



MEMORANDUM

Via Electronic Mail

ZC Case No. 14-12 – 1309-1325 5th Street, NE **Applicant Information Regarding Infrastructure** **Created by Bohler DC**

The proposed project will be served by both existing and proposed underground utility infrastructure. There will be upgrades needed for the service laterals to the building, but no upgrades will be required for the public mains within 5th or 6th Streets NE. A detailed description for each utility is provided below:

WATER

The existing south building is served by two laterals connected to the 12" diameter water main in 5th Street NE. The existing fire water service lateral is 8" diameter and has enough capacity to provide fire service to the proposed building improvements. The existing domestic water service lateral and meter vault is 3" diameter and will be removed and replaced with a 6" domestic water service lateral and meter vault. The new domestic water lateral will also connect to the 12" diameter water main in 5th Street NE.

SANITARY SEWER

The existing south building is served by a single combined 6" diameter lateral connected to the 15" combined sewer main in 5th Street NE. As a part of the proposed improvements, the building's grease trap will be relocated to the northeast portion of the building. The existing lateral out to the combined sewer main in 5th Street NE will be abandoned and there will be a new 12" diameter lateral installed and connected to the existing 2'x 3' diameter combined sewer main in 6th Street NE.

STORM SEWER

The existing south building storm sewer is served by the same combined 6" diameter lateral that is connected to the 15" diameter combined sewer main in 5th Street NE. As the proposed project is required to meet the new DDOE stormwater regulations, the proposed storm sewer improvements include the installation of green roof areas and an underground cistern for stormwater reuse within the building. Stormwater flows greater than the design storm event will outlet via a new bypass lateral which will be connected to either the existing 15" diameter combined sewer in 5th Street NE or the existing 2'x 3' diameter combined sewer in 6th Street NE. The final lateral location and connection point will be dependent on the final location of the underground cistern.

NATURAL GAS

The existing south building is served by laterals connected to the existing 6" diameter gas main in 5th Street NE. The proposed building improvements will utilize the existing gas equipment, but may require removing and replacing the gas service lateral. The proposed building will ultimately be provided natural gas service from the same existing gas main in 5th Street NE.