

PROJECT EXPERIENCE

EQUINIX DATA CENTER

DALLAS, TX



Year Completed:
2020

Owner:
Equinix

Architect:
Gensler

Construction:
DPR Construction

RLG Services:
Civil Engineering
Survey

PROJECT DESCRIPTION /SCOPE:

RLG Consulting Engineers, in partnership with Gensler, and DPR Construction, provided surveying and civil engineering services for the new Equinix data center located in the parking lot on the west side of Dallas' iconic Infomart. Built in 1986 by Trammell Crow, the Infomart is a 1.6 million-square-foot replica of London's Crystal Palace. The building once served as a wholesale marketplace for the tech industry. Over the last decade the building has transitioned into a structure that houses data centers to meet the region's growing demand. According to a 2016 survey, Dallas is the third-largest market for data center space in the nation, following Northern Virginia and Silicon Valley.

Equinix enlisted RLG to help with the first phase of design for two new data center buildings located next to the Infomart. RLG's team of licensed surveyors provided a topographic survey for the entire site – in addition to construction staking oncor easements, and water and wastewater easements. RLG's team of civil engineers worked to relocate water, storm sewer, sanitary sewer, and various private utilities that fell within the building footprint. RLG also coordinated with Dallas Water Utilities to provide utility connections and new water services for the building.

RLG coordinated with Trinity Watershed Management to approve a design of a new headwall and additional channel lining for the Cedar Branch Channel located near the site. Due to the channel lining being installed within Waters of the US, RLG also coordinated with The Corps of Engineers to confirm if a 404 permit would be required. The site was regraded to maintain the existing drainage pattern and to ensure that major equipment areas were able to drain properly. Additionally, RLG coordinated with stakeholders to properly grade the loading dock area and provide a design of a pedestrian ramp from the dock. The new building will help Equinix keep up with the growing demand for data centers in Dallas.