



JL GRAY PROTECTS NEW SUBDIVISION WITH RINKER MATERIALS™
Reinforced Concrete Box Culverts Keep Cantarra Meadows Dry in Heavy Storms



The Austin suburb of Pflugerville has grown about 50 percent in the past ten years and to help accommodate what is now nearly 65,000 residents, Continental Homes of Texas built Cantarra Meadows. A high-performance stormwater system with drainage capable of handling the heavy rain events common in the area was critical to transforming the flat farmland into a desirable 63-home subdivision. JL Gray Construction partnered with Rinker Materials™ to install the drainage features according to the civil engineer's stormwater system design requirements.

Annual rainfall in Austin is about 34 inches, which is several inches below the national average. However, it only rains about 50 days per year in Austin as compared to about 100 days on average across the U.S. As a result, the volume of precipitation that a stormwater system must manage during a rain



event in Austin is significantly greater than many other areas of the country. JL Gray Construction met this challenge by installing a double barrel run of 6' x 3' reinforced concrete



box culverts and multiple sizes of reinforced concrete pipe produced by Rinker Materials. In addition to handling stormwater drainage on a site with minimal grade change in any direction, the concrete box culverts also act as a filtration instruments by redirecting run-off into a sediment basin.

The 150-day installation of a stormwater system using reinforced concrete box culverts and reinforced concrete pipe contributed to the successful completion of phase one at Cantarra Meadows. Future residents in the subdivision will not only enjoy the comfort of new home construction, but the security of knowing flooding should never be an issue.