



## Brookfield 8<sup>th</sup> Watermain Loop Determination

Capstone Homes and the City of Ramsey have a longstanding, successful working relationship to provide exceptional homes to the residents of Ramsey. It is our desire to come to an agreeable solution regarding the watermain completion issue that has arisen during the planning process. We appreciate the City's willingness to consider cost sharing this aspect of the project given the long-term benefit that it will bring to the City of Ramsey as well as the residents of Brookfield 8<sup>th</sup>.

In the event that the City of Ramsey determines that it is willing to share cost of the watermain loop extension in the Brookfield 8<sup>th</sup> Addition with Capstone Homes, Capstone Homes would agree to cost share under the following circumstances:

- The cost of the water main loop extension not to exceed \$105,000.00.
- Capstone and the City of Ramsey would each pay 50% of the cost.
- The method of construction is a directional bore, Capstone would oversee the work of the project.

Should the City determine that it is not interested in a cost share option to complete the watermain loop, it will be Capstone Homes' position to dead end the watermain for Brookfield 8<sup>th</sup>. Our engineers have determined that the water quality and safety will not be impacted once 20% buildout has been accomplished for the 25 lots in Brookfield 8<sup>th</sup>.<sup>1</sup>


### How Safe is the Water on Your Dead-Ends?

Insert Information about Your Dead-End(s) Below in the YELLOW Cells to Find Out


<b>Step One:</b> Enter your pipe size in inches (2, 4, 6, 8, 10 or 12)	8
<b>Step Two:</b> Enter the length of your dead-end waterline in miles	0.28
Total Amount of Water in Pipe (in gallons)	3,860
<b>Step Three:</b> Enter the # of Service Connections on the waterline*	5
Amount of Uncirculated Water (in gallons)	2,110
# of Days to Consume Uncirculated Water (in gallons)	1.2
Estimated Water Tank Turnover (in days)	2

**FACTS ABOUT UNCIRCULATING WATER**


- EPA recommended minimum disinfectant residual is .5 mg/L (level varies by state)
- Within 200 hours (8.3 days) disinfectant residuals begin to dissipate and drop
- Disinfectant byproducts (DBPs) can begin to form within 4-7 days. If the cell t22 is greater than 4, the water may begin to become unsafe for consumers
- Kupferle's EPA Approved Automatic Flushing Systems (AFS) keep residuals consistent and reduce the threat of DBPs forming by removing old water. AFS flush less water more often and help keep water safe for consumers.



Eclipse 9400 Series



Eclipse 9700 Series




Eclipse 9800 Series

**Automatic Flushing Solution** (flushing minutes per day to keep water safe)\*\*

\*Avg household uses 350 gallons per day      \*\*based on 150 gpm flow rate      Click on images for more information

FALSE



**www.hydrants.com**  
800-231-3990

<sup>1</sup> <http://hydrants.com/water-quality-calculator>.