

WEEKI WACHEE WOODLANDS WM INTERCONNECT

23-T00040/AP Q15

County of Hernando
15470 Flight Path Drive
Brooksville, FL 34604



County of Hernando
Weeki Wachee Woodlands WM Interconnect

- I. Quote Instructions
- II. Scope of Work
- III. Pricing Proposal
- IV. Vendor Questionnaire.....

Attachments:

- A - Sample Work Authorization Agreement
- B - Weeki Wachee Woodlands WM Bid Schedule
- C - Weeki Wachee Woodlands Water Main Interconnect Final Plans.
- D - Spec Book 2013 (With Updated Section 9 and Details)

1. Quote Instructions

A. TIME OF COMPLETION:

- A. Vendor/Contractor agrees that the work will be substantially complete within days to substantial completion 90 calendar days after the commencement date indicated in the Notice to Proceed and ready for final payment within days to final completion 120 calendar days after the date indicated on the Notice to Proceed. Completion time includes material ordering lead times. Materials shall not be ordered by the Vendor/Contractor until the Notice to Proceed has been issued.

B. LIQUIDATED DAMAGES:

- A. Vendor/Contractor hereby agrees that time is of the essence and that a precise determination of actual damages which could be incurred by the County for delay in the completion of the work provided herein would be difficult to ascertain. Accordingly the parties agree that the liquidated damages for those items of damage not otherwise provided for by the Quote Documents, for each and every day that the time consumed in completing the work provided for herein exceeds the time allowed in achieving Substantial Completion and/or Final Completion therefore shall be in accordance with the amount of Five Hundred Dollars (\$500). The parties specifically agree that the liquidated damages provided herein do not constitute a penalty. The amount of liquidated damages occasioned by the Vendor/Contractor's delay will be deducted and retained out of the monies payable to the Vendor/Contractor. If not so deducted the Vendor/Contractor and sureties for the Vendor/Contractor shall be liable thereof.

D. PERFORMANCE AND PAYMENT BOND: - Not Required if Quote is under \$200,000

- A. A Performance and Payment Bond issued in a sum equal to one hundred (100%) percent of the total awarded Contract amount by a surety company considered satisfactory by the County and otherwise authorized to transact business in the State of Florida will be required from the successful Bidder for purposes of insuring the faithful performance of the obligations imposed by the resulting Contract and for purposes of protecting the County from lawsuits for non-payment of debts as might be incurred during the successful Bidder's performance under such Contract. When applicable, the performance and payment bond form will be included in the Contract Documents and said form must be properly executed by the surety company and successful Bidder within fifteen (15) calendar days after notification by the County of the County's intent to award the Contract.

- B. If, within fifteen (15) calendar days after notification by the County of the County's intent to award a Contract, the successful Bidder refuses or otherwise neglects to execute the required written Contract or fails to furnish the required Performance and Payment Bond, the amount of the Bidder's Bid security (check or Bid Bond) shall be forfeited and the same shall be retained by the County. No plea of mistake in the Bid or misunderstanding of the conditions of forfeiture shall be available to the Bidder for the recovery of his Bid security or as a defense to any action based upon the neglect or refusal to execute a written Contract.

- C. The surety company must provide an "Increase Rider" to the Performance and Payment Bond or execute the "Consent of Surety and Increase of Penalty" form provided by the County if the Contract is increased by change order.

E. SURVEY CONTROL:

- A. Vendor/Contractor will furnish all surveys and construction stakeouts unless otherwise specified. The Vendor/Contractor will provide horizontal control and bench marks or elevations for vertical control. The Vendor/Contractor shall furnish, free of charge, all stakes, all templates, and other materials necessary for marking and maintaining points and lines given. The Vendor/Contractor shall be held responsible for the preservation of all stakes and markers, and if the stakes or markers are destroyed or disturbed, the cost of replacing them shall be charged against, and shall be deducted from the payment for the work. The Vendor/Contractor shall be responsible for any mistakes that may be caused by their unnecessary loss or disturbance.

F. TRAFFIC CONTROL:

- A. The Vendor/Contractor shall be responsible for installing, operating, and maintaining all traffic control associated with the project, including detours, advance warnings, channelization, or other features, both at the immediate work site and at outlying points as detailed on the construction plans or as referenced by the Florida Department of Transportation (FDOT) indexes.

- B. Vendor/Contractor shall prepare a detailed traffic control plan designed to accomplish the level of performance outlined in the scope of work, and incorporating the methods and criteria contained in the Manual on Uniform Traffic Control Devices published by the U.S. Department of Transportation and adopted as amended by the FDOT. This plan must be approved in writing by the Engineer.

- C. The Engineer may inspect and monitor the traffic control scheme and devices of the Vendor/Contractor and shall, through the County's Inspector assigned to the project, make known his requirements for any alterations and adjustments to the control plan or devices. The Vendor/Contractor shall take direction only as appropriately expressed by the Inspector or Engineer.

2. Scope of Work

2.1. SCOPE AND SPECIFICATIONS

10.1. SCOPE OF WORK

The Vendor/Contractor will supply all materials, labor, and equipment in order to accomplish the construction of water main, as described in the specifications and construction plans showing the proposed improvements in Hernando County, Florida.

10.2. PROJECT DESCRIPTION:

This project consists of but is not limited to one six-inch wet tap for the east side connection and an open cut across Philatelic Drive that must be restored to DPW specifications. There will also be four concrete driveways that will be removed and replaced, two far side service connections shall be completed as well as two near side service connections to the new water main. Contractor shall tie in existing two-inch water main to new water main. Old 2" water main lines taken out of service will be capped and abandoned in place.

All construction shall be in accordance with the 2013 Hernando County Utilities Department Specifications Manual. See plan set as attached for more specifics.

The Vendor/Contractor shall comply with all applicable OSHA workplace safety requirements and shall accomplish the work in a manner providing for the safety of their equipment and workers and for the safety of the general public.

10.3. LOCATION OF THE WORK:

The work to be performed in this contract will be performed around the intersection of Philatelic Drive and Apache Trail heading southwest along Apache trail towards Tomahawk Avenue, then north on Tomahawk Ave, in Hernando County, Florida.

10.4. SURVEY CONTROL

Vendor/Contractor will furnish all surveys and construction stakeouts unless otherwise specified. The Vendor/Contractor will provide horizontal control and bench marks or elevations for vertical control. The Vendor/Contractor shall furnish, free of charge, all stakes, all templates, and other materials necessary for marking and maintaining points and lines given. The Vendor/Contractor shall be held responsible for the preservation of all stakes and markers, and if the stakes or markers are destroyed or disturbed, the cost of replacing them shall be charged against the Vendor/Contractor, and shall be deducted from the payment for the work. The Vendor/Contractor shall be responsible for any mistakes that may be caused by their unnecessary loss or disturbance.

10.5. TRAFFIC CONTROL

The Vendor/Contractor shall be responsible for installing, operating, and maintaining all traffic control associated with the project, including detours, advance warnings, channelization, or other features, both at the immediate work site and at outlaying points as detailed on the construction plans or as referenced by the FDOT indexes.

Vendor/Contractor shall prepare a detailed traffic control plan designed to accomplish the level of performance outlined in the scope of work, and incorporating the methods and criteria contained in the Manual on Uniform Traffic Control Devices published by the U.S. Department of Transportation and adopted as amended by the FDOT. This plan must be approved in writing by the Engineer.

The Engineer may inspect and monitor the traffic control scheme and devices of the Vendor/Contractor and shall, through the Project Manager or County's Designated Inspector assigned to the project, make known his requirements for any alterations and adjustments to the control plan or devices. The Vendor/Contractor shall take direction only as appropriately expressed by the Inspector or Engineer.

10.6. GENERAL REQUIREMENTS AND TECHNICAL SPECIFICATIONS

10.6.1 WORK COVERED BY CONTRACT DOCUMENTS/REQUIREMENTS

This project consists of but is not limited to the installation of 480 LF of 8-inch water main, one six-inch wet tap for the east side connection with an open cut across Philatelic Drive that must be restored to DPW specifications, and connection to an exiting 8-inch water main at the other end of the installed main. There will also be four concrete driveways that will be removed and replaced, two far side service connections shall be completed as well as two near side service connections to the new water main. Contractor shall tie in existing two-inch water main to new water main. Old 2" water main lines taken out of service will be capped and abandoned in place.

The Contractor shall perform the work complete, in place and ready for continuous service and shall include any repairs, replacements, and/or restoration required as a result of damages caused prior to acceptance by the County.

The Contractor shall furnish and install all materials, equipment and labor which is reasonably and properly inferable and necessary for the proper completion of the work, whether specifically indicated in the Contract Documents or not.

The Contractor shall coordinate with Hernando County Utilities when they are ready to connect to the existing mains to minimize any service related issues.

10.6.2 WORK SEQUENCE

All work done under this Work Authorization shall be done with a minimum of inconvenience to the users of the system. The Contractor shall coordinate his work with the County and private property owners such that existing utility services are maintained to all users to the maximum extent possible.

The Contractor shall, if necessary and feasible, construct the work in phases to accommodate the County's use of the premises during the construction period; coordinate the construction schedule and operations with the County's Representative.

10.6.3 CONSTRUCTION AREAS

The Contractor shall: Limit his use of the construction areas for work and for storage, to allow for:

Work by other Contractors

County's use

Coordinate use of work site under direction of County's Representative.

Assume full responsibility for the protection and safekeeping of products under this Contract, stored on the site.

Move any stored products under the Contractor's control, which interfere with operations of the County or separate contractor.

3. Pricing Proposal

WEEKIN WACHEE WOODLANDS WATER MAIN

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total
General Conditions					
1	Mobilization/Demobilization	1	LS		
2	Bond	1	LS		
3	Insurance	1	LS		
4	Maintenance of Traffic	1	LS		
5	Survey Layout/As-builts	1	LS		
6	Erosion Sediment Control and NPDES Permit	1	LS		
7	Pre/Post Video	1	LS		
8	Gopher Tortoise Survey and Permitting	1	LS		
9	Gopher Tortoise- Bucket Trapped, Pulled, or Monitored (Up To 2)	2	EA		
10	Gopher Tortoise Relocation (Up To 2)	2	EA		
Water Main					
11	8-Inch PVC C900 DR18 Water Main Pipe Via Open Cut With All Necessary Restraints and Fittings	480	LF		
12	Open Cut and Restore Philatelic Drive	1	LS		
13	8-inch Valve/Valve Can, Pad, Locate Wire, Restraints	2	EA		
14	8-Inch 45 Degree Bends Including Fittings	3	Ea		

Line Item	Description	Quantity	Unit of Measure	Unit Cost	Total
15	8-Inch "T" Including Fittings	1	EA		
16	8x2 Reducer Including Fittings	1	EA		
17	2-Inch Gate Valve Including Fittings	1	EA		
18	Connect 8-Inch Water Main to Existing 8-Inch "T" Including Fittings	1	EA		
19	6x6 Wet Tap, Connect to Existing 6-Inch Water Main Including Fittings	1	EA		
20	8x6 Reducer Including Fittings	1	EA		
21	Install Service Lines Up To Existing Near Side Meter Box	3	EA		
22	Install Service Lines Up To Existing Far Side Meter Box	2	EA		
23	Remove and Replace Driveway Aprons	4	EA		
24	Performance Turf Sod-Match Existing	1	LS		
25	Cut and Cap 2-Inch Water Main Abandoned in Place	6	EA		
26	Install Sample Points	2	EA		
27	Perform Testing for FDEP Clearance	2	EA		
TOTAL					

4. Vendor Questionnaire

4.1. Bid Confirmation*

The undersigned, hereinafter called “Bidder”, having visited the site of the proposed project and familiarized himself with the local conditions, nature and extent of the work, and having examined carefully the agreement form, General Conditions, Special Conditions, Supplementary Conditions for Federal/State Requirements, plans and specifications and other contract documents, with the bond requirements herein, proposed to furnish all labor, materials, equipment and other necessary items, facilities and services for the proper execution and completion of the subject project in full accordance with the drawings and specifications prepared in accordance with your Advertisement of Bids, instruction to bidders, agreement and all other documents related thereto on file in the office of the Hernando County Procurement Department and if awarded the Contract, to complete said work within the time limits specified for their bid price.

Please confirm

*Response required



**BOARD OF COUNTY COMMISSIONERS
HERNANDO COUNTY, FLORIDA
SAMPLE WORK AUTHORIZATION AGREEMENT**

This Contract, entered into this _____ day of _____, 20____, by and between the Hernando County Board of County Commissioners, hereafter called the COUNTY, and _____ hereinafter called the VENDOR/CONTRACTOR. Owner and Vendor/Contractor, in consideration of the mutual covenants hereinafter set forth, agree as follow:

CONSTRUCTION SERVICES FOR PROJECTS UNDER \$500K - RFQ NO. 23-T00040/AP

PROJECT NAME AND QUOTE NUMBER

ARTICLE 1 – CONTRACT DOCUMENTS

1.01 The Vendor/Contractor shall furnish all labor, equipment and materials and perform the work per Construction Project in strict accordance with the General Conditions, Special Conditions, Supplementary Conditions, Exhibits, Plans, Specifications, and other Contract Documents, all of which are made a part hereof and designated as follows:

A. The Contract Documents for ITB 23-T00040/AP consist of the following:

Solicitation-Offer-Award

Advertisement of Request for Qualifications

Definitions

Solicitation Document

General Conditions for Quotes

Special Conditions for Quotes

Construction Conditions

Scope of Work

Technical Specifications

Required Forms

Request for Quote – PROJECT NAME AND NUMBER

Work Authorization and Required Documents After Award

Construction Agreement and Required Documents After Award

Request for Quote Exhibits

Exhibit A – General Requirements and Technical Specifications
Exhibit B – Plans/Drawings

All addenda issued by the County prior to the receipt of Quotes and all supplementary drawings issued after award of the Contract become part of the Contract Document.

Amending and Supplementing Contract Documents:

The Contract Documents may be amended to provide for additions, deletions, and revisions in the work or to modify the terms and conditions thereof by Change Order.

The requirements of the Contract Documents may be supplemented, and minor variations and deviations in the work may be authorized, by one or more of the following ways:

1. A Field Order;
2. Engineer's approval of a shop drawing or sample; or -
3. Engineer's written interpretation or clarification per the provisions described in the Contract Documents.

In resolving such conflicts, errors and discrepancies, the documents shall be given preference in the following order: Agreement, Specifications, Drawings, Solicitation Instructions. Within the specifications the order of preference shall

be as follows: Addenda, General Conditions, Technical Specifications. Figure dimensions on drawings shall govern over scale dimensions, and the detailed drawings shall govern over general drawings. Any work that may reasonably be inferred from the specifications or drawings as being required to produce the intended result shall be supplied whether or not it is specifically called for. Work materials or equipment described in words which so applied have a well-known technical or trade meaning shall be deemed to refer to such recognized standards. In case of conflict the more stringent requirements shall take precedence and govern.

The Vendor/Contractor shall take no advantage of any error or omission in the plans or of any discrepancy between the plans and specifications, and the Engineer shall make such interpretation as may be deemed necessary for the fulfillment of the intent of the plans and specifications as construed by him and his decision shall be final.

All provisions required by law to be inserted in this Contract, whether actually inserted or not.

Exhibits to this Agreement (as follows):

1. Vendor/Contractor's Quote
2. Documentation submitted by Vendor/Contractor after to Notice of Award:
 - a. Insurance Certificate
- B. The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:
 1. Notice to Proceed
 2. Change Order(s)
- C. The documents listed in this Article are attached to this Agreement (except as expressly noted otherwise).
- D. There are no Contract Documents other than those listed in this Article.
- E. The Contract Documents may only be amended, modified, or supplemented as stated in Paragraph 33.

ARTICLE 2 - THE ENGINEER

2.01 Engineer in the administration of this Contract and any references to the Engineer or the Professional shall be deemed to mean **INSERT ENGINEER OF RECORD NAME**, for the plans and specifications. **INSERT PROJECT MANAGER NAME OR PROJECT MANAGER'S SUPERVISOR NAME** will act as the Owner's representative, assume all duties and responsibilities, and have the rights and authority assigned to Engineer in the Contract Documents in connection with the completion of the work in accordance with their respective scope of work and the Contract Documents.

ARTICLE 3 - CONTRACT TIMES

3.01 Time of the Essence:

- A. All time limits for completion and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

3.02 Days to Achieve Substantial Completion and Final Payment:

- A. Vendor/Contractor agrees that the work will be substantially complete within **days to substantial completion (000)** calendar days after the commencement date indicated in the Notice to Proceed and ready for final payment within **days to final completion (000)** calendar days after the date indicated on the Notice to Proceed.

3.03 Liquidated Damages:

Vendor/Contractor and Owner agree for each consecutive calendar day that the work remains incomplete after the Contract date established for Substantial Completion and/or Final Completion, the County will retain from the compensation otherwise to be paid to the Vendor/Contractor the sum of **INSERT AMOUNT FOR LIQUIDATED DAMAGES (\$_____)**. This amount is the minimum measure of damages the County will sustain by failure of the Vendor/Contractor to complete all remedial work, correct deficient work, clean up the project and other miscellaneous tasks as required to complete all work specified.

ARTICLE 4 – CONTRACT PRICE

4.01 Owner shall pay Vendor/Contractor for completion of the work in accordance with the Quote an amount in current funds equal to the sum of the amounts determined pursuant to the Paragraphs below:

A. For all work other than Unit Price Work, a Lump Sum of:

_____ (\$ _____)
 (words) (figure)

All specific cash allowances are included in the above price and have been computed in accordance with Paragraph 34.2.2.

B. For all Unit Price Work, an amount equal to the sum of the established unit price for each separately identified item of Unit Price Work times the estimated quantity of that item as indicated in this Paragraph:

As provided in Paragraph 34.3, estimated quantities are not guaranteed, and determinations of actual quantities and classifications are to be made by Owner Designated Representative as provided in Paragraph 34.3. Unit prices have been computed as provided in Paragraph 34.3.

UNIT PRICE WORK

ITEM	QTY	DESCRIPTION	PART NO	UNIT PRICE	EXTENDED PRICE

_____ \$

ESTIMATED TOTAL OF ALL UNIT PRICE WORK \$ _____ \$(_____)
 (use words) (figure)

ARTICLE 5 – PAYMENT PROCEDURES

5.01 Submittal and Processing of Payments:

A. Vendor/Contractor shall submit Applications for Payment in accordance with Paragraph 37.2.1. Applications for Payment will be processed by Owner Designated Representative as provided in the Contract Documents.

5.02 Progress Payments; Retainage:

A. Owner shall make progress payments on account of the Contract Price on the basis of Vendor/Contractor's Applications for Payment not later than the time periods established by applicable provisions of the Florida Prompt Payment Act, Part VII, Ch. 218.735, F.S. (current version), during performance of the work as provided in Paragraphs below. All such payments will be measured by the Schedule of Values (and in the case of Unit Price Work based on the number of units completed) or, in the event there is no schedule of values, as provided in the General Requirements:

1. Progress payments will be made in an amount equal to the percentage indicated below but, in each case, less the aggregate of payments previously made and less such amounts as Owner Designated Representative may determine or Owner may withhold, including but not limited to liquidated damages, in accordance with the Contract Documents:

a. Ninety-five (95%) of work completed (with the balance being retainage); and

- b. Ninety-five (95%) of cost of materials and equipment not incorporated in the work (with the balance being retainage).

5.03 Final Payment:

- A. Upon receipt of the final Application for Payment accompanied by Owner Designated Representative's recommendation of payment in accordance with Paragraph 37.7.1, Owner shall pay Vendor/Contractor the remainder of the Contract Price as recommended by Owner Designated Representative, less any sum Owner is entitled to set off against Owner Designated Representative's recommendation, including but not limited to liquidated damages.
- B. Final Payment, constituting the entire unpaid balance of the Contract Sum, shall be paid by the Owner to the Vendor/Contractor when the work has been completed, the Contract fully performed, and a final Certificate for Payment has been issued by the Owner Designated Representative.

ARTICLE 6 – INTEREST

- 6.01** All monies not paid when due shall bear interest at the maximum legal rate.

ARTICLE 7 – VENDOR/CONTRACTOR'S REPRESENTATIONS

- 7.01** In order to induce Owner to enter into this Agreement Vendor/Contractor makes the following representations:
- A. Vendor/Contractor has examined and carefully studied the Contract Documents and the other related data identified in the Bid Documents.
 - B. Vendor/Contractor has visited the site and become familiar with and is satisfied as to the general, local, and site conditions that may affect cost, progress, and performance of the work.
 - C. Vendor/Contractor is familiar with and is satisfied as to all federal, state, and local laws and regulations that may affect cost, progress, and performance of the work.
 - D. Vendor/Contractor does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract Documents.
 - E. Vendor/Contractor is aware of the general nature of work to be performed by Owner and others at the site that relates to the work as indicated in the Contract Documents.
 - F. Vendor/Contractor has correlated the information known to Vendor/Contractor, information and observations obtained from visits to the site, reports and drawings identified in the Contract Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.
 - G. Vendor/Contractor has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Vendor/Contractor has discovered in the Contract Documents, and the written resolution thereof by Engineer is acceptable to Vendor/Contractor.
 - H. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the work.

ARTICLE 8 – MISCELLANEOUS

8.01 Terms:

- A. Terms used in this Agreement will have the meanings stated in the Contract Documents.

8.02 Assignment of Contract:

- A. No assignment by a party hereto of any rights under or interests in the Contract will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation,

monies that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

8.03 Successors and Assigns:

- A. Owner and Vendor/Contractor each binds itself, its partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, and legal representatives in respect to all covenants, Agreements, and obligations contained in the Contract Documents.

8.04 Severability:

- A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon Owner and Vendor/Contractor, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

- 8.05** This Agreement may be executed in several counterparts, each of which shall be an original and all of which shall constitute but one and the same instrument.

ARTICLE 9 – CONTRACT PAYMENT

- 9.01** The County agrees to pay the Vendor/Contractor for the faithful performance under this Contract for the agreed amount of _____ Dollars (\$_____) and is based on the lump sum prices contained herein and subject to additions or deductions as modified.

IN WITNESS WHEREOF, Owner and Vendor/Contractor have signed this Agreement in two (2) copies. All portions of the Contract Documents have been signed, initialed, or identified by Owner and Vendor/Contractor.

OWNER:
HERNANDO COUNTY BOARD OF COUNTY
COMMISSIONERS

VENDOR/CONTRACTOR

By: _____

By: _____

Name: ELIZABETH NARVERUD

Name: _____

Title: CHAIR

Title: _____

[CORPORATE SEAL]

[CORPORATE SEAL]

Attest: Douglas A. Chorvat, Jr.

Attest: _____

Title: Clerk of Circuit Court & Comptroller

Title: _____

Address for giving notices:

Address for giving notices:

15470 Flight Path Dr.

Brooksville, FL 34604

Agent for service of process:

(If Vendor/Contractor is a corporation or a partnership,
attach evidence of authority to sign.)

Weeki Wachee Woodlands Water Main

BID SCHEDULE

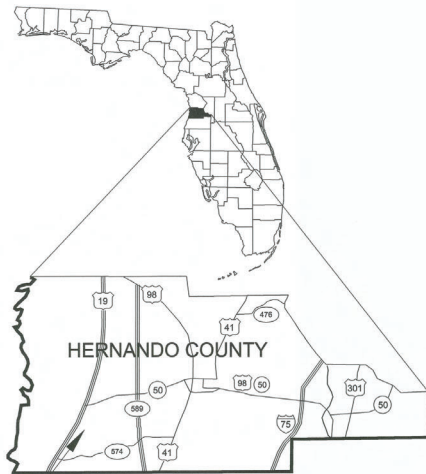
ITEM	DESCRIPTION	ESTIMATED QUANTITY	UNIT PRICE	AMOUNT
I. GENERAL CONDITIONS				
1	Mobilization/Demobilization	1	LS	\$0.00
2	Bond	1	LS	\$0.00
3	Insurance	1	LS	\$0.00
4	Maintenance of Traffic	1	LS	\$0.00
5	Survey Layout/As-builts	1	LS	\$0.00
6	Erosion Sediment Control (NPDES Permit/insp. Rpt./NOT)	1	LS	\$0.00
7	Pre/Post Video	1	LS	\$0.00
8	Gopher Tortoise Survey and Permitting	1	LS	\$0.00
9	Gopher Tortoise - Bucket Trapped, Pulled, or Monitored (Up to 2)	2	EA	\$0.00
10	Gopher Tortoise Relocation (Up to 2)	2	EA	\$0.00
SUBTOTAL				\$0.00

II. WATER MAIN				
11	8-inch PVC C900 DR18 Water Main Pipe via open cut with all necessary restraints and fittings	480	LF	\$0.00
12	Open cut and restore pavement, Philatelic Drive	1	LS	\$0.00
13	8-inch Gate Valve/valve can, pad, locate wire, restraints	2	EA	\$0.00
14	8-inch DIP 45 Degree Bends including fittings	3	EA	\$0.00
15	8-inch Tee including fittings	1	EA	\$0.00
16	6x2 reducer including fittings	1	EA	\$0.00
17	2-inch gate valve including fittings	1	EA	\$0.00
18	Connect 8-inch main to existng 8-inch "T" including fittings	1	EA	\$0.00
19	6x6 wet tap, Connect to Existing 6-inch diameter water main including fittings	1	EA	\$0.00
20	8x6 Reducer including fittings	1	EA	\$0.00
21	Install Service Line Up To Exisitng Near Side Meter Box	3	EA	\$0.00
22	Install Service Line Up To Existng Far Side Meter Box	2	EA	\$0.00
23	Remove and replace driveway aprons	3	EA	\$0.00
24	Performance Turf Sod - Match Existing	1	LS	\$0.00
25	Cut and cap 2-inch Water Main Abandoned In Place	6	EA	\$0.00
26	Install Sample Points	2	EA	\$0.00
27	Perfrom Testing For FDEP Clearance	2	EA	\$0.00
SUBTOTAL				\$0.00

SUMMARY				
I. GENERAL CONDITIONS				\$0.00
II. WATER MAIN				\$0.00
BID SCHEDULE TOTAL				\$0.00

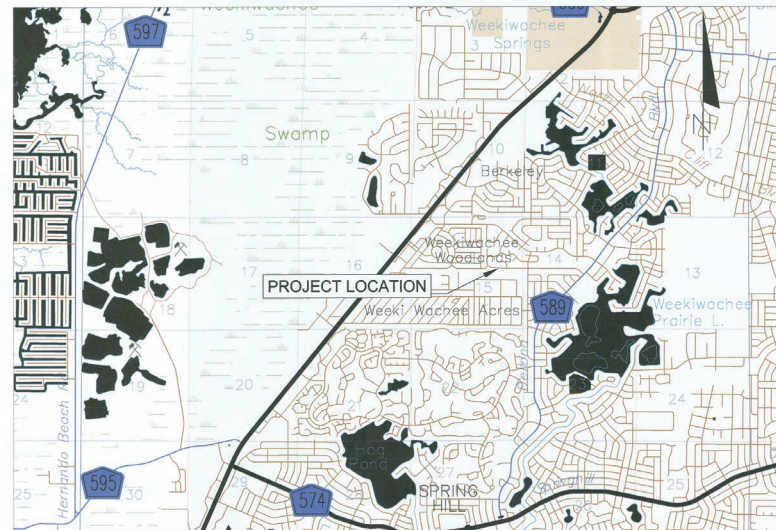
PLANS FOR WEEKI WACHEE WATER MAIN INTERCONNECT

HERNANDO COUNTY, FLORIDA



VICINITY MAP
NOT TO SCALE

PROJECT
VICINITY



LOCATION MAP
(NOT TO SCALE)

SHEET INDEX:

- 1 COVER SHEET
- 2 SITE PLAN
- 3 DETAILS 1
- 4 DETAILS 2

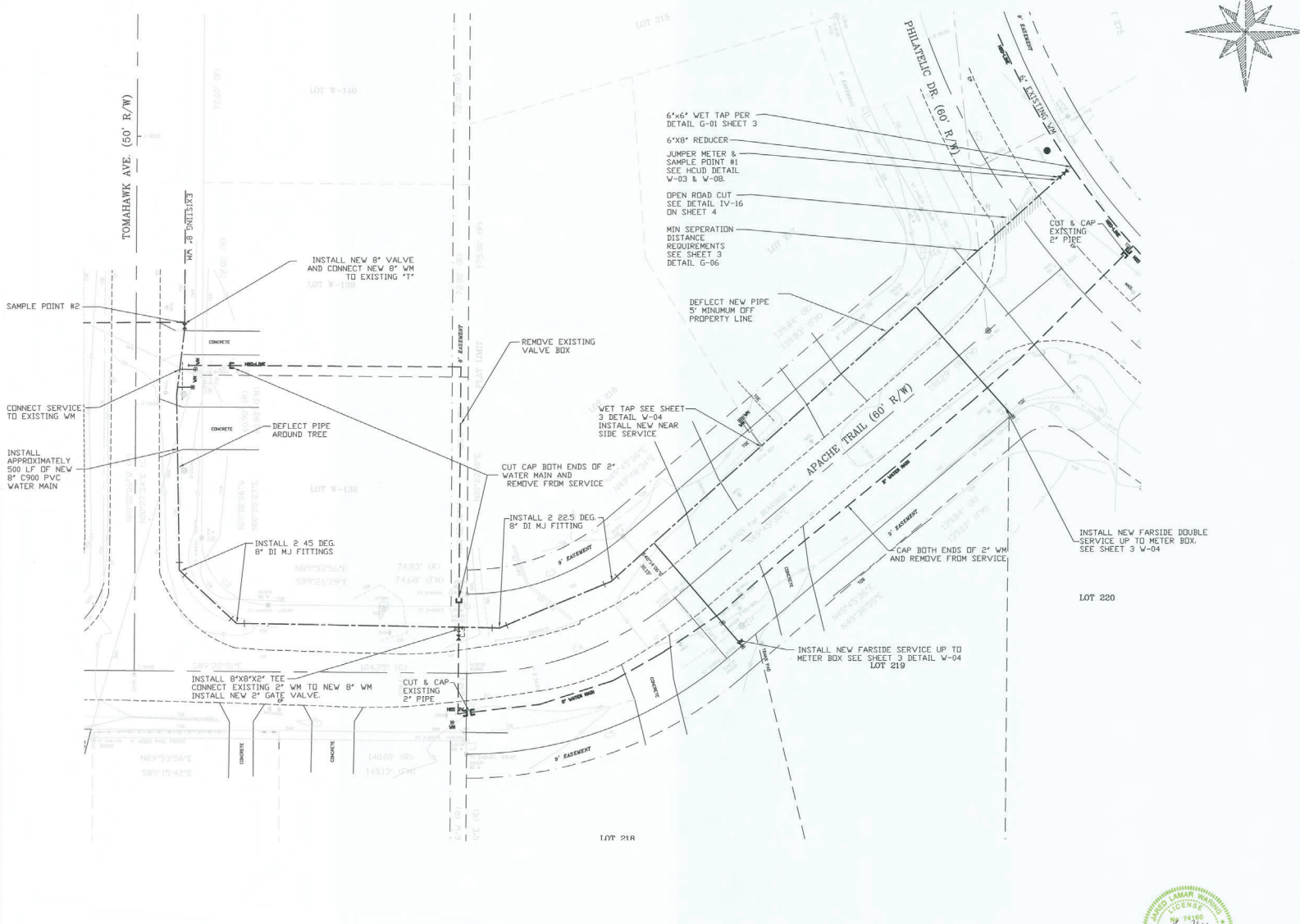
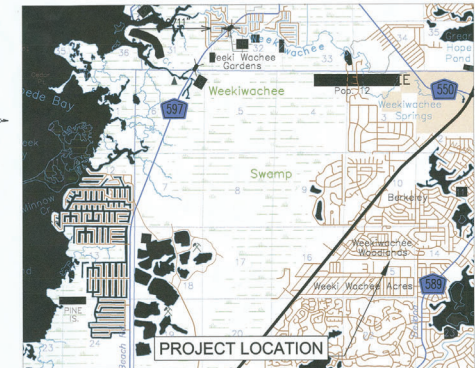


PREPARED BY:
HERNANDO COUNTY UTILITIES DEPARTMENT
15365 CORTEZ BLVD
BROOKSVILLE, FLORIDA 34613

OFFICE: (352) 754-4037 FAX: (352) 754-4485

UTILITY ENGINEER
JARED WARING, P.E.
FLORIDA REGISTRATION
LICENSE NO. 74180





- NOTES**
1. Tap existing 6-inch VM along Philatelic Dr. and Tomahawk Ave. and route new 8-inch VM along North side of Apache Trail and East side of Tomahawk Ave.
 2. Restrain existing and proposed main and appurtenances per HCUD spec.
 3. Proposed 8-inch PVC C-900 water main shall have min. 36-inch cover.
 4. Place proposed 8-inch water main a minimum of five feet from property line.
 5. Install domestic water services per HCUD Specification (typ). After water main is cleared for use connect services from existing water main to the new main.
 6. Good all disturbed areas.
 7. Contractor to schedule a pre-construction meeting five (5) business days prior to the start of off-site utility construction. Contractor must provide all utility submittals to the HCUD Inspector for review and approval a minimum of three (3) business days prior to the pre-construction meeting. HCUD Inspector MUST attend the pre-construction meeting.
 8. Contractor to notify HCUD Inspector 48 hours prior to utility construction in the County Right-of-Way. HCUD Inspector must be present for all water and sewer connections.
 9. Construction water to be provided by a temporary construction water meter installed by HCUD on the closest HCUD owned fire hydrant to the site. Construction meters will be installed by HCUD within five (5) business days of signing up for service. Contractor to contact HCUD's Engineering Department to sign up for service. If construction water is required.
 10. All new Utilities construction procedures & materials shall meet or exceed Hernando County Utilities Department Potable Water, Retained Water & Wastewater Construction Specifications Manual, latest edition as available on the Internet @ <http://www.hernandocountyfla.com/departments/departments-2/utilities/engineering>
 11. HCUD owned infrastructure HCUD personnel must be present to physically verify that the installation of all pipe fittings has been done per plan before burying. These fittings shall include but not limited to coupling, restraint, tee, 90, 45, 22.5, 11, air release, and any diversions from a straight pipe run. If HCUD has not inspected the fitting before burying the contractor will be responsible for uncovering for inspection.
 12. All after hour work requests must be submitted to HCUD a minimum 6 business days (not including public holidays and weekends) prior to the proposed work. The request must follow HCUD's revised Scheduled After Hours Work Request SDP dated 3-26-18 (or latest edition). If after hours work is proposed contact HCUD to receive the revised SDP prior to requesting after hours work.

LEGEND

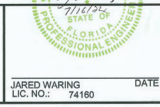
---	EXISTING VM
---	NEW 8" C900 PVC VM
---	NEW 1" SERVICE LINE
---	EDGE OF PAVEMENT
---	PROPERTY LINE
---	EASEMENT LINE
---	EXISTING SS GRAVITY LINE
▶	NEW 8" CONTROL VALVE
◻	PROPOSED CAP
T	8"X8"X2" RJ TEE
Λ	8"X8" 45 DEG. DI RJ ELB.
Λ	8"X8" 22.5 DEG. DI RJ ELB.
▶	NEW 6" X 8" REDUCER

NO.	DESCRIPTION	BY	DATE

SCALE : 1" = 20'

Prepared By:
HERNANDO COUNTY UTILITIES DEPARTMENT

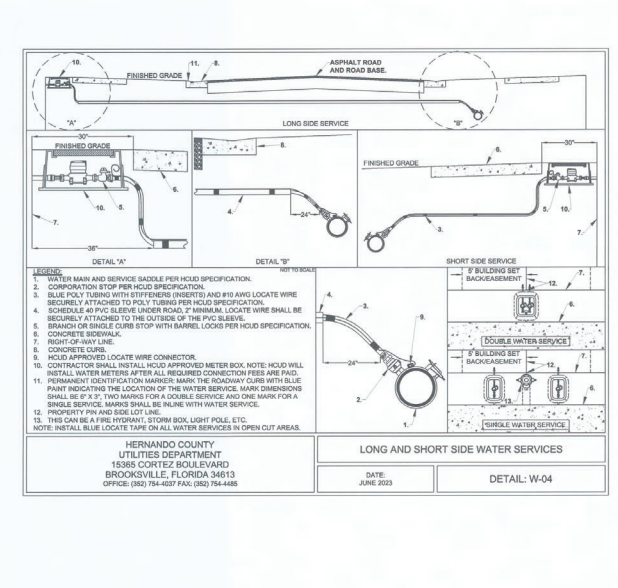
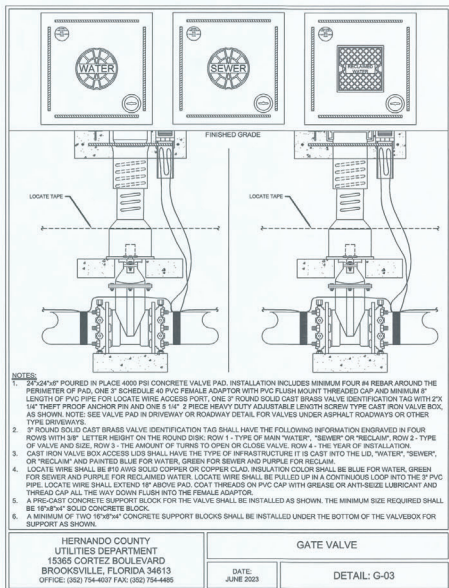
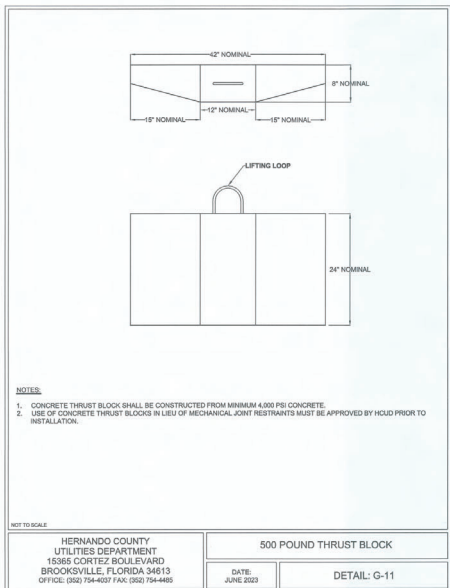
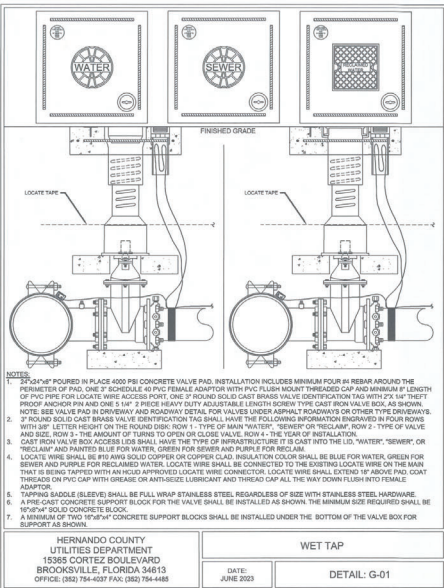
HERNANDO COUNTY UTILITIES DEPARTMENT
 15366 CORTEZ BOULEVARD
 BROOKSVILLE, FLORIDA 34613
 PH: 352-754-4037 FAX: 354-754-4485



DESIGNED BY: JLW
 DRAWN BY: JLW
 CHECKED BY: JLW
 APPROVED BY: JLW

PROJECT NAME
WEEKI WACHEE WATER MAIN INTERCONNECT SITE PLAN

PROJECT NO.:
 DATE: 5/31/2024
 SHEET NO.: 2



PIPE SIZE (INCHES)	4	6	8	10	12	14	16	18	20	24
1 1/2" BEND	2(3)	3(4)	4(5)	5(6)	6(7)	7(8)	8(9)	9(10)	10(11)	11(12)
2 1/2" BEND	5(6)	7(8)	9(10)	11(12)	13(14)	15(16)	17(18)	19(20)	21(22)	23(24)
4" BEND	15(16)	19(20)	23(24)	27(28)	31(32)	35(36)	39(40)	43(44)	47(48)	51(52)
6" BEND	21(24)	26(33)	31(44)	44(52)	52(60)	60(68)	67(76)	75(83)	82(90)	90(98)
COPPED END*	43(51)	54(63)	78(111)	82(103)	106(150)	124(177)	138(192)	152(206)	166(220)	180(274)
90° VALVE**	36(50)	45(71)	64(92)	77(111)	90(130)	103(148)	116(165)	129(182)	142(198)	160(225)

DUCTILE IRON PIPE RESTRAINED JOINTS FOR HORIZONTAL FITTINGS

PIPE SIZE (INCHES)	4	6	8	10	12	14	16	18	20	24
1 1/2" BEND	5(6)	6(8)	8(11)	10(13)	11(16)	13(18)	14(20)	15(22)	17(24)	20(28)
2 1/2" BEND	9(12)	12(17)	16(22)	19(27)	22(31)	25(36)	28(44)	31(44)	34(50)	39(56)
4" BEND	15(21)	20(28)	25(34)	29(38)	33(44)	37(50)	41(56)	45(62)	49(66)	53(72)
6" BEND	43(51)	54(63)	78(111)	82(103)	106(150)	124(177)	138(192)	152(206)	166(220)	180(274)

DUCTILE IRON PIPE RESTRAINED JOINTS FOR VERTICAL FITTINGS

BRANCH (INCHES)	4	6	8	10	12	14	16	18	20	24
4	21(20)									
6	11(15)	38(54)								
8	8(9)	31(44)	55(79)							
10	0(0)	29(32)	55(71)	71(101)						
12	0(0)	15(21)	44(60)	58(94)	87(123)					
14	0(0)	8(9)	31(58)	51(87)	82(117)	101(144)				
16	0(0)	0(0)	31(44)	56(79)	78(111)	98(138)	116(166)			
18	0(0)	0(0)	24(34)	50(71)	73(105)	94(134)	113(161)	130(185)		
20	0(0)	0(0)	17(24)	45(63)	69(98)	90(128)	109(156)	127(181)	144(200)	
24	0(0)	0(0)	2(3)	33(44)	58(84)	81(116)	102(146)	121(172)	138(197)	172(244)

DUCTILE IRON PIPE TEE RESTRAINT JOINTS

BRANCH (INCHES)	4	6	8	10	12	14	16	18	20	24
4	21(20)									
6	11(15)	38(54)								
8	8(9)	31(44)	55(79)							
10	0(0)	29(32)	55(71)	71(101)						
12	0(0)	15(21)	44(60)	58(94)	87(123)					
14	0(0)	8(9)	31(58)	51(87)	82(117)	101(144)				
16	0(0)	0(0)	31(44)	56(79)	78(111)	98(138)	116(166)			
18	0(0)	0(0)	24(34)	50(71)	73(105)	94(134)	113(161)	130(185)		
20	0(0)	0(0)	17(24)	45(63)	69(98)	90(128)	109(156)	127(181)	144(200)	
24	0(0)	0(0)	2(3)	33(44)	58(84)	81(116)	102(146)	121(172)	138(197)	172(244)

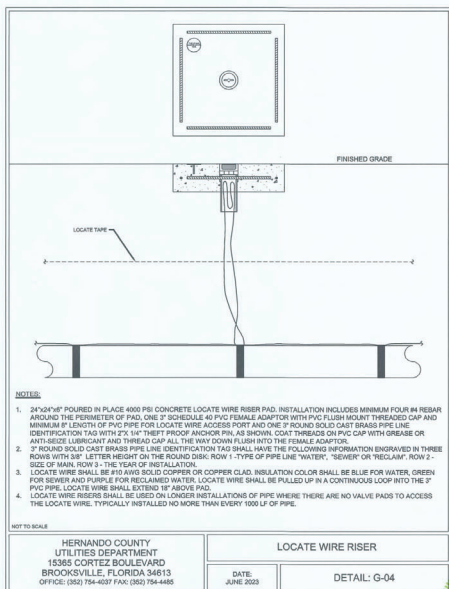
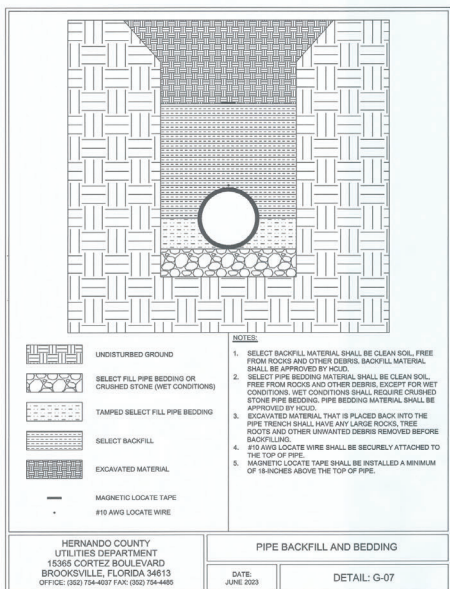
NOTES:

- THE PROGRAM THRUST RESTRAINT DESIGN FOR DUCTILE IRON PIPE** ON THE DUCTILE IRON PIPE RESEARCH ASSOCIATION (DIPRA) WEB SITE WAS USED TO CALCULATE THE LENGTH OF RESTRAINED JOINTS. THE CALCULATIONS ARE BASED ON TYPE S LAYING CONDITIONS, SANDWICH SOIL OBSERVATION, 3.0 FEET MINIMUM COVER, AND 150 PSI OPERATING PRESSURE WITH A 1.5 TO 1 SAFETY FACTOR. THE LINEAR FEET SHOWN ARE MINIMUM REQUIREMENTS.
- THE NUMBER IN PARENTHESES REPRESENTS LINEAR FEET OF RESTRAINT FOR PC PIPE AND POLY WRAPPED DUCTILE IRON PIPE.
- THE LINEAR FEET OF PIPE IS MEASURED FROM THE FITTING OR VALVE TO THE AMOUNT SHOWN ON THE CHART. ANY BELL OR JOINT HAVING TWO REASSEMBLY SHALL HAVE A BELL ON JOINT RESTRAINT INSTALLED.
- ALL BEND FITTINGS SHALL HAVE RESTRAINTS INSTALLED PER THE CHART IN BOTH DIRECTIONS.
- BRANCH SIDE OF TEE IS TO BE RESTRAINED PER THE CHART.
- * COPPED ENDS ALSO INCLUDES VALVES INSTALLED AT THE END OF THE PIPE.
- ** IN-LINE VALVES SHALL BE RESTRAINED IN BOTH DIRECTIONS THE AMOUNT SHOWN ON CHART.

HERNANDO COUNTY UTILITIES DEPARTMENT
15365 CORTEZ BOULEVARD
BROOKSVILLE, FLORIDA 34613
OFFICE: (352) 754-4037 FAX: (352) 754-4485

DATE: JUNE 2023

PIPELINE JOINT RESTRAINT TABLE
DETAIL: G-05



LOCATION OF PUBLIC WATER SYSTEM MAINS IN ACCORDANCE WITH F.A.C. RULE 62-555.314

OTHER PIPE	HORIZONTAL SEPARATION	CROSSINGS (1)	JOINT SPACING AT CROSSINGS (FULL JOINT CENTERED)
STORM SEWER, STORM WATER FORCE MAIN, RECLAIMED WATER (2)	3 FEET MINIMUM	WATER MAIN 12 INCHES MINIMUM EXCEPT FOR STORM SEWER, THEN 8 INCHES PREFERRED	ALTERNATE 3 FOOT MINIMUM WATER MAIN
VACUUM SANITARY SEWER	18 FEET PREFERRED 12 FEET MINIMUM	WATER MAIN 12 INCHES PREFERRED 8 INCHES MINIMUM	ALTERNATE 3 FOOT MINIMUM WATER MAIN
GRAVITY OR PRESSURE, SANITARY SEWER, SANITARY SEWER FORCE MAIN, RECLAIMED WATER (4)	18 FEET PREFERRED 8 FEET MINIMUM (5)	WATER MAIN 12 INCHES MINIMUM EXCEPT FOR GRAVITY SEWER, THEN 8 INCHES MINIMUM, 12 INCHES PREFERRED	ALTERNATE 3 FOOT MINIMUM WATER MAIN

ON-SITE SEWAGE TREATMENT AND DISPOSAL SYSTEM

15 FEET MINIMUM

NOTES:

- (1) WATER MAIN SHOULD CROSS ABOVE OTHER PIPE, WHICH WATER MAIN MUST BE BELOW OTHER PIPE. THE MINIMUM SEPARATION IS 12 INCHES.
- (2) RECLAIMED WATER REGULATED UNDER PART II OF CHAPTER 62-555.314, F.A.C.
- (3) 3 FEET FOR GRAVITY SANITARY SEWER WHERE THE BOTTOM OF THE WATER MAIN IS LAID AT LEAST 8 INCHES ABOVE THE TOP OF THE GRAVITY SANITARY SEWER.
- (4) RECLAIMED WATER NOT REGULATED UNDER PART II OF CHAPTER 62-555.314, F.A.C.
- (5) SEE CHAPTER 62-555.314, F.A.C. FOR ADDITIONAL CONSTRUCTION REQUIREMENTS.

HERNANDO COUNTY UTILITIES DEPARTMENT
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BROOKSVILLE, FLORIDA 34613
OFFICE: (352) 754-4037 FAX: (352) 754-4485

DATE: JUNE 2023

FDEP PIPELINE SEPARATIONS
DETAIL: G-06

NO.	DESCRIPTION	BY	DATE

SCALE: NOT TO SCALE

Prepared By:

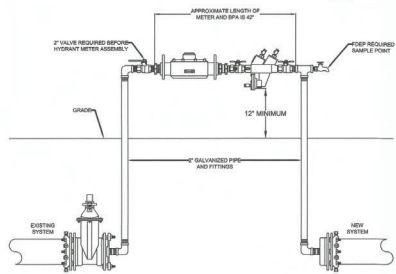
HERNANDO COUNTY UTILITIES DEPARTMENT

HERNANDO COUNTY UTILITIES DEPARTMENT
15365 CORTEZ BOULEVARD
BROOKSVILLE, FLORIDA 34613
PH: 352-754-4037 FAX: 354-754-4485

DESIGNED BY: JLW
DRAWN BY: JLW
CHECKED BY: JLW
APPROVED BY: JLW

PROJECT NAME
WEEKI WACHEE WATER MAIN INTERCONNECT DETAILS 1

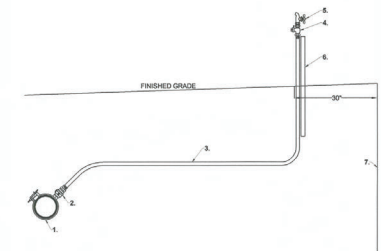
PROJECT NO:
DATE: 5/31/2024
SHEET NO: 3



- NOTES:**
- CONTACT HCUO TO SIGN UP FOR A HYDRANT METER ACCOUNT.
 - HCUO WILL SUPPLY METER AND BPA ASSEMBLY AFTER ACCOUNT IS SET UP AND FEES ARE PAID.
 - JUMPER METER ASSEMBLY SHALL BE PROPERLY SUPPORTED AT ALL TIMES.

NOT TO SCALE

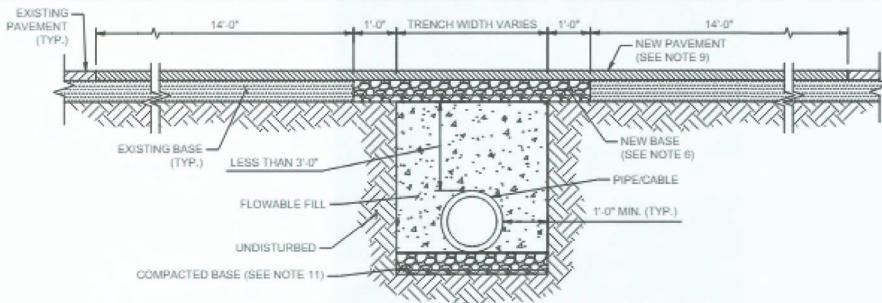
HERNANDO COUNTY UTILITIES DEPARTMENT 15365 CORTEZ BOULEVARD BROOKSVILLE, FLORIDA 34613 OFFICE: (352) 754-4037 FAX: (352) 754-4485	TEMPORARY WATER SERVICE CONNECTION/ JUMPER METER
DATE: JUNE 2023	DETAIL: W-03



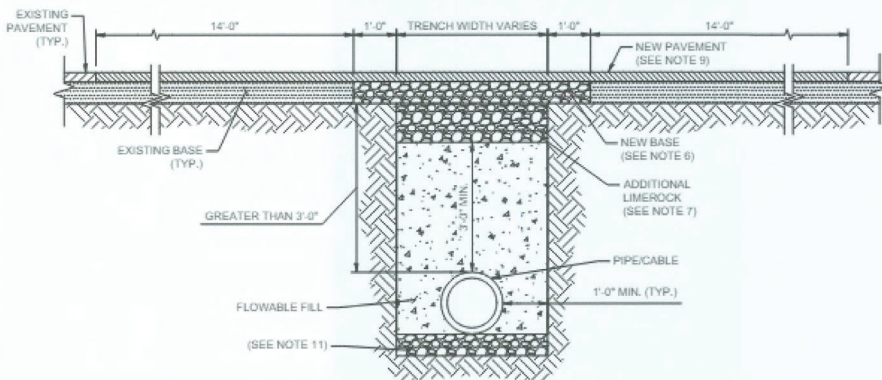
- LEGEND:**
- WATER MAIN AND SERVICE SADDLE PER HCUO SPECIFICATION.
 - CORPORATION STOP PER HCUO SPECIFICATION.
 - BLUE POLY TUBING WITH EFFERESCENT INSERTS. NO LOCATE WIRE IS REQUIRED ON THE TEMPORARY SAMPLE POINT.
 - SINGLE CTS X PIP C/488 8\"/>
- NOTES:**
- TEMPORARY WATER SAMPLE POINT SHALL BE REMOVED EXCEPT FOR SERVICE SADDLE AND CORPORATION STOP AFTER THE PASSING WATER SAMPLE RESULTS ARE SUBMITTED AND THE WATER SYSTEM IS PLACED INTO SERVICE BY FWP. THE CORPORATION STOP SHALL BE CLOSED AND THE END CAPPED WITH A SCHEDULE 40 PVC CAP.
 - THE CONTRACTOR CAN NOT COLLECT THEIR OWN WATER SAMPLES. WATER SAMPLES MUST BE COLLECTED AND PROCESSED BY A STATE CERTIFIED LAB.

NOT TO SCALE

HERNANDO COUNTY UTILITIES DEPARTMENT 15365 CORTEZ BOULEVARD BROOKSVILLE, FLORIDA 34613 OFFICE: (352) 754-4037 FAX: (352) 754-4485	TEMPORARY WATER SAMPLE POINT
DATE: JUNE 2023	DETAIL: W-08



OPEN ROAD CUT - UTILITY LESS THAN 3'-0" BELOW BOTTOM OF BASE



OPEN ROAD CUT - UTILITY GREATER THAN 3'-0" BELOW BOTTOM OF BASE

- NOTES:**
- THE USE OF "OPEN CUT" PLACEMENT OF UTILITIES IS DISCOURAGED, AND SHOULD ONLY BE CONSIDERED WHEN CONVENTIONAL DIRECTIONAL DRILLING AND / OR JACK AND BORE CANNOT BE REASONABLY ACCOMPLISHED. OPEN CUTS REQUIRE EXTENSIVE TRAFFIC CONTROL DURING THE WORK, WHICH MAY EXCEED 12 HOURS. DISRUPTION TO MAINLINE AND SIDE STREET TRAFFIC ACCESS MUST BE CONSIDERED.
 - DETAILED RESTORATION PLANS, AND MAINTENANCE OF TRAFFIC PLANS MUST BE SUBMITTED WITH ANY REQUEST FOR EACH OPEN CUT.
 - ALL PAVEMENT MUST BE SAW CUT.
 - TRENCH TO BE CLEAN CUT. TRENCH TO EXTEND A MINIMUM OF 1'-0" BEYOND PIPE OUTSIDE DIAMETER.
 - FLOWABLE FILL TO BE EXCAVATABLE AND MEET THE REQUIREMENTS OF FDOT STANDARD SPECIFICATIONS, WITH A USUAL INITIAL CURE TIME OF 12 HOURS PRIOR TO OPENING ROADWAY TO TRAFFIC.
 - LIMEROCK BASE REPLACEMENT TO MATCH DEPTH OF EXISTING BASE, BUT IN NO CASE LESS THAN 6" FOR DRIVEWAYS AND 8" FOR ROADWAYS; COMPACTED TO 98% AASHTO T-180 METHOD, LBR100.
 - ON OPEN CUTS GREATER THAN 3'-0" FROM BOTTOM OF BASE TO TOP OF PIPE OR CABLE, INSTALL FLOWABLE FILL 3'-0" DEEP PER NOTE 5, WITH REMAINDER OF DEPTH TO BASE TO BE FILLED WITH LIMEROCK IN MAXIMUM 4" LIFTS, COMPACTED TO 98% AASHTO T-180 METHOD, LBR100.
 - RC-70 OR EQUIVALENT LIQUID ASPHALT EMULSION SHALL BE APPLIED TO ALL EXPOSED LIMEROCK AND PAVEMENT JOINT SURFACES.
 - ASPHALT CONCRETE REPLACEMENT TO MATCH DEPTH OF EXISTING PAVEMENT, BUT IN NO CASE LESS THAN 1 1/2" OF TYPE SP 8.5.
 - CONTRACTOR IS RESPONSIBLE FOR CORRECTION OF ANY SETTLING PAVEMENT SURFACES FOR A PERIOD OF ONE YEAR AFTER ACCEPTANCE OF OPEN CUT WORK.
 - PROVIDE SELECT FILL PIPE BEDDING OR CRUSHED STONE (WET CONDITION) WHERE THE EXISTING BEDDING MATERIAL IS OF INADEQUATE SUPPORTING VALUE, AS DETERMINED BY THE ENGINEER.

OPEN CUT PAVEMENT RESTORATION

SCALE:
NOT TO SCALE

Prepared By:
**HERNANDO COUNTY
UTILITIES DEPARTMENT**



**HERNANDO COUNTY
UTILITIES DEPARTMENT**
15365 CORTEZ BOULEVARD
BROOKSVILLE, FLORIDA 34613
PH: 352-754-4037 FAX: 354-754-4485



DESIGNED BY: JLW
DRAWN BY: JLW
CHECKED BY: JLW
APPROVED BY: JLW

PROJECT NAME
**WEEKI WACHEE WATER
MAIN INTERCONNECT
DETAILS 2**

PROJECT NO:
DATE:
5/31/2024
SHEET NO:
4

JARED WARING
LIC. NO.: 74180

DATE

APPROVED BY: JLW



PROCUREMENT DEPARTMENT

15470 FLIGHT PATH DRIVE ♦ BROOKSVILLE, FLORIDA 34604
P 352.754.4020 ♦ F 352.754.4199 ♦ W www.HernandoCounty.us

ADDENDUM # ONE (1)

TO
THE CONTRACT DOCUMENTS FOR THE
Weeki Wachee Woodlands WM Interconnect
IN
HERNANDO COUNTY, FLORIDA
Request for Quote NO. 23-T00040/AP Q15

Bidders are required to acknowledge receipt of this Addendum via OpenGov prior to the time of the Bid Opening.

The following changes, additions and/or deletions are hereby made a part of the Contract Documents for the above-referenced Request for Quote as fully and completely as if the same were fully set forth therein:

A. CLARIFICATIONS

1. The Request for Quote timeline is hereby revised as follows:

Response Submission Deadline: **October 4 8, 2024**, 5:00 PM

Contractor Selection Date: **October 9 16, 2024**

B. QUESTIONS AND ANSWERS

1.Q. Is there a variance to use lime rock instead of flowable fill for the open cut of Philatelic?

1.A. Yes, the County is agreeable to the use of lime rock instead of flowable fill for the open cut of Philatelic. The Contractor shall match the existing asphalt thickness along with getting their densities on each lift.

2.Q. Is the meter at lot 218 a double or single service?

2. A. Lot 218 is a single service and Lot 220 is a double service.

3.Q. Where is the closest fire hydrant for construction water.?

3.A. The closest fire hydrant is near to the intersection of Apache Tr and Philatelic Dr, between 8007 and 8017 Philatelic Dr.

4.Q. Does the tie-in at Philatelic require night work to shut the road down?

4.A. No, there is an alternate route for any residents that need to access Philatelic Dr. north of the open cut. With proper Maintenance of Traffic this can be done during the day.

BOARD OF COUNTY COMMISSIONERS OF HERNANDO COUNTY, FLORIDA

Erin L Kluis Briggs

Digitally signed by Erin L Kluis
Briggs
Date: 2024.09.30 15:29:28 -04'00'

For: Carla Rossiter-Smith, MSM PMP
Chief Procurement Officer