

AMENDMENT NO. 2
AGREEMENT FOR ENGINEERING SERVICES
RAW WATER CAPACITY MASTER PLAN
CROSSVILLE, TENNESSEE

WITNESSETH, there exists an AGREEMENT entitled "*Agreement for Engineering Services – Raw Water Supply Evaluation*" dated July 11, 2017 by and between the CITY OF CROSSVILLE, TENNESSEE as OWNER and J. R. WAUFORD & COMPANY, CONSULTING ENGINEERS, INC. as ENGINEER; and

WITNESSETH, that the scope of the original AGREEMENT resulted in the ENGINEER producing the report entitled "*Raw Water Study*" dated November 2017, and

WITNESSETH, that the OWNER and ENGINEER met with representatives of the Corps of Engineers on February 26, 2018 regarding raising the Meadow Park Lake Dam which resulted in the OWNER deciding to proceed with additional investigations with other regulatory agencies, and

WITNESSETH, that the OWNER is desirous of employing the ENGINEER to develop estimated construction costs related to improvements to the raw water storage and water treatment facilities, and

WITNESSETH, that the OWNER desires for the ENGINEER to prepare a recommended chronology of projects or Raw Water Capacity Master Plan for the OWNER to follow, and

WITNESSETH, that the OWNER and ENGINEER desire to modify the AGREEMENT to add consideration for the added scope.

NOW, THEREFORE the OWNER and the ENGINEER agree as follows:

1. Add Paragraph 1.1 RAW WATER CAPACITY MASTER PLAN as follows:

"1.1 RAW WATER CAPACITY MASTER PLAN

- a. Scope of Work

The ENGINEER shall conduct preliminary engineering and prepare planning level project cost estimates for the following alternatives:

- (1) Alternative No. 1 – Consolidate Water Treatment at Meadow Park Lake
 - (a) Raise Meadow Park Dam
 - (b) Expand Meadow Park Water Treatment Plant (WTP) to 10.5 MGD in two phases
 - (c) Construct facilities to transfer raw water from Holiday Hills Lake to Meadow Park Lake
 - (d) Construct improvements to provide for adequate transfer of treated water within the distribution system
 - (e) Abandon Holiday Hills WTP

- (2) Alternative No. 2 – Continued Use of Two Water Treatment Plants
 - (a) Raise Meadowpark Lake Dam
 - (b) Expand Meadowpark Lake WTP to 7.0 MGD
 - (c) Expand and Renovate Holiday Hills WTP to 5.5 MGD

The ENGINEER shall prepare a preliminary engineering report summarizing the alternative analysis including the following:

- (a) Description of each alternative with dimensional schematics
- (b) Planning level estimates of total project costs
- (c) Life cycle cost analysis of each alternative
- (d) Description of permitting requirements associated with each alternative
- (e) Recommended alternative complete with suggested chronology and funding estimates

b. Compensation

The OWNER agrees to pay the ENGINEER the Lump Sum of FIFTEEN THOUSAND DOLLARS (\$15,000) for the work described in Paragraph 1. PRELIMINARY ENGINEERING SERVICES Item Nos. (1) through (6).

The OWNER agrees to pay the ENGINEER at the ENGINEER's standard hourly rates in accordance with Attachment No. 1 for the work described at Paragraph 1. PRELIMINARY ENGINEERING SERVICES, Item No. (7). Due to the undefined scope of work, a

budget ceiling price of \$15,000 is established with the anticipation that the work can be completed for this amount.”

The OWNER agrees to pay the ENGINEER the Lump Sum of SIXTY TWO THOUSAND FIVE HUNDRED DOLLARS (\$62,500) for the work described in Paragraph 1.1 RAW WATER CAPACITY MASTER PLAN.”

2. All other provisions of the AGREEMENT shall remain in full effect.

IN WITNESS WHEREOF they have executed this AMENDMENT NO. 2 this _____ day of _____, 2019.

ENGINEER:

OWNER:

J. R. WAUFORD & COMPANY,
CONSULTING ENGINEERS, INC.

CITY OF CROSSVILLE, TENNESSEE

BY: _____
J. Gregory Davenport., P.E.
President

BY: _____
James Mayberry
Mayor

ATTEST:

ATTEST:

Robert S. Qualman, P.E.
Corporate Secretary

Valerie Hale
City Clerk