

**AMENDMENT NO. 2
TO
AGREEMENT BETWEEN
THE CITY OF MAITLAND, FLORIDA
AND
BURGESS & NIPLE, INC.
FOR
PROFESSIONAL ENGINEERING SERVICES**

WITNESSETH: That there is an existing AGREEMENT for engineering services dated on or about March 29, 2016 acquired under Purchase Order No. 20160579-00, between the City of Maitland, Florida hereinafter designated as the “City”, and Burgess & Niple, Inc., hereinafter designated as the “B&N”, for professional services in connection with the design, bidding and construction of the Lift Station No. 10 force main project.

WHEREAS, the OWNER previously requested additional professional services to perform a flow study to determine what improvements, if any were necessary to accommodate the initial phase flows and subsequently, the ultimate buildout flows from the Maitland Concourse North development; and

WHEREAS, this Amendment No. 2 provides additional professional services as requested by the City in connection with implementing the recommendations from the above flow study, accommodating the initial and future flows from the Maitland Concourse North development and extending the limits of survey and design of the proposed LS No. 10 force main to the Maitland Center Parkway, Keller Road intersection and provides for payments to B&N associated with the additional above referenced services.

NOW, THEREFORE, in consideration of these premises and mutual covenants hereinafter set forth, it is agreed as follows:

Pursuant to **SECTION II – CONSTRUCTION CONTRACT DOCUMENTS** of the AGREEMENT:

Add Paragraph 11 within subsection A as follows:

- “11. B&N will incorporate the recommendations from the Maitland Concourse North flow study dated November 1, 2016 as summarized below.
- a. Design approximately 720-feet of 10-inch gravity sewer via pipe bursting the existing 8-inch gravity sewer and incorporate a new receiving manhole in front of the Orangewood School along Sandspur Road. The increase in size is necessary to accommodate the ultimate Maitland Concourse North projected flows.
 - b. Design improvements to LS No. 17 to accommodate the ultimate Maitland Concourse North projected flows including upsizing the existing pumps and upgrading the associated electrical components accordingly.
 - c. Design connections for the LS No. 17A force main and LS No. 17C force main to the proposed LS No. 10 force main.”

Add Paragraph 12 within subsection A as follows:

“12. B&N will extend the design of the LS No. 10 force main approximately 2,200-feet from the Maitland Center Parkway, Trafalgar Court intersection west to the Maitland Center Parkway, Keller Road intersection. Upon field verification of pipe sizes, the existing gravity sewers along Maitland Center Parkway are not adequate to accommodate the project’s proposed flows. Therefore, extension of the proposed LS No. 10 force main to terminate in the existing 18-inch gravity sewer at the Maitland Center Parkway, Keller Road intersection is required. Topographic survey of the westbound lanes of Maitland Center Parkway will be provided by Lochrane Engineering, Inc.”

Pursuant to **SECTION X – PAYMENT FOR PROFESSIONAL SERVICES** of the AGREEMENT:


Replace Paragraph A in its entirety to state:

“For the professional services rendered in accordance with **SECTION II-CONSTRUCTION CONTRACT DOCUMENTS**, the City agrees to pay B&N a lump sum fee of \$29,690 inclusive of expenses. See Appendix D for a breakdown of this lump sum fee and Appendix E for the surveying subconsultant fee proposal.”

IN WITNESS, WHEREOF, the parties hereto approve this Amendment No. 2 and indicate same by affixing their hands and seals this _____ day of _____, 2017.

BURGESS & NIPLE, INC.

CITY OF MAITLAND, FLORIDA



Scott D. Perfater, PE
Vice President

Sharon M. Anselmo, CPA, ICMA-CM
City Manager

SDP:aev
05/16/17

**APPENDIX D
BURGESS & NIPLE, INC.
LUMP SUM FEE BREAKDOWN**

1. SUMMARY OF PROPOSED COMPENSATION

Activity Description	Activity Cost
Lift Station No. 10 Force Main - Amendment No. 2	<u>\$10,374.54</u>
SUBTOTAL Lump Sum Fee	\$10,374.54
Subconsultant Description	Subconsultant Cost
EMI Consulting Specialties, Inc. - Electrical Engineering	\$7,135.00
Lochrane Engineering, Inc. - Surveying & Mapping	<u>\$12,175.00</u>
SUBTOTAL Subconsultant Fee	\$19,310.00
<i>MAXIMUM AMOUNT PAYABLE</i>	<i>\$29,684.54</i>

City of Maitland
Lift Station No. 10 Force Main
Amendment No. 2
May 16, 2017

2. FEE ANALYSIS

Lift Station No. 10 Force Main - Amendment No. 2
(Time in Person-Hours)

<u>Description</u>	<u>B&N Principal</u>	<u>Project Manager</u>	<u>Senior Engineer</u>	<u>Project Engineer</u>	<u>Engineering Technician</u>	<u>Secretary/ Clerical</u>	<u>Item Totals</u>
<i>Maitland Concourse North Accommodations</i>							
Pipe Bursting Existing Gravity Sewer (3 sheets anticipated)		1	4	30			35
Lift Station No. 17 Upgrades		1	2	4			7
<i>Extension of Project Limits</i>							
Force Main Design (4 sheets anticipated)	0	2	6	40	0	0	48
TOTALS	0	4	12	74	0	0	90

Assumptions:

1 Existing flow information and pump data on Lift Station Nos. 17, 17A and 17C to be provided by the City.

Lift Station No. 10 Force Main - Amendment No. 2
 (Time in Person-Hours)

Employee Classification	Person Hours	Hourly Rate	Cost
Principal	0	\$230.29	\$0.00
Project Manager	4	\$173.72	\$694.88
Senior Engineer	12	\$148.47	\$1,781.64
Project Engineer	74	\$106.73	\$7,898.02
Engineering Technician	0	\$85.36	\$0.00
Secretary/Clerical	<u>0</u>	\$78.75	<u>\$0.00</u>
Subtotal	90		\$10,374.54
Direct Cost			
None Anticipated			<u>\$0.00</u>
Subtotal			\$0.00
<i>TOTAL Lift Station No. 10 Force Main - Amendment No. 2</i>			<i>\$10,374.54</i>

APPENDIX E
LOCHRANE ENGINEERING, INC.
SUBCONSULTANT FEE PROPOSAL

April 24, 2017

Mr. Scott D. Perfater, PE
Burgess & Niple, Inc.
1800 Pembroke Drive, Suite 265
Orlando, FL 32810
Ph: (407) 401-8527
Email: scott.perfater@burgessniple.com

**Re: Topographic and Underground Utility Services
City of Maitland
Lift Station No. 10 Force Main
Maitland, Florida**

Dear Mr. Perfater:

Lochrane Engineering Inc. (Lochrane) is pleased to present our proposal to Burgess & Niple, Inc. (client) to provide additional Topographic Survey and Underground Utility Services for this project per the request received from you on April 19, 2017. The request is to perform a Topographic Survey, Designate and Survey the Underground Utilities, and calculate the apparent right of way lines within the extended project limits as approximately shaded in yellow on the exhibit attached hereto. The limits are further described as along the west-bound lanes of Maitland Center Parkway beginning at the third sanitary sewer manhole north and west of N Lake Destiny Road and ending at the approximate center of Keller Road for a width from the southerly edge of the grass median to the northerly apparent right of way line.

Scope of Services:

Topographic Survey: Lochrane will perform a 3D topographic survey of visible above-ground improvements within the above described limits. The survey will also include visible surface evidence of underground utilities, sanitary sewer inverts, storm sewer inverts and the approximate limits of landscape areas. The survey will be based on existing and/or new survey control relative to the Florida State Plane Coordinate system. The vertical datum will be assumed.

*A Boundary Survey is not included in the scope of this project.

Topographic Survey Deliverables: A digital drawing depicting the above topographic survey will be prepared in the appropriate CADD format desired by the client. The elevation information can be provided as contours, spot shots, TIN model, DTM surface, or a combination thereof in the appropriate format desired by the client. A signed and sealed survey is not included in the scope of this project; however, a Certified Survey Report will accompany the digital files. *(The deliverables previously provided will be updated with the extended survey limits).*

Apparent Right of Way Lines: Lochrane will update the previously provided apparent right of way line files to extend the apparent existing right of way lines of Maitland Center Parkway in the immediate vicinity of the project corridor. The right of way lines will be based on existing CADD files for the Interstate 4 (SR 400) Right of Way Map, Plats of Record, Orange County Right of Way Maps, last deed of record all tied to recovered local field monumentation which will also be relative to the Florida State Plane Coordinate System. The Certified Survey Report will also reference the R/W file.

*No alignment retracement survey or right of way line determination will be performed as part of the scope of this project.

Underground Utility Designation and Survey Location: A Sunshine 811 "LOCATE" ticket will be requested for the site to determine the utility providers within the project areas and to notify them of the request for coordination with the Lochrane utility locator.

These areas will be scanned for underground utilities using electronic detection devices and Ground Penetrating Radar (GPR). Any utilities detected and found within the project limits will be surface painted and flagged with the appropriate color as recognized by

Mr. Scott Perfater
City of Maitland
Lift Station No. 10 Force Main
April 24, 2017

the National Utility Locating Contractors Association (NULCA), or if marked by others, will be verified by the Lochrane utility locator.

Below is an estimated breakdown of the linear footage of utilities within the project limits based on previous project experience and a Sunshine 811 Design Ticket:

<u>Utility</u>	<u>Linear Footage</u>	<u>Remarks</u>
ATT FOC	150	FOC on Keller
BrightHouse FOC	2,200	FOC on N. side of Maitland Center Pkwy
BrightHouse CATV	2,200	Coaxial on N. side of Maitland Center Pkwy
CenturyLink FOC	2,200	FOC on N. side of Maitland Center Pkwy
CenturyLink BT	2,200	BT on N. side of Maitland Center Pkwy
City Maitland Water	2,200	Water on N. side of Maitland Center Pkwy
City Maitland Sewer	2,200	Gravity System
City Maitland Reuse	2,200	Assumption of 1 Reuse Main
Duke Energy	4,400	2 BE's on N. side of Maitland Center Pkwy
Seminole County Traffic	400	2 signalized intersections
Unknown / Retired	<u>3,053</u>	15% of Total
Total:	23,403	

Underground utilities that are detectable by the above methods, where surface evidence exists or where plans are provided to Lochrane showing the locations thereof can be designated. However, some underground utilities may not be made of a conductive material or may not return a GPR echo and therefore cannot be designated with electronic prospecting equipment or GPR. Without surface evidence or existing plans, as provided to Lochrane, identification and designation of certain utilities will require soft excavation as described below.

Underground grease trap structures and pipes, underground septic tanks and drain fields, and underground fuel tanks are not included in the scope of this project.

Irrigation equipment and/or irrigation systems and their appurtenances are not included in the scope of this project.

Upon completion of the designation of the utilities, Lochrane will survey locate the underground utility markings based on the above mentioned survey control and datums.

**We ask that any available information from current surveys of the project site, research or plans obtained by the design engineer that depict historic utility information and any other pertinent information that has been obtained by the Engineering Design team regarding utilities at the project site be provided to Lochrane to help facilitate the location of the utilities.*

**Lochrane utilizes the above mentioned resources in addition to the knowledge of our experienced technicians to accomplish the goal of providing as much information regarding the subsurface utilities at this location as possible in the limited locations and by the methods described above. However, the information provided by Lochrane is also dependent upon the information provided by Sunshine State One Call of Florida request for utility owners and/or their representatives to provide information and/or to meet with our crew at the time of these activities to verify their facilities and to confirm the details of the subsurface utilities at this location.*

**It is expected that the Design Engineer will perform sufficient Utility Coordination with the Utility providers in this location to ascertain and affirm the information from these efforts and to confirm that no other subsurface utility is possibly undetected by these efforts. It is also understood that the Contractor is responsible to abide by Sunshine State One Call, Florida State Statutes # 556.106.*

Mr. Scott Perfater
City of Maitland
Lift Station No. 10 Force Main
April 24, 2017

Underground Utility Deliverables: A Sunshine State 811 locate ticket will be requested and documentation of this and any information obtained from the utility companies or their representatives will be shown in a utility contact log. A copy of the utility contact log will be provided along with a digital drawing depicting the utilities in the appropriate CADD format desired by the client. A signed and sealed survey is not included in the scope of this project; however, a Certified Survey Report will accompany the digital files and reports. *(The deliverables previously provided will be updated with the extended survey limits).*

Professional Fees (Lump Sum):

Topographic & Underground Utility Survey.....\$12,175.00

Schedule: Lochrane is prepared to begin work on this project within 10 business days or sooner of receiving your written authorization to proceed. We anticipate that the effort will be completed within 20 business days or less thereafter, weather permitting. This schedule and proposal would be valid for 30 days from the date of this letter.

Permits: It is understood that if any permits to perform this work are required that it will be obtained by the client or their representative and that no cost associated with obtaining said permits are included in these fees.

Access: It is understood that if site access is required, Burgess & Niple, Inc. will coordinate with the proper entities to allow the Lochrane crew to access this site.

Payment of Invoices: Invoices are due and payable within 30 days upon receipt thereof and Burgess & Niple, Inc. is responsible for insuring the payment of these services regardless of the outcome of third party agreements such as land transactions or governmental agency approvals. Invoices will be submitted monthly and will be based on percent complete for the particular billing cycle. If the client is depending on payment from others it is understood and agreed that invoices will be submitted monthly by the client to the appropriate parties for payment to Lochrane regardless of pending activities or other invoicing by the client. Failure to receive payment after 60 days will result in imposition of legal actions to insure payment. It is agreed by the client that fees for such legal action will be the responsibility of the client.

We appreciate the opportunity to provide you with this proposal. Please review this proposal and contact our office if you have any questions. We look forward to working with you on this project.

Sincerely,

LOCHRANE



Michael J. Cavallere, P.S.M.
Principal - Survey Services

you **envision.**
together we **create.**

Authorization to Proceed:

Signature

Printed Name: _____

Title: _____

Date: _____



Westhall Ln

Trailgar Ct

Maitland Center Pkwy

Winderley Pl

N Keller Rd

N Lake Destiny Rd

Marland Blvd

414



1000 ft

Google earth

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APPENDIX F
EMI CONSULTING SPECIALTIES, INC.
SUBCONSULTANT FEE PROPOSAL

EMI Consulting Specialties, Inc.

5742 River Bed Rd
 Groveland, FL 34736
 (352) 460-4034
 (352) 460-4036 (Fax)

Fee Estimate

DATE	ESTIMATE NO.
/5/17/2017	1732

CLIENTS NAME / ADDRESS
Burgess and Niple, Inc. 1800 Pembroke Drive, Suite 265 Orlando, FL 32810

PROJECT
Maitland LS#17 Expansion

CATEGORY	DESCRIPTION	HRS	COST	TOTAL
	Task I (Final Design)			
Clerical	General clerical, filing, invoicing, correspondence, etc.	5	32.00	160.00
Site Visit	Data gathering, site investigation, photos, field notes etc.	4	125.00	500.00
Engineering	Design related to new power and control system with generator and automatic transfer switch	28	125.00	3,500.00
Specification	Create or edit and compile design specifications.	6	125.00	750.00
Design (CADD)	Design, drafting (CADD), & in-office plotting for EMI review and coordination.	30	70.00	2,100.00
	Drawing List			
	E-1 SITE PLANS			
	E-2 POWER RISER & DETAILS			
	E-3 DETAILS			
Permitting	Sign and seal for FDEP only	1	125.00	125.00
	Deliverables:			
	Digital EMI specifications (Word) (EMI Format)			
	Digital version of EMI Drawings AutoCADD Version 2013 or lower (EMI Format)			
	Exclusions:			
	Bidding Services			
	Production Plotting			
	Preliminary Design			
	Security Systems			
Lump Sum not to Exceed			TOTAL	7,135.00

EMI Consulting Specialties, Inc.

5742 River Bed Rd
 Groveland, Fl 34736
 (352) 460-4034
 (352) 460-4036 (Fax)

Fee Estimate

DATE	ESTIMATE NO.
/5/17/2017	1732

CLIENTS NAME / ADDRESS
Burgess and Niple, Inc. 5085 Reed Rd. Columbus, OH 43220

PROJECT
Maitland LS#17 Expansion

CATEGORY	DESCRIPTION	HRS	COST	TOTAL
	Surveillance Systems Fire Alarm and Protection Systems Base SCADA System Upgrades Plumbing HVAC Intercom Systems LEED Certifications Energy Calculations CADD Backgrounds Generator Fuel Systems Services related to Building Department Reviews and Permitting Bidding Services Construction Services WiFi System Assumptions: One person will be assigned to direct EMI's work. 90% and 100% submittals All electrical work is on the Pump Station Site Standard EMI Insurances apply			
Lump Sum not to Exceed			TOTAL	\$7,135.00