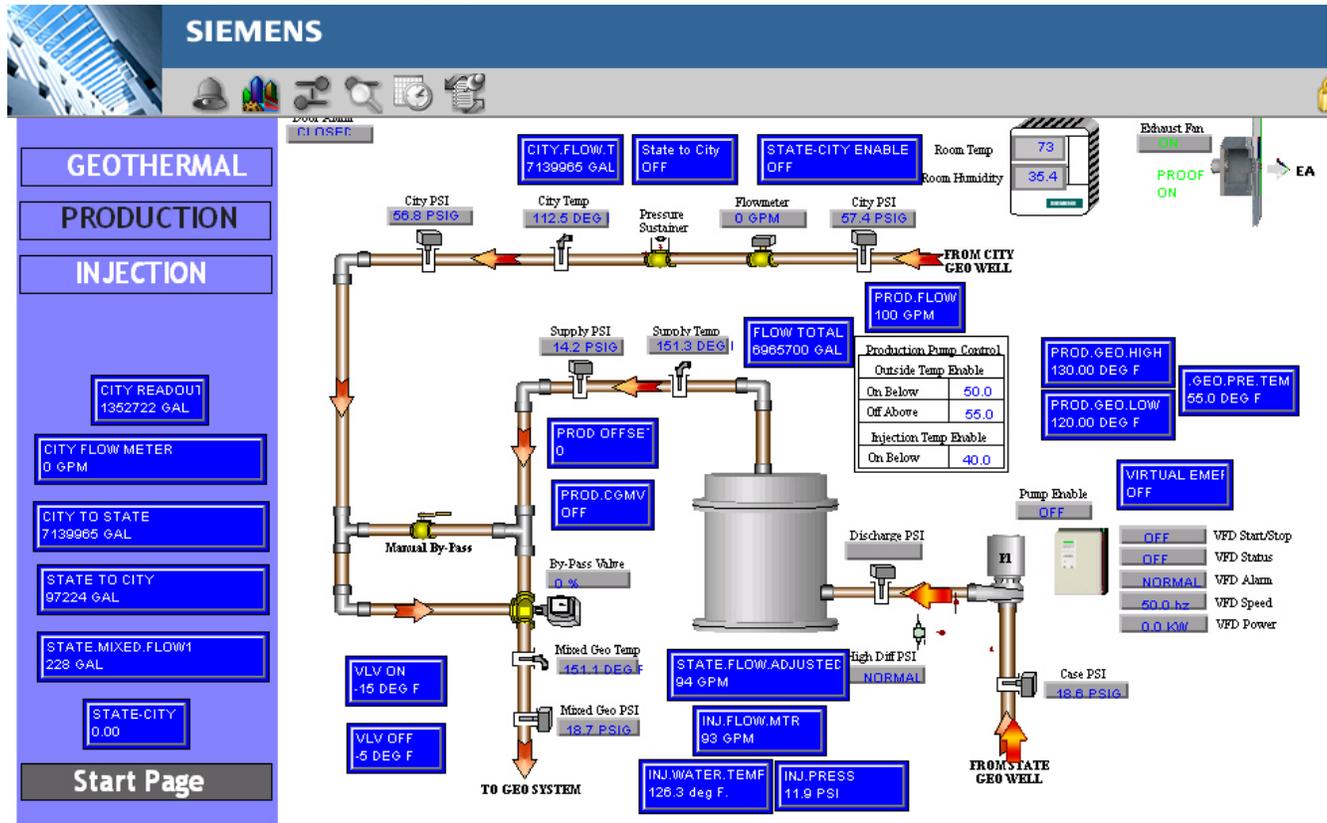


*“Serving Idaho citizens through effective services to their governmental agencies”*

ARCHIVED DRAWING FROM CHM2HILL, 1980



SIEMENS APOGEE CONTROLS



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