

January 9, 2019

City of Franklin Water Management  
Attn: Michelle Hatcher  
109 3<sup>rd</sup> Ave. S.  
Franklin, TN 37064

**RE: Water Service, Christ Community Church, COF # 6858**

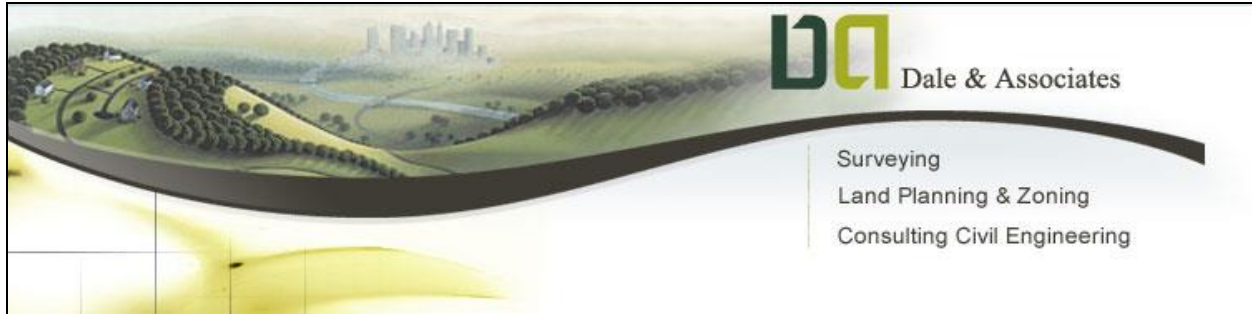
Michelle,

As a follow up to our meeting on Monday, January 7, 2019, I am sending you this letter to provide a brief summary of the project and the water line configuration we would like to propose.

Christ Community Church was originally built around 2000-2001. At that time, it is our understanding that a capacity letter was issued for 22.9 SFUE, or 8,015 GPDs. While the full build-out of the facility was not completed, the church has been in operation since that time, with an approximate congregation fluctuating from about 1,000 – 3,000 people at any given time over the last 18 years. The church offices have been keeping track of meter readings and bills since 2005, and I will attach a copy of their spreadsheet for your reference. With the exception of 2012 – 2014, it appears the facility operates with a total gallon usage of about 750,000 – 1,500,000 gallons per year. That equates to about 2,000 – 4,000 GPD in actual usage. (Rounding the numbers for the sake of this letter). Therefore, it appears the church has not operated within half of its allotted usage from the original capacity letter issued. I don't know if this matters in the case of the water service configuration, but I thought it worth pointing out.

The church is now intending to move forward on expanding their current facilities. We recently completed a rezone and PUD Development Plan process through Franklin. Part of this expansion includes a new youth facility that will be housed in a new separate building immediately north of the existing building. In order to go through that process we obtained a new capacity letter for this youth building only for approximately 13 SFUEs. As stated in our meeting, it is our opinion that the new building is simply a continuation of the overall church facility and would be considered the same 'premise'. We also understand that Franklin has its own policies and interpretations within the water regulations, and we certainly respect that. In prior conversations with Franklin staff, it is our understanding that staff's position is that this new building would be considered a new 'premise' and therefore would need a new separate water meter and service. This is the item we wish to discuss with the appropriate board.

The existing water lines serving the church tap off of the main in Hillsboro Road, are routed through an existing meter and RPBP, and then are routed through the church campus. There are



two water lines running directly in front of the proposed youth building. These consist of one 8” fire line, and one 6” domestic line. It is our proposal to tie the youth building service line into this existing 6” domestic line. The 6” domestic line is more than enough to provide adequate flows/pressures to the new building and this line is already metered and on the church’s side of the backflow preventer. Therefore, all domestic flows to this new building would be metered and be safe from backflow. Furthermore, because this 6” line is so large, it would be prudent to pull more flow from this line so that it does not become too stagnant.

If we were to install a new meter, backflow, and line to the proposed youth building, this would result in an additional cost that we believe to be unnecessary considering there is already an active line directly in front of the building. The new service would be approximately 550 linear feet from the potential location of the new meter at Hillsboro Road.

Finally, when dealing with any interpretations or potential variances we understand the challenge of setting a precedent. The proposed youth building is unique from other projects in that it is not a separate building with a separate use, or a new component to the existing campus. If this were a new project and Franklin required separate taps, then the water configuration on site could be adjusted accordingly in that design. In this instance, the youth building is a continuation of an overall plan that was in existence since 2001. This is evident by the fact the water line is looping far around the existing building in preparation for future additions, and also that building pads were prepared for future expansion. Furthermore, the size of the 6” domestic line can only be assumed to be installed because it was intended to have additional usage accessing it. The youth building is exactly what was intended from the start – an extension of the current overall church facility.

We greatly appreciate staff’s time to listen to our position and consider solutions. It is our opinion that the new youth building should be considered the same ‘premise’ as the church since it is actually a continuation of the same use. However, should Franklin determine that the youth building is actually a new ‘premise’, then we would also like the opportunity to seek any necessary variances to allow us to tie onto the existing domestic line for the reasons above.

Sincerely,

*Adam Seger*

Adam Seger, PE