



**INDIAN RIVER COUNTY, FLORIDA
DEPARTMENT OF UTILITY SERVICES**

Date: January 17, 2018
To: Jason E. Brown, County Administrator
From: Vincent Burke, P.E., Director of Utility Services
Prepared By: John M. Boyer, P.E., Utilities Engineer
Subject: Approval of Blue Goose Construction Work Authorization No. 2018-001
 "128th Court Water Main Extension"

DESCRIPTION AND CONDITIONS:

County residents recently approached the Indian River County Department of Utilities Services (IRCDUS) and requested that the County water system be extended to serve their properties. These residents have entered into a "complex connection" agreement with IRCDUS, and paid a deposit for the design and construction of the water main extension.

The resident's cost is based on the construction of a 4" water main, which would be the minimum pipe size for this application. However, staff also considered the provision of fire protection and phase 2 of the future North County Septic to Sewer project, which will include the construction of 6" water main in the subject neighborhood. Staff therefore decided to construct a 6" water main.

Since the fire protection and future connectivity will provide public benefit beyond the participating residents, subject to Board approval, IRCDUS will cover the additional cost for the larger pipe. There are six participating residents that own 9 benefitting properties. The costs are summarized as follows:

| | |
|----------------------------|--------------------|
| Estimated Cost of 6" Main: | \$65,967.85 |
| <u>Residents' Share:</u> | <u>\$39,355.00</u> |
| County's Cost: | \$26,612.85 |

A breakdown of labor and material cost for the 6" main is presented in the Analysis below.

ANALYSIS:

Staff has determined the most efficient and timely method to construct the subject water main is to utilize the IRCDUS labor contractor, Blue Goose Construction. A list of the anticipated labor and material quantities was prepared, and bid prices from the Blue Goose Construction contract were used to calculate the labor expense. The total material cost was based on unit prices derived from the Annual Contract for Utility Warehouse Stock.

Construction cost breaks down as follows (see Attachment 1):

| | |
|---|--------------------|
| 1. Labor Expense (Blue Goose Construction): | \$35,634.06 |
| 2. Materials: | \$24,643.79 |
| 3. <u>Permits & Services</u> | <u>\$ 5,690.00</u> |
| Total Construction Cost: | \$65,967.85 |

FUNDING:

Funding for this project is derived from the capital funds. Capital fund revenues are generated from impact fees and line extension fees. Growth has contributed to the need for the expansion, and the growth will benefit from said expansion.

| ACCOUNT NAME | ACCOUNT NUMBER | AMOUNT |
|------------------------------------|------------------|-------------|
| 128 th Court Water Main | 472-169000-18504 | \$65,967.85 |

RECOMMENDATION:

Staff recommends that the Board of County Commissioners approve Work Authorization No. 2018-001 to retain Blue Goose Construction to construct the water main extension, and to authorize staff to direct purchase materials, permits, and services.

ATTACHMENT(s):

- 1. Cost Estimate – Labor & Material
- 2. Work Authorization No. 2018-001