



GEORGIA

DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Richard E. Dunn, Director

Coastal District

1050 Canal Road
Brunswick, GA 31525-6856
912-264-7284

February 24, 2023

W. Todd Kline, P.E.
Director of Engineering
BGJWSC
1703 Gloucester Street
Brunswick, GA 31520
Via email: tkline@bgjwsc.org

RE: **Plan Approval for North Mainland Water Loops Project - 44 Proposed Service Connections**
Brunswick-Glynn County Joint Water and Sewer Commission - (WSID# 1270000)
EPD Project Number: CD23-008
Glynn County

Dear Mr. Kline,

Plans and specifications for the above referenced project, submitted by Four Waters Engineering, last revised January 12, 2023, have been reviewed for compliance with the Rules for Safe Drinking Water (Rules) and the Minimum Standards for Public Water Systems, March 2021 (Minimum Standards). The **drinking water** portion of the project is hereby approved by the Georgia Environmental Protection Division, contingent upon the following conditions:

1. Blow-offs located in chambers, pits or manholes in areas of high groundwater levels are subject to flooding, potentially contaminating the distribution system. All blow-offs must be installed to terminate above ground.
2. All pipes, gaskets, materials and related system components in contact with potable water shall be certified for conformance with the American National Standards Institute/National Sanitation Foundation Standard 61 (ANSI/NSF 61).
3. All treatment chemicals that come into contact with drinking water shall be certified for conformance with American National Standards Institute/National Sanitation Foundation Standard 60 (ANSI/NSF60).
4. Water mains and water service lines shall be laid to provide a horizontal separation of at least 10 feet horizontally and at least 18 inches vertically between the outside of the water pipe and the outside of existing or proposed house sewer, storm sewer or sanitary sewer. This shall be the case where the water pipe is either above or below the sewer with preference to the water pipe located above the sewer.
5. When water mains cross below house sewers, sanitary sewer, or storm sewer both the sewer and water pipe shall be constructed of materials and with joints that are

equivalent to water main standards of construction for at least 10 ft beyond the crossing in both directions and be subjected to hydrostatic tests. Another acceptable option is encasing either the water main or sewer with seamless, jointless pipe constructed of water main materials for a distance of at least 10ft. beyond the crossing in both directions, kept separate from the carrier pipe with casing spacers, and the annular spaces formed at the end of the carrier pipes must be made watertight with flexible boot type end seals.

6. Any pipe, pipe fittings, plumbing fittings or fixtures, solder, or flux used in the installation or repair of a public water system must meet the new definition of lead free meaning: (a) not containing more than 0.2 percent lead when used with respect to solder; and (b) not more than a weighted average of 0.25 percent lead when used with respect to the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures.
7. Approval or acknowledgment must be received for the wastewater portion of the project from EPD's Wastewater Regulatory Program, Municipal Permitting Unit; they can be reached at (404) 463-1511.
8. If applicable to your site, you must file a Notice of Intent (NOI) with the Division to be covered under the General Permit for Storm Water Discharges Associated with Construction Activities.

The approved project consists of the construction and installation of approximately **4,498** linear feet of **twelve (12)** inch PVC water mains, **577** linear feet of **sixteen (16)** inch, **455** linear feet of **ten (10)** inch HDPE water mains fire hydrants and all related valves, fittings and appurtenances to serve forty-four (44) proposed service connections and improve reliability of the water system by completing a water system loop.

Please note that any significant deviation from the approved plans or specifications must receive prior approval by the Division in accordance with Safe Drinking Water Rules Section 391-3-5-.05(5).

Please be reminded that the construction of the drinking water project must meet all the requirements of the Georgia Rules for Safe Drinking Water, Chapter 391-3-5. In accordance with Chapter 391-3-5-.05(6):

“Upon completion of the installation of the public water system or any modification, the Owner must send to the Division a statement from the Engineer who prepared the plans and specifications that the system, as installed, is in accordance with the approved plans and specifications.”

This approval is valid for one (1) year from the date of this letter. If the construction has not begun by that date, the Division may choose to reevaluate the project with regard to the Rules and Regulations in effect at that time.

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Be advised that this Plan Approval is site specific and not a future guarantee of permitted water capacity being available beyond what is currently permitted by the Division or by the regulations. Furthermore, this approval does not account for future water demand because of growth or otherwise, and that the responsibility of planning for such lies with the permittee.

One (1) set of digital plans and specifications has been retained for our records. If you have any questions or concerns, please contact me at 404-859-3769.

Sincerely,

Omar El-Koussy
Environmental Engineer
Coastal District

cc: Dwaine Falls, P.E, Four Waters Engineering
Coastal District Files