

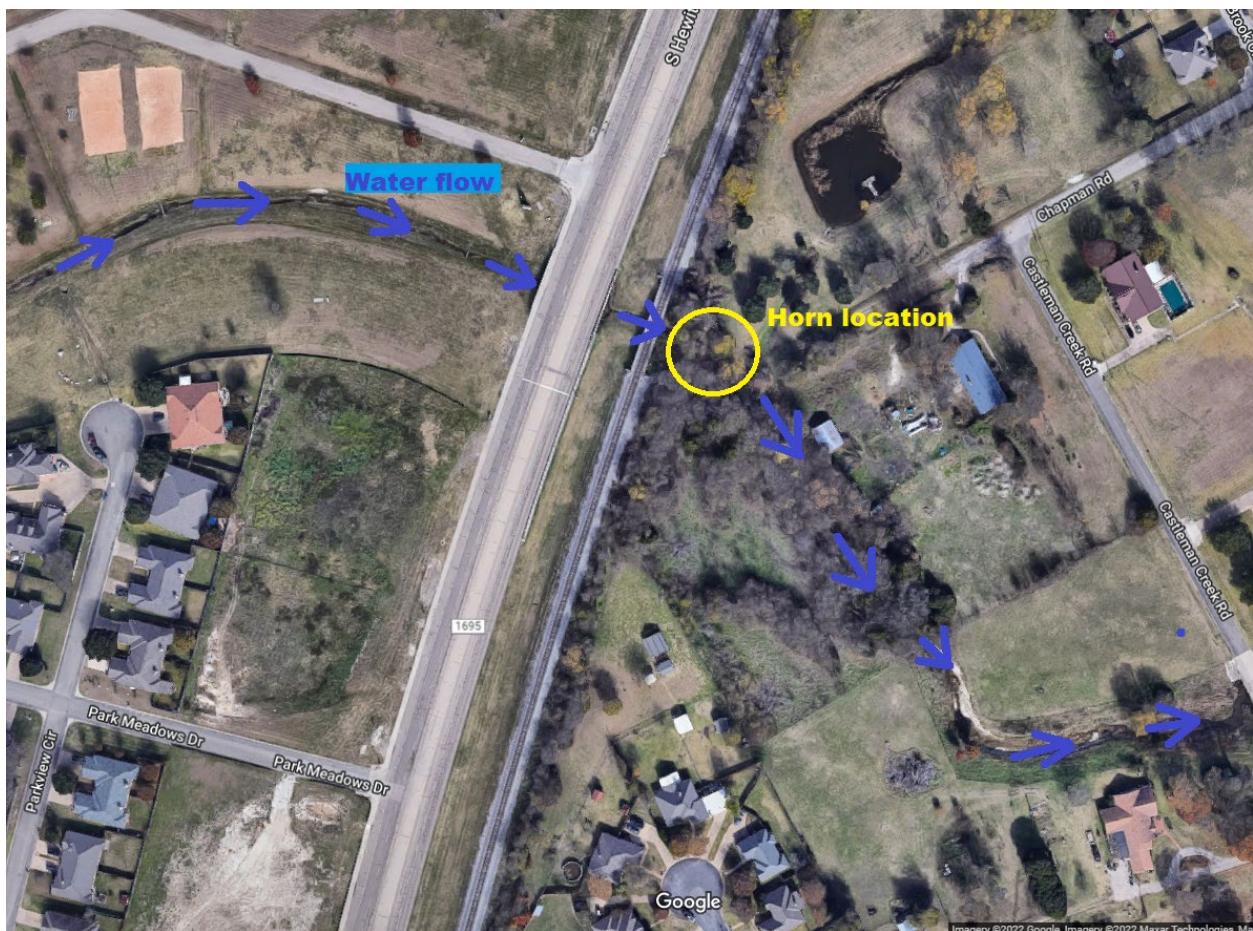
## Castleman Creek/ Chapman Road Creek Crossing.

The Castleman creek right-of-way crossing located at the dead-end of Chapman Rd had only a single 48" RCP drainage horn. The single 48" horn would not allow enough stormwater flow to keep up with the demand during heavy rains.

This portion of Castleman Creek takes in stormwater from a significant amount of property West of Hewitt Drive. This includes neighborhoods such as Park Place, Indian Creek, West Warren Road, Hewitt Park, and a portion of Ritchie Road. This area is prone to backing up during heavy rain events which can lead to water overflowing onto the bridge on Hewitt Drive.

To increase flow capacity in this location, staff has added 3 more 48" tin horns.

(Yellow is the crossing location, and the blue arrows represent the water path and flow direction)





(End treatment of cement to help avoid erosion)



(The original horn is on the left, and the horns new are on the right. The new horns were set approximately 12" higher than the old horn to avoid a water line that is in this location.)

