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07/25/2019

Shane Cummings, P.E.
Utility Civil Engineer
Harnett Regional Water
700 Mckinney Parkway
Lillington NC, 27546

**RE: Full Gospel Tabernacle Church
Draper Aden Associates Project No.18080144-01**

Dear Mr. Cummings:

Please see the provided comment responses in **bold** to your comments on the utility layout for Full Gospel Tabernacle Church.


1. The proposed connection to the existing 12-inch main will require a tapping sleeve and valve on any service tap 2-inch and larger.
1. Tap updated to read "12-inch tapping sleeve with 2-inch gate valve". See sheet C5.0.
2. The existing 12-inch water main should be noted as AC.
2. Updated multileader to read "12-inch AC water line". See C3.0 & C5.0.
3. The existing sewer main should be noted as PVC.
3. Updated multileader to call out PVC sewer main. See C3.0 & C5.0.
4. Will there be any food preparation in the proposed building? Please include a grease trap in accordance with the Sewer Use Ordinance as applicable.
4. No food preparation is included as part of this work.
5. The water meter must be installed within the NCDOT R/W.
5. Water meter moved further inside NCDOT R/W for clarification. Multileader updated to read, "1" WATER METER IN R/W". See C5.0.
6. Note the separation between the gravity sewer and proposed 2-inch service line.
6. Note added, "MAINTAIN 24" VERTICAL SEPARATION OF WATER SERVICE AND SANITARY SEWER". See C5.0.
7. Note the method of installation for service line across Hwy 55. Conduit/sleeve is preferred for large services under highways.

7. **4" schedule 40 PVC sleeve to be used to install water service. See C5.0.**
8. Why is the water service tubing reducing before the 1-inch meter? HRW uses ¾-inch, 1-inch, and 2-inch service lines. If the water meter is 1-inch why is the service lines different sizes than 1-inch?
8. **Water service updated to 1" into RPZ Hot Box. 1.5" service line is outside of NCDOT R/W and is there to assist with pressure losses. See C5.0.**
9. Is the proposed usages just for the 10,000Sq Ft Building? The Plan review documentation notes 281 seats @ 843gpd. Please confirm these usages because they do not correspond with the usages on the plans.
9. **The 281 seats listed on the corner is for the main assembly area only. The usage on sheet C5.0 of 2160 GPD is for max occupancy of the building.**
10. Include NCDOT Encroachment Agreement.
10. **NCDOT Encroachment Agreement included.**

If you have any further questions, please reach out to me at ajackson@daa.com or 919-827-0864.

Sincerely,

Draper Aden Associates



J. Austin Jackson
Project Designer

cc: Jay Sikes, file