

January 22, 2019

POLK COUNTY, A POLITICAL SUBDIVISION OF THE STATE OF FLORIDA

ADDENDUM #1 BID# 19-340

ERNIE CALDWELL RECLAIMED WATER MAIN IMPROVEMENTS PHASE 1

This addendum is issued to clarify, add to, revise and/or delete items of the Contract Documents for this work. This Addendum is a part of the Contract Documents and acknowledgment of its receipt shall be noted below and on the Bid Submittal Form.

Contained within this addendum: time extension; questions and answers received; revisions; Revised Bid Sheet.

The deadline for questions has been extended one (1) week to Monday, January 28, 2019 by 5:00 p.m.

The receiving period has been extended one (1) week. The revised receiving period is prior to 2:00 p.m., Wednesday, February 6, 2019.

The Bid Opening date has been extended one (1) week to Wednesday, February 6, 2019 at 2:00 p.m. or as soon as possible thereafter.

The **Addendum 1 Revised Bid Sheet** is available on Procurement's FTP site. The web address is <ftp://ftp3.polk-county.net>. User ID is *procurevndor*, Password is *solicitation*. Right click on the file "BID 19-340 Ernie Caldwell RCWM Improvements Phase 1"; select "Copy to folder" to download the bid documents, specifications, and drawings; you may view the content in the folder you saved the file to.

Ari Goldstein

Ari Goldstein
Procurement Analyst
Procurement Division

This Addendum sheet should be signed and submitted with your bid submittal.

Signature: _____

Printed Name: _____

Title: _____

Company: _____

BID 19-340
ERNIE CALDWELL RECLAIMED WATER MAIN
IMPROVEMENTS PHASE 1
ADDENDUM #1

QUESTIONS AND ANSWERS:

Question 1: Is there a required percentage of minority owned businesses that must be subcontracted for this project?

Answer: While there is no required percentage, the County does require a good faith effort be made to secure the services of minority owned businesses. Please refer to Sections 20.0, "Requirements to list Subcontractors" and 21.0, "Women/Minority Business Enterprise Outreach (W/MBE's)" located on page IB-7 of the Bid Documents.

Question 2: What is the anticipated start date for the project?

Answer: The anticipated start date will likely be around late spring, early summer 2019.

Question 3: Has the County performed a gopher tortoise survey?

Answer: The County had commissioned a survey that was completed on November 1, 2017. The gopher tortoise survey will need to be completed again within 90 days of performing work in the area of the identified gopher tortoise burrow (Technical Specifications, "Wetland Delineation / Species Listed Memorandum," Section 2.3.7 – Gopher Tortoise).

Question 4: Will the Contractor be responsible for the cost of the survey and permitting as well as the relocation costs of the gopher tortoise in which they incur?

Answer: The Contractor is responsible for performing a gopher tortoise survey as described in the contract documents. A line item has been added to the Addendum 1 Revised Bid Sheet for the cost of the survey. In the event that a gopher tortoise is located within the project area and requires relocation, the fees associated with relocation will be reimbursed as part of a contingency funds request.

If the gopher tortoise burrow is found, the Contractor shall be responsible for all permitting. Permit fees, if any, will be reimbursed to the Contractor on a separate invoice (General Conditions, Section 7.6 – Permits, pg. GC13). The Gopher Tortoise Relocation or Temporary Exclusion Permit is listed as a reimbursable permit (Supplementary Conditions, "Permits and Approvals, pg. SC-5).

Question 5: Since there is no line item for the gopher tortoise survey and relocation, will a line item be added to the bid sheet or will funds be available through an allowance?

Answer: In regards to the cost of the survey, please see the answer to Question 4. In reference to the cost for the relocation if it is necessary, allowance funds may be used to cover those costs.

Question 6: Can the County provide a name and phone number to firms that complete gopher tortoise surveys?

Answer: The County cannot provide names of firms that perform the surveys. It is the responsibility of the Contractor to research firms that provide these services.

Question 7: You said the County is in the process of obtaining the easements along Ernie Caldwell Blvd. Is there any way to establish a temporary construction easement outside of the 15 feet that is proposed on the plan? You are putting in 20" mains and you are not going to lay all of the dirt and keep it inside of the easement. So if you can put it outside, off to the side of the sidewalk, it would be a lot better because your measurement payment for sidewalk calls for anything not called for on the plans. If anything is broken or needs to be restored, it is the responsibility of the Contractor to pay for it.

Answer: The contractor is responsible for working within the proposed utility easement and right-of-way, and for the restoration of those areas as described in the contract documents. If the Contractor needs additional area for temporary construction purposes, it is the Contractor's responsibility to obtain authorization from the relevant property owner.

Question 8: Who is responsible for paying for the water needed for flush testing?

Answer: The Contractor is responsible for paying for the water used.

Question 9: Who is responsible for obtaining the Williams Gas Line encroachment easement permit and for the payment? There was a permit required to cross the high pressured gas main in that location.

Answer: Obtaining the permit and the permit fee are the Contractor's responsibility. Permit fees, if any, will be reimbursed to the Contractor on a separate invoice (General Conditions, Section 7.6 – Permits, pg. GC13). In the event that the Williams Company requires the Contractor to obtain additional liability insurance as a condition of permit issuance, the fee for the liability insurance will be reimbursed to the Contractor as part of a contingency request.

Question 10: The plans and specs detail #57 stone bedding material is to be utilized in the trench, however, the Engineer's Geotech report states that material encountered along the route is generally suitable for pipe bedding. Is it the intent of the project to bed the entire pipe route to spring line in #57 stone or if in-situ material is suitable for bedding per the geotechnical information provided?

Answer: Figure GR-01 in drawing C19 describes how pipe bedding material shall be installed if bedding is necessary due to unsuitable soils. The Geotech report provided in the technical specifications indicates that the borings performed along the proposed route contain suitable soil for pipe installation. Therefore, the costs associated with replacing unsuitable soils will be reimbursed as part of a contingency request. Attachment A is Figure GR-02 (taken from the Polk County Utilities Code and Reference Manuals - <https://www.polk-county.net/utilities/utilities-code>) that shows the detail for pipe installation in a trench with suitable soils.

Question 11: Does HDPE pipe need to be upsized to provide the equivalent interior diameter as the adjoining PVC pipe?

Answer: The HDPE pipe will not be upsized. The HDPE pipe size will be as shown in the contract drawings.

Question 12: Is there a pay app for curb or asphalt at the connection at Colonial Way and Ernie Caldwell Blvd. on the west end of the project?

Answer: Line items for this work have been added to the Addendum 1 Revised Bid Sheet (Attachment A)

REVISIONS:

DELETE IN ITS ENTIRETY: TECHNICAL SPECIFICATIONS, TABLE OF CONTENTS

REPLACE WITH: See "Attachment B – Addendum 1 Revised Table of Contents"

DELETE IN ITS ENTIRETY: TECHNICAL SPECIFICATIONS, SECTION 01 10 00 SUPPLEMENTAL SPECIFICATIONS, SUMMARY OF WORK (OCTOBER 2018)

REPLACE WITH: See "Attachment C – Addendum 1 Revised Section 01 10 00, Supplemental Specifications, Summary of Work (January 2019)"

DELETE IN ITS ENTIRETY: TECHNICAL SPECIFICATIONS, SECTION 01 20 00 SUPPLEMENTAL SPECIFICATIONS, PRICE AND PAYMENT PROCEDURES (OCTOBER 2018)

REPLACE WITH: See “Attachment D – Addendum 1 Revised Section 01 20 00, Supplemental Specifications, Price and Payment Procedures (January 2019)”

DELETE IN ITS ENTIRETY: DRAWINGS

- 05 C01
- 06 C02
- 12 C08
- 13 C09
- 15 C11
- 21 C17
- 24 C20
- 25A C21A
- 26 C22

REPLACE WITH: Refer to “**Bid 19-340 Addendum 1 Revised Drawings.pdf**” located in the “BID 19-340 Ernie Caldwell RCWM Improvements Phase 1” file on the FTP site.

ADD TO: Technical Specifications – Chapter 5: Wastewater – Refer to “**Bid 19-340 Addendum 1 TS Chapter 5.pdf**” located in the “BID 19-340 Ernie Caldwell RCWM Improvements Phase 1” file on the FTP site.

ATTACHMENT A

ADDENDUM 1 REVISED BID SHEET

**Polk County Utilities Community Investment Project
Ernie Caldwell Reclaimed Water Main Improvements Phase One
BID # 19-340**

ADDENDUM 1 REVISED BID SHEET

	Description	Unit	Quantity	Unit Price	Total Cost
1	Reclaimed Water Main				
1a	20" PVC (Open Cut)	LF	7,350	\$	\$
1b	20" Ductile Iron, Pressure Class 250 (Open Cut)	LF	30	\$	\$
2	Wastewater Force Main				
2a	20" PVC	LF	170	\$	\$
3	Fittings				
3a	20" x 20" Tee, RMJ	EA	1	\$	\$
3b	20" x 12" Tee, RMJ	EA	2	\$	\$
3c	20" x 8" Reducer, RMJ	EA	1	\$	\$
3d	20" 11.25 Degree Bend, RMJ	EA	14	\$	\$
3e	20" 45 Degree Bend, RMJ	EA	23	\$	\$
3f	20" 90 Degree Bend, RMJ	EA	1	\$	\$
3g	12" 45 Degree Bend, RMJ	EA	2	\$	\$
3h	8" 90 Degree Bend, RMJ	EA	2	\$	\$
3i	8" 45 Degree Bend, RMJ	EA	2	\$	\$
3j	20" Cap, RMJ	EA	9	\$	\$
3k	12" Cap, RMJ	EA	2	\$	\$
4	Valves and Appurtenances				
4a	20" Gate Valve & Box	EA	12	\$	\$
4b	12" Gate Valve & Box	EA	2	\$	\$
4c	8" Gate Valve & Box	EA	1	\$	\$
4d	2" Blow Off Valve and Enclosure	EA	1	\$	\$
4e	4" Air Release Valve and Enclosure	EA	11	\$	\$
5	Fire Hydrant Service Lateral Relocation				
5a	6" 90 Degree Bend, RMJ	EA	1	\$	\$
5b	6" 45 Degree Bend, RMJ	EA	4	\$	\$
5c	6" Gate Valve & Box	EA	1	\$	\$
6	Connection to Existing Reclaimed Water Main				
6a	20" Connection	EA	1	\$	\$
6b	8" Connection	EA	1	\$	\$
7	Horizontal Directional Drill				
7a	20" HDPE HDD	LF	1,880	\$	\$
8	Jack & Bore				
8a	20" PVC w/36" Steel Casing (Jack & Bore)	LF	110	\$	\$
9	RCW Main within Steel Casing				
9a	36" Steel Casing (Open Cut)	LF	60	\$	\$
10	Seed & Mulch	LF	9,370	\$	\$
11	Concrete Sidewalk Removal and Replacement	SY	180	\$	\$
12	8" Concrete Pad	CY	90	\$	\$
13	Chain Link Fence	LF	140	\$	\$
14	Restore Gravel Access Drive with No. 57 Aggregate	CY	6	\$	\$
15	Abandon Existing Pipe				
15a	Grout 8" Reclaimed Water Main	LF	1,290	\$	\$
16	Prevention, Control, & Abatement of Erosion/Water Pollution	LS	1	\$	\$
17	Pipe Line Marker	EA	24	\$	\$
18	Asphalt Milling & Resurface	SY	20	\$	\$
19	Concrete Curb and Gutter Removal and Replacement	LF	31	\$	\$
20	Gopher Tortoise Survey	LS	1	\$	\$
21	Mobilization/Demobilization	LS	1	\$	\$
22	Maintenance of Traffic	LS	1	\$	\$
23	Contingency for Replacing Unsuitable Soil with Suitable Fill	LS	1	\$25,000	\$25,000
24	Contingency for Unforeseen Conditions	LS	1	\$25,000	\$25,000
	GRAND TOTAL				\$

ATTACHMENT B

**ADDENDUM 1 REVISED
TECHNICAL SPECIFICATIONS
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Wetland Delineation / Species Listed Memorandum
William’s Developers Handbook (Gas Main Crossing)

ATTACHMENT C

**ADDENDUM 1 REVISED
TECHNICAL SPECIFICATIONS
SECTION 01 10 00
SUPPLEMENTAL SPECIFICATIONS
SUMMARY OF WORK
(JANUARY 2019)**

PART 1 - GENERAL

1.1 SECTION INCLUDES

- A. Work by Contractor.
- B. Owner Furnished Products.
- C. Contractor Use of Site (and Premises).

1.2 WORK BY CONTRACTOR

A. Work under this contract includes:

1. Reclaimed Water Main: Construction of approximately 9,400 linear feet of 20-inch reclaimed water main and associated valves and appurtenances. Approximately 1,900 of the 9,400 linear feet of 20-inch main is to be installed by horizontal directional drill. Approximately 110 of the 9,400 linear feet of 20-inch main is to be installed by jack and bore construction crossing Ernie Caldwell Boulevard.
2. Wastewater Force Main: Construction of approximately 170 linear feet of 20-inch force main, encased in concrete.
3. Associated pipe abandonment, dewatering, and miscellaneous site work.

B. Coordination of Work with Owner:

1. Contractor to coordinate all work and service interruption with Owner.

C. NPDES Compliance

1. Contractor will be responsible for complying with the NPDES Stormwater Program. Contractor shall prepare a Stormwater Pollution Prevention Plan (SWPPP) and file a Notice of Intent (NOI) to use a general permit with FDEP. The NOI must be filed 48 hours prior to the start of construction activity. Contractor shall be responsible for maintaining erosion control and other devices to comply with the SWPPP. In addition, Contractor shall be responsible to inspect and report the condition of the erosion control measures (i.e. especially after large rain events). The Contractor shall provide two (2) copies of the NOI and SWPPP to the Owner and prior to the start of construction.
2. Erosion and sedimentation controls may be contained to the right-of-way of Ernie Caldwell Blvd, unless the Project Manager notes conditions or activities

that warrant further controls to be installed. In this case, such additional controls shall be installed by the Contractor immediately, at no additional cost to the County.

1.3 OWNER FURNISHED ITEMS

A. Contractor shall supply all materials. There are no Owner furnished items.

1.4 CONTRACTOR USE OF SITE (AND PREMISES)

A. All work shall be conducted within rights-of-way, easements, or on County property. Contractor shall not have exclusive access to the work area.

B. Contractor shall employ an area outside the limits of the project alignment for location of storage of materials and equipment, and staging area. The specific location shall minimize interference with the operation of the existing facilities located therein and any other construction contracts containing Work to be performed along the pipe alignment. Submit a sketch of the proposed staging area showing such facilities to the Engineer at the preconstruction conference for consideration and approval. Any changes to same are to be resubmitted for approval.

C. The Site shall be returned to the original condition or better upon completion of the Work.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

ATTACHMENT D

**ADDENDUM 1 REVISED
TECHNICAL SPECIFICATIONS
SECTION 01 20 00
SUPPLEMENTAL SPECIFICATIONS
PRICE AND PAYMENT PROCEDURES
(JANUARY 2019)**

PART 1 – GENERAL

1.1 SECTION INCLUDES

- A. Incidental Work (1.2)
- B. Procedures for Measurement (1.3)
- C. Unit Prices (1.4)

1.2 INCIDENTAL WORK

Incidental Work items are items, specifically identified or not, that are an integral part of the completed project as required under the Contract Documents for which separate payment is not made. These items consist of the following, but not limited to:

- A. Bonds, insurance, construction schedules, shop drawings, warranties, indemnification and other required submittals.
- B. Permits (including fees) not obtained by the Owner
- C. Clearing, grubbing, stripping and disposal of vegetation.
- D. Transport and disposal of excess material and demolition debris.
- E. Dewatering of trenches and other excavations, including all materials, equipment and labor.
- F. Attendance and participation at one (1) public meeting, (1) preconstruction meeting, and monthly progress meetings.
- G. Preparation of a construction sequencing plan.
- H. Utility crossings and minor relocations unless payment is otherwise made under other items.
- I. Repair or replacement of existing culverts, underdrains, irrigation systems, drainage facilities, utilities, and other facilities impacted by construction.

- J. Dust and erosion control, including the cost for implementing and maintaining controls in accordance with the Stormwater Pollution Prevention Plan (SWPPP) for the project.
- K. Final grading and final/temporary right-of-way restoration. All materials and Work for right-of-way restoration shall be in accordance with FDOT Standard Specifications for Road and Bridge Construction, latest edition.
- L. Horizontal and vertical survey control and construction staking, including survey for abandoned pipe.
- M. Repair and restoration of property, including the removal and replacement of fences, guard rails, curbs, structures, signs, pavement markings, utility poles, light posts, gravel driveways, mailboxes, and other items impacted by construction. All plants, shrubs, and trees damaged or removed by the Contractor's operations shall be replaced in like kind.
- N. Holding/supporting of power poles, light poles and relocation of guy wires.
- O. Materials, labor, and equipment required to comply with the Occupational Safety and Health Administration (OSHA) trench excavation safety standards and the Florida Trench Safety Act.
- P. Materials, labor, and equipment necessary to protect the structural integrity of existing paved roadways. Incidental damage to paved roadways, including damage to the existing sub-base, base, asphaltic concrete pavement and/or flowable fill outside the limits of excavation and repair identified in the Drawings, shall be restored/repared at the Contractor's sole expense to the satisfaction of the Owner.
- Q. Materials, labor, and equipment necessary to protect the integrity and operation of existing utilities. Any damage to existing utilities shall be repaired/replaced at the Contractor's sole expense to the satisfaction of the Owner.
- R. Connections to existing reclaimed water mains/water distribution systems, including coordinating the connection with the Owner to avoid and/or minimize disruptions to the existing system, unless payment is otherwise made under other items.
- S. On-going and final cleanup.

- T. Project record documentation, including the provision of “as-built” drawings certified by a registered land surveyor.
- U. Temporary facilities lay down/storage area, and construction aids.
- V. Damage to existing road/asphalt and sidewalk not called out on the design drawings. The Contractor will be monitored to make every effort to prevent damage to existing roads and sidewalks. All unnecessarily damaged sidewalks, asphalt and/or base shall be repaired/replaced in accordance with the Contract Documents at no additional cost to the County. All sidewalk repairs will be a minimum of 4-inches thick with all the current requirements for ADA compliance provided even if existing sidewalk didn’t have current standards.
- W. All other items required for completion of the Contract.

1.3 PROCEDURE FOR MEASUREMENT

- A. For lump sum items, payment shall be made based on the lump sum prices set forth in the Bid Proposal based on level of completed work as determined by the accepted Schedule of Values.
- B. For field measure unit-price items, payment shall be based on the actual amount of work accepted and for the actual amount of materials in place, as shown by the final measurements.
 - 1. All units of measurement shall be standard United States convention as applied by the specific items of work by tradition and as interpreted by the Engineer.
 - 2. After the work is completed and before final payment is made, the Engineer will make final field measurements to determine the quantities of various items of work accepted as the basis for final settlement.
- C. Payment for stored materials is at the County’s discretion, and if approved, shall adhere to the requirements / conditions of General Condition 15.2.1. All material shall be properly covered and secured to the project manager’s satisfaction and any loss / theft will be the Contractor’s responsibility to replace at no additional cost to the County. All material delivered to site shall be used in a reasonable amount of time.

1.4 UNIT PRICES

- A. Item No. 1a and 1b – Reclaimed Water Main (LF)
1. Reclaimed Water Main shall be paid at the Contract Unit Price per foot for each type and size installed via open cut. The measurement shall be made based on project stationing (plan view depiction) along the centerline of the pipe to the nearest linear foot.
 2. The Contract Unit Price shall be full compensation for furnishing all material, labor, equipment, and tools required to install the pipe. The Contract Unit Price shall also include, but is not limited to, pipe, hardware, restraints, couplings, tracer wire, marker tape, pigging, flushing and cleaning, pressure testing, density testing, dewatering, excavation, sheeting/shoring, bedding, backfilling, final grading, compaction of bedding, backfill material, coordination with other utilities, as-built survey; and all other incidental items of Work not paid for under other items.
- B. Item No. 2 – Wastewater Force Main (LF)
1. Wastewater Force Main shall be paid at the Contract Unit Price per foot for each type and size installed via open cut. The measurement shall be made based on project stationing (plan view depiction) along the centerline of the pipe to the nearest linear foot.
 2. The Contract Unit Price shall be full compensation for furnishing all material, labor, equipment, and tools required to install the pipe. The Contract Unit Price shall also include, but is not limited to, pipe, hardware, restraints, couplings, tracer wire, marker tape, pigging, flushing and cleaning, pressure testing, density testing, dewatering, excavation, sheeting/shoring, bedding, full concrete encasement, backfilling, final grading, compaction of bedding, backfill material, coordination with other utilities, as-built survey; and all other incidental items of Work not paid for under other items.
- C. Item Nos. 3a through 3l – Fittings (EA)
1. Fittings shall be paid at the Contract Unit Price for each fitting installed of the size and type identified.
 2. The Contract Unit Price shall be full compensation for furnishing all material, labor, equipment, and tools required to install the fittings. The Contract Unit Price shall also include, but is not limited to, fittings, joint restraints, hardware, dewatering, excavation, bedding, backfilling, final grading, compaction of bedding, backfill material, polywrap, coordination with other utilities, as-built survey; and all other incidental items of Work not paid for under other items.

- D. Items Nos. 4a through 4d – Valves and Appurtenances (EA)
1. Valves and Appurtenances shall be paid at the Contract Unit Price for each valve installed of the size and type identified.
 2. The Contract Unit Price shall be full compensation for furnishing all material, labor, equipment, and tools required to install the valves. The Contract Unit Price shall also include, but is not limited to, valves, valve boxes, joint restraints, hardware, dewatering, excavation, bedding, backfilling, final grading, compaction of bedding, backfill material, coordination with other utilities, as-built survey; and all other incidental items of Work not paid for under other items.
- E. Item No. 4e - 4" Air Release Valve and Enclosure (EA)
1. Air Release Valve shall be paid at the Contract Unit Price for each air release valve and enclosure installed.
 2. The Contract Unit Price shall be full compensation for furnishing all material, labor, equipment, and tools required to install the valves and enclosures. The Contract Unit Price shall also include, but is not limited to, valves, valve enclosure, pipe, joint restraints, hardware, fittings (including curb and corporation stops), tapping saddles, valve box, concrete pad, dewatering, excavation, bedding, backfilling, final grading, compaction of bedding, backfill material, coordination with other utilities, as-built survey; and all other incidental items of Work not paid for under other items.
- F. Item No. 5a through 5c – Fire Hydrant Service Lateral Relocation (EA)
1. Fire Hydrant Relocation shall be paid per actual number of fire hydrant assemblies satisfactorily furnished and installed to provide a complete and functional unit. Necessary piping and restraints connecting to the fire hydrant assembly to the water main shall be included in the unit price.
 2. The Contract Unit Price shall be full compensation for furnishing all labor, materials, and equipment necessary to relocate and install the fire hydrant. The Contract Unit Price shall also include, but is not limited to, hydrant tee, hydrant extension, piping, fittings, isolation valve and box, thrust anchorage, and shear pad. Also included in the Contract Unit Price is excavation, sheeting, shoring and bracing, dewatering, backfill, compaction, grading, connection to pipes, restoration, disinfection, bacteriological testing, flushing and all other items required for a complete, acceptable, and operable fire hydrant.
- G. Item No. 6a and 6b – Connection to Existing Reclaimed Water Main (EA)
1. Connection to Existing Reclaimed Water Main shall be paid at the Contract Unit Price for each connection of the size and type shown on the Drawings.
 2. The Contract Unit Price shall be full compensation for furnishing all material, labor, equipment, and tools required to connect to the existing

reclaimed water main. The Contract Unit Price shall also include, but is not limited to, cutting-in the fitting, jumpers, all necessary adapters, couplings, and appurtenances to make the final connection, joint restraints, hardware, dewatering, excavation, bedding, backfilling, final grading, compaction of bedding, backfill material, coordination with other utilities, as-built survey; and all other incidental items of Work not paid for under other items. All final connections to existing water lines shall be made by the Contractor after the Contractor has received clearance from the Polk County Health Department (PCHD) for the new water line.

H. Item No. 7 - Horizontal Directional Drill (LF)

1. Horizontal Directional Drills (HDD) shall be paid at the Contract Unit Price per foot for each type and size installed. The measurement shall be made based on project stationing (plan view depiction) along the centerline of the pipe to the nearest linear foot.
2. The Contract Unit Price shall be full compensation for excavation and backfill of boring pits and receiving pits, dewatering, containment and disposal of drilling mud, furnishing and installing HDPE pipe and fittings, furnishing and installing all couplings, seals and sheeting, joining of HDPE pipe in accordance with manufacturers requirements, furnishing and installing all tracer wire, flushing, pigging, cleaning, pressure testing, compaction of bedding, backfill material, coordination with other utilities, as-built survey; and all other incidental items of Work not paid for under other items. Any necessary temporary piping, fittings, valves, and appurtenances shall be included.

I. Item No. 8 – Jack & Bore (LF)

1. Reclaimed Water Main and 36” Steel Casing shall be paid at the Contract Unit Price per foot for each type and size installed via jack and bore; at the crossing of Ernie Caldwell Boulevard. The measurement shall be made based on project stationing (plan view depiction) along the centerline of the pipe to the nearest linear foot.
2. The Contract Lump Sum Price shall be full compensation for excavation and backfill of boring pits and receiving pits, dewatering, steel casing, PVC reclaimed water main, furnishing and installing all tracer wire, flushing, pigging, cleaning, pressure testing, compaction of bedding, polywrap, casing spacers, bracing shoring, backfill material, coordination with other utilities, as-built survey; and all other incidental items of Work not paid for under other items.

J. Item No. 9 – RCW Main within Steel Casing (LF)

1. Reclaimed Water Main and 36” Steel Casing shall be paid at the Contract Unit Price per foot for each type and size installed via open cut; at the crossing above the gas main. The measurement shall be made based on

project stationing (plan view depiction) along the centerline of the pipe to the nearest linear foot.

2. The Contract Lump Sum Price shall be full compensation for excavation and backfill, dewatering, steel casing, PVC reclaimed water main, furnishing and installing all tracer wire, flushing, pigging, cleaning, pressure testing, compaction of bedding, density testing, polywrap, casing spacers, bracing shoring, backfill material, final grading, coordination with other utilities, as-built survey; and all other incidental items of Work not paid for under other items.

K. Item No. 10 – Seed & Mulch (LF)

1. Seed & mulch shall be paid at the Contract Unit Price per linear foot of pipe length. The measurement shall be made in place along the horizontal center line of the installed pipe for a width of 20'. All other areas that have been disturbed by contractor and not directly related with the pipeline construction shall be restored to equal or better condition including disturbed grass type. No additional compensation shall be allowed.
2. The Contract Unit Price shall be full compensation for restoration of disturbed grassed areas, supplying and installing seed & mulch, ground preparation, fertilizer, equipment, water, and all other incidental items of Work not paid for under other items. Seed type shall match the existing predominate type. All areas of this item disturbed due to the Contractor's operations which are not along the center line of the pipe construction shall also be satisfactorily repaired at no additional cost to the Owner.

L. Item No. 11 - Concrete Sidewalk Removal and Replacement (SY)

1. Concrete Sidewalk Removal and Replacement shall be paid at the Contract Unit Price per square yard. Measurement shall be to the nearest square yard over the poured concrete. The new sidewalk shall be in compliance with FDOT Standards and ADA Standards as necessary.
2. Contract Unit Price shall be full compensation for furnishing all labor, materials, and equipment for saw cutting and removal of the existing sidewalk and installing the replacement concrete sidewalk. No additional payment will be made for sidewalk restoration where existing sidewalks are disturbed by the Contractor away from the new main or associated tie-ins unless authorized by the Owner.
3. Concrete Sidewalk Removal and Replacement will only be compensated in areas noted on the construction drawings adjacent to open cut pipeline installation, jack & bore launching / receiving pits, and HDD pits.

M. Item No. 12 – 8" Concrete Pad (CY)

1. Concrete Pad shall be paid at the Contract Unit Price per cubic yard. Measurement shall be to the nearest cubic yard over the poured concrete. The new concrete pad shall be as specified in the Contract Drawings.
2. Contract Unit Price shall be full compensation for furnishing all labor,

materials, and equipment for installing the concrete pad, including grading, compacting, formwork, reinforcement, and all other incidental items of Work not paid for under other items.

- N. Item No. 13 – Chain Link Fence (LF)
1. Existing fence removal and Chain Link Fence installation shall be paid at the Contract Unit Price per foot.
 2. Contract Unit Price shall be full compensation for furnishing all labor, materials, and equipment for remove the existing fence, and installing the Chain Link Fence, galvanized posts, post caps, truss bars, turnbuckles, top rail, ties, tension wire, mesh wire, and all other incidental items of Work not paid for under other items.
- O. Item No. 14 – Restore Gravel Access Drive with No. 57 Aggregate (CY)
1. Restoration of existing gravel access drive shall be paid at the Contract Unit Price per each cubic yard of No. 57 aggregate installed.
 2. Contract Unit Price shall be full compensation for: all materials for the purpose of installing and compacting 4” thick No. 57 aggregate at the existing site of the gravel access driveway and compaction of the subgrade.
- P. Item No. 15 - Abandon Existing Pipe (LF)
1. Abandonment of existing pipe shall be paid at the Contract Unit Price per linear foot for each type and size abandoned and grouted. The measurement shall be made based on project stationing (plan view depiction) along the centerline of the pipe to the nearest linear foot.
 2. Contract Unit Price shall be full compensation for: all materials for the purpose of mixing and placing grout, temporary bulkheads, air venting, sealing surface leaks, as-built survey and maintaining grout records. Payment is not made for grout lost by failure of the contractor to caulk surface leaks or for grout otherwise wasted because of the actions of the contractor.
- Q. Item No. 16 – Prevention, Control, and Abatement of Erosion/Water Pollution (LS)
1. Prevention, Control, and Abatement of Erosion/Water Pollution shall be paid at the Contract Lump Sum Price, per project area.
 2. The Contract Lump Sum Price shall be full compensation for: silt fence/erosion control barrier type installation, including floating turbidity barrier and inlet protection. The Work for this Item shall include all regulatory permitting including NPDES for General Permit for Construction Activities, preparation of the erosion and sediment control plan, all labor, materials, testing, and equipment necessary for the prevention, control, and abatement of erosion and water pollution related to the construction of the pipeline as required by the Contract Documents and in accordance with the Standard Details and permits/regulatory

requirements. Payment shall be full compensation for furnishing all labor, materials and equipment to install, periodically inspect, maintain, and remove erosion control measure during the entire time length of the project, including all other incidental items of Work not paid under other items.

- R. Item No. 17- Pipe Line Marker (EA)
1. Pipe Line Markers shall be paid at the Contract Unit Price for each pipe line marker installed.
 2. The Contract Unit Price shall be full compensation for furnishing all material, labor, equipment, and tools required to install the pipe line markers. The Contract Unit Price shall also include, but is not limited to, concrete base, signage, pipe, cap, as-built survey and all other incidental items of Work not paid for under other items.
- S. Item No. 18 - Asphalt Milling & Resurface (SY)
1. Asphalt milling & resurface shall be paid at the Contract Unit Price per square yard. Measurement shall be to the nearest square yard over.
 2. The Contract Unit Price shall be full compensation for all labor, materials and equipment for asphalt milling & resurface installation, preparation of the surface, install stabilization and base materials, compaction at specified lifts and to required densities, disposal of existing asphalt and waste, smoothing, thermoplastic striping, traffic loops, material testing and incidental work as shown on the Contract Drawings and as specified.
- T. Item No. 19 - Concrete Curb and Gutter Removal and Replacement (LF)
1. Concrete Curb and Gutter Removal and Replacement shall be paid at the Contract Unit Price per linear foot for the actual linear footage of concrete curb and gutter satisfactorily furnished, installed, and removed.
 2. The Contract Unit Price shall be full compensation for all labor, materials and equipment for concrete curb and gutter installation, preparation of the surface, case in place formwork, rebar and metal mesh, expansion joints, joint filler, joint seal, disposal of existing concrete and waste, grout repair and smoothing, material testing and incidental work as shown on the Contract Drawings and as specified.
- U. Item No. 20 – Gopher Tortoise Survey (LS)
1. The Gopher Tortoise Survey shall be paid at the Contract Lump Sum Price.
 2. The Contract Lump Sum Price shall be full compensation for a Gopher Tortoise Survey to determine the presence of any tortoise, number of tortoise and density in the area identified within the Contract Drawings. The survey shall be completed within a 90-day window, prior to work taking place in the area identified as having a Gopher Tortoise burrow in the Contract Drawings. Payment shall be full compensation for furnishing all labor, materials and equipment to successfully complete a Gopher Tortoise Survey, including all other incidental items of Work not paid

under other items.

- V. Item No. 21 - Mobilization/Demobilization (LS)
1. Mobilization/Demobilization shall be paid at the Contract Lump Sum Price. 5 % of the Contract Lump Sum Price shall be considered as demobilization and will be retained until the final application for payment.
 2. The Contract Lump Sum Price shall be full compensation for: moving equipment, materials and facilities onto the site; removing equipment, materials, facilities, and all clean up and disposal of construction debris and excess material at the completion of the project; securing storage and staging areas, establishment of field communications, safety equipment and first aid supplies, sanitary, project sign and other facilities, as required by State and local laws and regulations; any other pre-construction expenses necessary for the start of the Work; pre-construction videotaping, surveying and layout, construction aids, not otherwise specified in the contract documents and all other incidental items of Work not paid for under other items.
- W. Item No. 22 - Maintenance of Traffic (LS)
1. Maintenance of Traffic shall be paid at the Contract Lump Sum Price.
 2. The Contract Lump Sum Price shall be full compensation for all work and costs associated with a Maintenance of Traffic plan. The lump Sum Price shall also include, but is not limited to variable message boards, signs, concrete barrier, barricades, law enforcement officer, temporary curb and all other miscellaneous maintenance of traffic items as required by the Contractor's MOT Design Engineer, FDOT Index, or the MUTCD, unless individual bid items are included.
- X. Item No. 23 - Contingency for Replacement of Unsuitable Soil with Suitable Fill (LS)
1. Measurement for this item will be made for in accordance with the change order authorized by the County. The contingency is for replacement of unsuitable soil with suitable fill specifically authorized by the County, the compensation for which shall be determined in accordance with the change order provisions of the General Conditions. Said compensation shall be deducted from the contingency at the time the change order is authorized by the County.
 2. Payment from the project allowance shall be made on a Contract Unit Price per cubic yard. Measurement shall be made to the nearest cubic yard, per the change order, only after authorization from the County, and then in accordance with the change order provisions of the General Conditions.
 3. The cost for this contingency shall not exceed \$25,000.00.

Y. Item No. 24 - Contingency for Unforeseen Conditions (LS)

1. Measurement for this item will be made for in accordance with the change order authorized by the County. The contingency is for any unforeseen conditions not described in the contract documents including but not limited to: additional sidewalk repair and placement, utility repair and replacement, additional dewatering, in-field adjustments, unknown utility conflicts, and any other condition affecting the work if the work were continued.
2. Payment from the project allowance shall be made on a Contract Unit Price per the specific unit of measurement of the item. Measurement shall be made per the change order, only after authorization from the County, and then in accordance with the change order provisions of the General Conditions.
3. The cost for this contingency shall not exceed \$25,000.00

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION