



**REQUEST FOR QUOTATION
RFQ #15-1394-DS**

12th St. E. Drainage Improvements and Water Main Lowering Project

Manatee County, a political subdivision of the State of Florida, (hereinafter "Owner") will receive quotes from individuals, corporations, partnerships, and other legal entities organized under the laws of the State of Florida or authorized to conduct business in the State of Florida.

DATE ISSUED: April 3, 2015

DUE DATE: April 28, 2015 at 3:00 PM

DEADLINE FOR CLARIFICATION REQUESTS:

April 14, 2015 at 3:00PM

Reference Quote Article A.06

Acceptable methods of receipt:

Email address: Donna.stevens@mymanatee.org

FAX: (941) 749-3034

U.S. Mail: Manatee County Purchasing Division
(RFQ# 15-1394-DS)

1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205

The specifications stated herein are the minimum requirements. All quotes submitted must be in accordance with the Request for Quotation, Contract Documents/Specifications and Signed and Sealed Plans.

Important Note: A prohibition of Lobbying has been enacted. Please review paragraph A.05, page A-4 carefully to avoid violation and possible sanctions.

CLARIFICATION/ INFORMATION CONTACT:

Donna M. Stevens, Contract Specialist

(941) 749-3055

Donna.Stevens@mymanatee.org

Manatee County Financial Management Department
Purchasing Division

AUTHORIZED FOR RELEASE: DWW

Table of Contents

RFQ# 15-1394-DS

12th Street East Drainage Improvements and Watermain Lowering Project

Section A Information to Quoters.....A-1-13

Section B Scope of Work.....B-1-3

Plans:

All plans are prepared by Manatee County Government, Signed and Sealed
March 24, 2015 (Total 13 pages).

Title of Specifications:

A. Special Provisions.....22 pages
B. Specifications dated April 2015.....136 pages

Section C Quote Summary.....C-1-2

Quote Form.....B-1-6

Section D Insurance and Bonding Requirements.....D1-7

Attachments:

Attachment A Bidder's Questionnaire.....3 pages

Attachment B Public Contracting & Environmental Crimes Certification.....2 pages

Attachment C The Florida Trench Safety Act.....1page

Attachment D ePayables Application.....1page

Construction Agreement for Stipulated Sum.....1-9

General Conditions of the Construction Agreement.....GC 1-44

Exhibits:

Exhibit "A" Title(s) of Drawings.....1 page

Exhibit "B" Title(s) of Specification.....1 page

Exhibit "C" Affidavit of No Conflict.....1 page

Exhibit "D" Contractor's Certificate(s) of Insurance1 page

Table of Contents
RFQ# 15-1394-DS

12th Street East Drainage Improvements and Watermain Lowering Project

Exhibit "E" Contractor's Payment and Performance Bond1 page

Exhibit "F" Standard Forms consisting of:

 Application for Payment (Rev. dated October 2011).....1 page

 Certificate of Substantial Completion (S.C.) (Rev. dated 1/16/08).....1 page

 Final Reconciliation/Warranty Period Declaration/Contractor's Affidavit
 (Rev. dated 7/23/09).....1 page

 Contract Change Order (dated 11/10/2014).....2 pages

 Public Construction Bond Form (Rev.9/11/14).....2 pages

A.01 QUOTE FORM

All blank spaces on the quote form must be filled in as noted with amounts extended and totaled and no changes shall be made in the wording of the forms or in the items thereupon. In the event a change is made in your submittal, the quoter shall write its initials by the change. Any quote reply may be rejected which contains any omissions, alterations, irregularities of any kind, or which shall in any manner fail to conform to the requirements of this Request for Quotation.

A quote made by an individual, either in his/her own or proper person or under a trade or firm name, shall be executed under the individual's signature. If made by a partnership, the quote shall be executed by two or more of the general partners. If made by a corporation, the quote shall be executed by its President or other legally authorized corporate officer or agent.

A.02 EXAMINATION OF QUOTE DOCUMENTS AND SITE(S)

It is the responsibility of each quoter before submitting a quote, to (a) examine the RFQ documents thoroughly; (b) visit the Project Site(s) to become familiar with local conditions that may affect cost, progress, performance, or furnishing of the Work; (c) consider federal, state, and local codes, laws, and regulations that may affect costs, progress, performance, or furnishing of the Work; (d) study and carefully correlate quoter's observations with the Request for Quotation documents; and (e) notify Owner of all conflicts, errors, or discrepancies in the Request for Quotation documents.

Each quoter may, at quoter's own expense, make or obtain any additional examinations, investigations, explorations, tests and studies, and obtain any additional information and data which pertain to the physical conditions at or contiguous to the Project Site(s) or otherwise which may affect cost, progress, performance or furnishing of the Work and which quoter deems necessary to determine his quote for performing and furnishing the Work in accordance with the time, price and other terms and conditions of the Request for Quotation documents. Owner will provide each quoter access to the site(s) to conduct such explorations and tests.

Quoter shall fill all holes, clean up and restore the Project Site(s) to its former condition upon completion of such explorations. The lands upon which the Work is to be performed, rights-of-way and easements for access thereto, and other lands designated for use by successful quoter in performing the Work are identified in the Request for Quotation documents.

All additional lands and access thereto required for temporary construction facilities or storage of materials and equipment are to be provided by successful Quoter. Easements for permanent structures or permanent changes in existing structures are to be obtained and paid for by Owner unless otherwise provided in the Request for Quotation documents.

Inspection of the Project Site(s) is a **requirement** to be considered for award of this

A.02 EXAMINATION OF QUOTE DOCUMENTS AND SITE(S) (Continued)

quote. Prior to submitting a quote, each quoter shall examine the Project Site(s) and all conditions thereon fully familiarizing themselves with the full scope of the Work. Failure to become familiar with Project Site conditions will in no way relieve the successful quoter from the necessity of furnishing any materials or performing any Work that is required to complete the Project in accordance with the Project Plans and Specifications. Quoter shall acknowledge inspection of the Project Site(s) on his/her signed, submitted quote Form.

A.03 MODIFICATION OF QUOTE DOCUMENTS

If a quoter wishes to recommend changes to the Request for Quotation documents, the Quoter shall furnish, in writing, data and information necessary to aid Owner in evaluating the request to modify the Request for Quotation documents. Owner is not obligated to make any changes to the Request for Quotation documents. Unless an addendum is issued, the Request for Quotation documents shall remain unaltered. **Quoters must fully comply with the Request for Quotation documents in their entirety.**

A.04 CLARIFICATION & ADDENDA

Each quoter shall examine all Request for Quotation documents and shall judge all matters relating to their adequacy and accuracy. Any inquiries, suggestions or requests concerning interpretation, clarification or additional information pertaining to this Request for Quotation shall be made through the Manatee County Purchasing Division. Owner shall not be responsible for oral interpretations given by any Owner employee, representative, or others.

5:00 PM on April 14, 2015 shall be the deadline to submit to the attention of the Contract Specialist, in writing, all inquiries, suggestions, or requests concerning interpretation, clarification or additional information pertaining to this Request for Quotation.

This deadline has been established to maintain fair treatment of all potential quoter, while maintaining progression of the Work.

If any addenda is issued, Owner will post the documents on the Purchasing Division's web page at <http://www.mymanatee.org/purchasing> and then by clicking on "**Bids and Proposals**". The issuance of a written addendum is the only official method whereby interpretation, clarification or additional information can be given.

It shall be the **responsibility of each quoter, prior to submitting a quote**, to contact the Purchasing Division (see contact information on the cover page) to **determine if any addenda were issued** and to make such addenda a part of their quote.

A.05 LOBBYING

After the issuance of any Request for Quotation, prospective quoter's or their agents, representatives or persons acting at the request of such quoter shall not contact, communicate with or discuss any matter relating to the Request for Quotation with any officer, agent or employee of Manatee County other than the Purchasing Official or the contact identified in this Request for Quotation, pursuant to the Manatee County Code of Laws. This prohibition includes copying such persons on all written communication, including email correspondence. This requirement begins with the issuance of a Request for Quotation and ends upon execution of the final Agreement or when the Request for Quotation has been cancelled. Violators of this prohibition shall be subject to sanctions as provided in the Manatee County Code of Laws.

A.06 UNBALANCED QUOTING PROHIBITED

Owner recognizes that large and/or complex projects will often result in a variety of methods, sources, and prices. However, where in the opinion of Owner such variation does not appear to be justified, given quote requirements and industry and market conditions, the quote will be presumed to be unbalanced. Examples of unbalanced quotes will include:

- a. Quotes showing omissions, alterations of form, additions not specified, or required conditional or unauthorized alternate quotes.
- b. Quotes quoting prices that substantially deviate, either higher or lower, from those included in the quotes of competitive quoter's for the same line item unit costs.
- c. Quotes where the unit costs offered are in excess of or below reasonable cost analysis values.

In the event Owner determines that a quote is presumed unbalanced, it will request the opportunity to and reserves the right to, review all source quotes, quotes, price lists, letters of intent, etc., which the quoter obtained and upon which the quoter relied upon to develop its quote. Owner reserves the right to reject as nonresponsive any presumptive unbalanced quotes where the quoter is unable to demonstrate the validity and/or necessity of the unbalanced unit costs.

A.07 FRONT LOADING OF QUOTE PRICING PROHIBITED

Prices offered for performance and/or acquisition activities which occur early in the Project Schedule, such as mobilization; clearing and grubbing; or maintenance of traffic; that are substantially higher than pricing of competitive quoter's within the same portion of the Project Schedule, will be presumed to be front loaded. Front loaded quotes could reasonably appear to be an attempt to obtain unjustified early payments creating a risk of insufficient incentive for the quoter to complete the Work or otherwise creating an appearance of an undercapitalized quoter.

A.07 FRONT LOADING OF QUOTE PRICING PROHIBITED (Continued)

In the event Owner determines that a quote is presumed to be front loaded, it will request the opportunity to, and reserves the right to, review all source quotes, price lists, letters of intent, etc., which the quoter obtained and upon which the quoter relied upon to develop the pricing or acquisition timing for these quoted items. Owner reserves the right to reject as nonresponsive any presumptive front loaded quotes where the quoter is unable to demonstrate the validity and/or necessity of the front loaded costs.

A.08 WITHDRAWAL OF QUOTES

Quoters may withdraw quotes as follows:

- a. Mistakes discovered before the reply date and time may be withdrawn by written notice from the quoter submitting the quote. This request must be received in the Purchasing Division prior to the time set for delivery and opening of the quotes. A copy of the request shall be retained and the quote reply shall be returned to the quoter; or
- b. After the quotes are received and reviewed or a selection has been determined, but before an Agreement is signed, a quoter alleging a material mistake of fact may be permitted to withdraw their quote if:
 1. The mistake is clearly evident in the solicitation document; or
 2. Quoter submits evidence which clearly and convincingly demonstrates that a mistake was made. Request to withdraw a quote must be in writing and approved by the Purchasing Official.

A.09 IRREVOCABLE OFFER

Any quote may be withdrawn up until the time and date set for opening of the quote. Any quote not so withdrawn shall, upon opening, constitute an irrevocable offer for a period of ninety (90) days to sell to Manatee County the goods or services set forth in the attached Request for Quotation until one or more of the quotes have been duly accepted by Owner.

A.10 QUOTE EXPENSES

All expenses for making quotes to Owner are to be borne by the quoter.

A.11 RESERVED RIGHTS

Owner reserves the right to accept or reject any and/or all quotes, to waive irregularities and technicalities, and to request resubmission. Also, Owner reserves the right to accept all or any part of the quote and to increase or decrease quantities to meet additional or reduced requirements of Owner. Any sole response received by the first submission date may or may not be rejected by Owner depending on available competition and current needs of Owner. For all items combined, the quote of the lowest, responsive, responsible quoter will be accepted, unless all quotes are rejected.

A.11 RESERVED RIGHTS (continued)

The lowest, responsible quoter shall mean that quoter who makes the lowest quote to sell goods and/or services of a quality which meets or exceeds the quality of goods and/or services set forth in the Request for Quotation documents or otherwise required by Owner.

To be responsive, a quoter shall submit a quote which conforms in all material respects to the requirements set forth in the Request for Quotation.

To be a responsible the quoter shall have the capability in all respects to perform fully the quote requirements, and the tenacity, perseverance, experience, integrity, reliability, capacity, facilities, equipment, and credit which will assure good faith performance.

Also, Owner reserves the right to make such investigation as it deems necessary to determine the ability of any quoter to furnish the service requested. Information Owner deems necessary to make this determination shall be provided by the quoter. Such information may include, but shall not be limited to current financial statements, verification of availability of equipment and personnel, and past performance records.

A.12 APPLICABLE LAWS

Quoter must be authorized to transact business in the State of Florida. All applicable laws and regulations of the State of Florida and ordinances and regulations of Manatee County will apply to any resulting Agreement. Any involvement with the Manatee County Purchasing Division shall be in accordance with the Manatee County Purchasing Ordinance as amended.

A.13 COLLUSION

By submitting a quote to this Request for Quotation, quoter certifies that it has not divulged, discussed or compared its quote with any other quoter, and has not colluded with any other quoter or parties to this quote whatsoever. Also, quoter certifies, and in the case of a joint quote each party thereto certifies as to their own organization, that in connection with this quote:

- a. any prices and/or cost data submitted have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices and/or cost data, with any other quoter or with any competitor;
- b. any prices and/or cost data quoted for this quote have not been knowingly disclosed by the quoter and will not knowingly be disclosed by the quoter, prior to the scheduled opening, directly or indirectly to any other quoter or to any competitor;
- c. no attempt has been made or will be made by the quoter to induce any other person or firm to submit or not to submit a quote for the purpose of restricting competition;

A.13 COLLUSION (Continued)

- d. the only person or persons interested in this quote, principal or principals is/are named therein and that no person other than therein mentioned has any interest in this quote or in the resulting Agreement to be entered into; and
- e. no person or agency has been employed or retained to solicit or secure the resulting Agreement upon an agreement or understanding or a commission, percentage, brokerage, or contingent fee except bona fide employees or established commercial agencies maintained by quoter for purpose of doing business.

A.14 CODE OF ETHICS

With respect to this quote, if any quoter violates, directly or indirectly, the ethics provisions of the Manatee County Purchasing Ordinance and/or Florida criminal or civil laws related to public procurement, including but not limited to Chapter 112, Part III, Code of Ethics for Public Officers and Employees, Florida Statutes, such quoter will be disqualified from eligibility to perform the Work described in this Request for Quotation, and may also be disqualified from furnishing future goods or services to, and from submitting any future quotes to supply goods or services to, Manatee County.

By submitting a quote, the quoter represents to Owner that all statements made and materials submitted are truthful, with no relevant facts withheld. If a quoter is determined to have been untruthful in their quote or any related presentation, such quoter will be disqualified from eligibility to perform the Work described in this Request for Quotation, and may also be disqualified from furnishing future goods or services to, and from submitting any future quotes to supply goods or services to, Manatee County.

A.15 PUBLIC CONTRACTING AND ENVIRONMENTAL CRIMES

A person or affiliate who has been placed on the convicted vendor list following a conviction for a public entity crime, as that term is defined in Section 287.133, Florida Statutes, may not submit a quote to provide any goods or services to a public entity; may not submit a quote with a public entity for the construction or repair of a public building or public work; may not submit quotes on leases of real property to a public entity; may not be awarded or perform Work as a contractor, supplier, Subcontractor, or consultant under an agreement with any public entity; and may not transact business with any public entity in excess of the threshold amount provided in Section 287.017, Florida Statutes, for CATEGORY TWO for a period of thirty-six (36) months following the date of being placed on the convicted list.

In addition, the Manatee County Code of Laws prohibits the award of any quote to any person or entity who/which has, within the past five (5) years, been convicted of, or admitted to in court or sworn to under oath, a public entity crime or of any environmental law that, in the reasonable opinion of the Purchasing Official, establishes reasonable grounds to believe the person or business entity will not conduct business in a responsible matter.

A.15 PUBLIC CONTRACTING AND ENVIRONMENTAL CRIMES (Continued)

To ensure compliance with the foregoing, the Code requires all persons or entities desiring to do business with Owner to execute and file with the Purchasing Official an affidavit, executed under the pain and penalties of perjury, confirming that person, entity and any person(s) affiliated with the entity, does not have such a record and is therefore eligible to seek and be awarded business with Owner. In the case of a business entity other than a partnership or a corporation, such affidavit shall be executed by an authorized agent of the entity. In the case of a partnership, such affidavit shall be executed by the general partner(s). A Public Contracting and Environmental Crimes Certification form is attached herein for this purpose.

A.16 QUOTE FORMS

Quotes must be submitted on the provided forms, although additional pages may be attached. **Quoters must fully complete all pages of the quote forms. Quote forms must be executed by an authorized signatory who has the legal authority to make the quote and bind the company. Quoters must fully comply with all requirements of this Request for Quotation in its entirety.** Failure to comply shall result in quoter being deemed nonresponsive.

A.17 AGREEMENT FORMS

The Agreement resulting from the Acceptance of a quote shall be in the form of the Agreement stated in this Request for Quotation, which is attached herein.

A written notice confirming award or recommendation thereof will be forwarded to the successful quoter accompanied by the required number of unsigned counterparts of the Agreement. Within ten (10) days thereafter, successful quoter shall sign and deliver the required number of counterparts of the Agreement with any other required documents to Owner. (Note: Agreement must be approved in accordance with Chapter 2-26 of the Manatee County Code of Laws and the Administrative Standards and Procedures Manual approved by the County Administrator).

A.18 LEGAL NAME

Quotes shall clearly indicate the legal name, address and telephone number of the quoter on the quote form. Quote forms shall be signed above the typed or printed name and title of the signer. The signer must have the authority to bind the quoter to the submitted quote.

When quoter is a partnership, the Quote Form shall be signed in the name of the firm and by all partners required under the terms of the partnership agreement. When a corporation is a quoter, the authorized corporate officers shall sign.

Quoters who are corporations or limited partnerships shall provide a certified copy of their permit to transact business in the State of Florida, preferably along with the quote form, or within forty-eight (48) hours after request by Owner.

A.18 LEGAL NAME (Continued)

When submitting a quote as a joint venture, it must have filed paper documents with the Division of Profession's Construction Industry Licensing Board prior to submitting a quote.

A.19 DISCOUNTS

Any and all discounts must be incorporated in the prices contained in the quote and not shown separately. The prices indicated on the quote form shall be the prices used in determining award.

A.20 TAXES

Manatee County is exempt from Federal Excise and State Sales Taxes. (F.E.T. Cert. No. 59-78-0089K; Florida Sales Tax Exempt Cert. No. 85-8012622206C-6); therefore, the quoter is prohibited from delineating a separate line item in his quote for any sales or service taxes. Nothing herein shall affect the quoter's normal tax liability.

A.21 DESCRIPTIVE INFORMATION

Unless otherwise specifically provided in the Request for Quotation documents, all equipment, materials and articles provided shall be new and of the most suitable grade for the purpose intended. Unless otherwise specifically provided in the Request for Quotation documents, reference to any equipment, material, article or patented process, by trade name, brand name, make or catalog number, shall be regarded as establishing a standard of quality and shall not be construed as limiting competition.

A.22 AUTHORIZED PRODUCT REPRESENTATION

The quoter, by virtue of submitting the name and specifications of a manufacturer's product, will be required to furnish the named manufacturer's product. Failure to perform accordingly may, in Owner's sole discretion, be deemed a material breach of the resulting Agreement, and shall constitute grounds for Owner's immediate termination of the resulting Agreement.

A.23 ROYALTIES AND PATENTS

The successful quoter shall pay all royalties and license fees for equipment or processes in conjunction with the equipment and/or services being furnished. Successful quoter shall defend all suits or claims for infringement of any patent, trademark or copyright, and shall save Owner harmless from loss on account thereof, including costs and attorney's fees.

A.24 AMERICANS WITH DISABILITIES ACT

Owner does not discriminate upon the basis of any individual's disability status. This non-discrimination policy involves every aspect of Owner's functions including one's access to, participation, employment, or treatment in its programs or activities. Anyone requiring **reasonable accommodation** for an Information Conference or Quote Opening **(if applicable to solicitation)** should contact the person named on the cover page of this Request for Quotation document at least twenty-four (24) hours in advance of either activity.

A.25 EQUAL EMPLOYMENT OPPORTUNITY CLAUSE

In accordance with the provisions of Title VI of the Civil Rights Act of 1964 and Title 15, Part 8 of the Code of Federal Regulations, Owner hereby notifies all quoter's that they will affirmatively ensure minority business enterprises will be afforded full opportunity to participate in response to this advertisement and will not be discriminated against on the grounds of race, color or national origin in consideration for quote award.

A.26 MBE/DBE

The State of Florida Office of Supplier Diversity provides the certification process and the database for identifying certified MBE/DBE firms. This service may be directly accessed at: <http://www.osd.dms.state.fl.us/iframe.htm>. If you have any questions regarding this State service, please contact their office at (850) 487-0915.

A.27 MATHEMATICAL ERRORS

In the event of multiplication/extension error(s), the unit price shall prevail. In the event of addition error(s) the extension totals will prevail. In the event the dollar amount for contract contingency is omitted, it will be added to the total price of the quote. All quotes shall be reviewed mathematically and corrected, if necessary, using these standards, prior to additional evaluation.

A.28 SUBCONTRACTORS, SUPPLIERS AND OTHERS

The identity of Subcontractors, suppliers, and other persons and organizations (including those who are to furnish the principal items of material and equipment) may be requested by Owner for each quote item from any of the quoter's; and the quoter shall respond within five (5) days after the date of such request. Such list shall be accompanied by an experience statement with pertinent information regarding similar Work and other evidence of qualification for each such Subcontractor, supplier, persons or organization if requested by Owner. If Owner, after due investigation, has reasonable objection to any proposed Subcontractor, supplier, other person or organization, Owner may, before the notice of intent to award is given, request the successful quoter to submit an acceptable substitute without an increase in Contract Sum or Contract Time.

If successful quoter declines to make any such substitution, Owner may award the resulting Agreement to the next lowest qualified quoter that proposes to use acceptable Subcontractors, suppliers, and other persons who Owner does not make written objection to. Successful quoter shall not be required to employ any Subcontractor, supplier, other person or organization who successful quoter has reasonable objection to.

Subcontractors shall be bound by the terms and conditions of the resulting Agreement insofar as it applies to their Work, but this shall not relieve the successful quoter from the full responsibility to Owner for the proper completion of all Work to be executed under the resulting Agreement.

A.29 DISCLOSURE

Upon receipt, all inquiries and responses to inquiries related to this Request for Quotation become "Public Records", and shall be subject to public disclosure consistent with Florida Statutes, Chapter 119.

Quotes become subject to disclosure thirty (30) days after the opening or if a notice of intent to award decision is made earlier than this time as provided by Florida Statutes § 119.071(1)(b).

Based on the above, Owner will receive quotes at the time and date stated and will make public at the opening the names of the business entities of all that submitted a quote and any amount presented as a total offer without any verification of the mathematics or the completeness of the quote.

If Owner rejects all quotes and concurrently notices its intent to reissue the solicitation, the rejected quotes are exempt from public disclosure until such time as Owner provides notice of an intended decision concerning the reissued solicitation or until Owner withdraws the reissued solicitation. A quote is not exempt for longer than twelve (12) months after the initial notice rejecting all quotes.

Pursuant to Section 119.0701, Florida Statutes, in any Agreement entered into by Owner wherein the successful quoter is acting on behalf of Owner, successful quoter must:

- a. Keep and maintain public records that ordinarily and necessarily would be required by Owner in order to perform the service.
- b. Provide the public with access to public records on the same terms and conditions that Owner would provide and at a cost that does not exceed the cost provided in Florida Statutes, Chapter 119, or as otherwise provided by law.
- c. Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law.
- d. Meet all requirements for retaining public records and transfer, at no cost, to Owner all public records in possession of successful quoter upon termination of the awarded Agreement and/or PO and destroy any duplicate public records that are exempt or confidential from public records disclosure requirements. All records stored electronically must be provided to Owner in a format that is compatible with Owner's information technology systems.

A.30 LOCAL PREFERENCE

Local business is defined as a business legally authorized to engage in the sale of the goods and/or services to be procured, and which certifies within its quote that for at least six (6) months prior to the announcement of the solicitation of quotes it has maintained a physical place of business in Manatee, Desoto, Hardee, Hillsborough, Pinellas or Sarasota County with at least one full-time employee at that location.

Local preference shall not apply to the following categories of Agreements:

1. Purchases or Agreements which are funded, in whole or in part, by a governmental or other funding entity, where the terms and conditions of receipt of the funds prohibit the preference.
2. Any quote announcement which specifically provides that the general local preference policies set forth in this section are suspended due to the unique nature of the goods or services sought, the existence of an emergency as found by either the County Commission or County Administrator, or where such suspension is, in the opinion of the County Attorney, required by law.

To qualify for local preference under this section, a **local business must certify to Owner** by completing an **"Affidavit as to Local Business Form"**, which is available for download at www.myanatee.org/vendor. Click on "Affidavit for Local Business" to access and print the form. Complete, notarize, and mail the notarized original to the following address: Manatee County Purchasing Division, 1112 Manatee Avenue West, Suite 803, Bradenton, FL 34205.

It is the responsibility of the quoter to ensure accuracy of the Affidavit as to Local Business and notify Owner of any changes affecting same.

A.31 VENDOR REGISTRATION

Registering your business with Manatee County will enhance our opportunities to identify sources for goods and services, plus identify local businesses. This information is used for soliciting quotations up to \$250,000.00 and for competitive solicitations of larger purchases.

Our staff can assist you with your registration as needed. Our office hours are 8:00 A.M. to 5:00 P.M., Monday through Friday on regular business days. Please call (941) 749-3014 if you wish to have a Purchasing staff member assist you.

Quick steps to registration: www.myanatee.org/purchasing

A link to Vendor Registration is listed on the Purchasing Division's web page under "Register as a Vendor". Click on "Vendor Registration Form" for on-line input.

A.31 VENDOR REGISTRATION (Continued)

Registration is not mandatory; however, by taking the time to register, you are helping Owner to provide timely notification of quotation, quote and proposal opportunities to your business.

A.32 BE GREEN

All quoter's are encouraged to use as many **environmentally preferable** "green" products, materials, supplies, etc. as possible in order to promote a safe and healthy environment. **Environmentally preferable are products or services that have a reduced adverse effect on the environment.** Where all other evaluative factors, including local preference policies, are otherwise equal, such policies and practices will be a determinative factor in the award decision.

Provide detail of your organization's initiative and its ability to meet the goal of environmental sustainability.

A.33 ePAYABLES

Manatee County and Clerk of the Circuit Court have partnered to offer the ePayables program, which allows payments to be made to vendors via credit cards. The Clerk will issue a unique credit card number to each vendor; the card has a zero balance until payments have been authorized.

After goods are delivered or services rendered, vendors submit invoices to the remit to address on the purchase order according to the current process. When payments are authorized, an email notification is sent to the vendor. The email notification includes the invoice number(s), invoice date(s), and amount of payment. There is no cost for vendors to participate in this program; however, there may be a charge by the company that processes your credit card transactions.

If you are interested in participating in this program, please complete the ePayables Application attached herein and return the completed form via email to Ms. Lori Bryan, Supervisor at lori.bryan@manateeclerk.com.

NOTE: ANY OR ALL STATEMENTS CONTAINED IN THE FOLLOWING SECTIONS: SCOPE OF WORK, QUOTE SUMMARY, CONSTRUCTION AGREEMENT FOR STIPULATED SUM, AND GENERAL CONDITIONS OF THE CONSTRUCTION AGREEMENT, WHICH VARY FROM THE INFORMATION TO QUOTERS, SHALL HAVE PRECEDENCE.

END OF SECTION A

SECTION B SCOPE OF WORK

B.01 SCOPE OF WORK

The WORK included in this contract consists of providing all necessary labor, superintendence, materials, equipment, incidentals, plant power, light, heat, fuel, water, tools, appliances, equipment, supplies required to perform the construction of 575 linear feet of 6 inch water main from 56th Avenue Drive East to 180 feet north of 55th Avenue Drive East and approximately 850 LF of 15" – 24" storm drain. There are two (2) connection points to existing 4 inch watermain and two (2) 6 inch water main connections. The successful quoter shall obtain and pay for all required permits necessary for the work, other than those permits such as the DEP permit and SWFWMD permit which may have already been obtained. The Contractor shall clean up the work and maintain it during and after construction, until accepted, and shall do all work and pay all incidental costs. The Contractor shall repair or restore all structures and property that may be damaged or disturbed during performance of the work. The successful quoter shall perform and complete the work in the manner best calculated to promote rapid construction consistent with safety of life and property and to the satisfaction of the County, and in strict accordance with the specifications located within this Request for Quote. **All Maintenance of Traffic shall be provided by the Contractor including pedestrian access.**

Related Standards and Specifications:
Governing Standards and Specifications:

Applicable Design Standards modifications: For Design Standards modifications click on "Design Standards" at the following website:
<http://www.dot.state.fl.us/rddsign/>

2014 Standard Specifications for Road and Bridge Construction, click on the "Specifications" link below:
<http://www.dot.state.fl.us/specificationsoffice/>

The Work for this project shall be performed in accordance with the Florida Department of Transportation (FDOT) Standard Specifications for Road and Bridge Construction (2014 Edition), and all Supplemental Specifications thereto except as amended under the Invitation for Bid. The Work shall follow the (2009) Manatee County Public Works Utility Standards and Specification for water fixtures relocation or adjustment.

Measurement and Payment will be in accordance with the Florida Department of Transportation (FDOT) Standard Specifications for Road and Bridge Construction (2014 Edition).

With the exception of an emergency which does not follow this criteria: No work shall be done between the hours of 6:00 PM and 7:00 AM, or on weekends or legal holidays without written permission of the County. If the proper and efficient prosecution of the work requires operations during the night or weekends, the written permission of the County shall be obtained before starting such items of the work.

The Contractor shall furnish all shop drawings, working drawings, labor, materials, equipment, tools, services and incidentals necessary to complete all work required by these Specifications as shown on the Contract Drawings.

B.01 SCOPE OF WORK(Continued)

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.

B.02 COMPLETION OF WORK

The Work will be completed and ready for final inspection within the specified calendar days from the date the Contract Time commences to run. One quote shall be considered, based on 180 calendar days. Only one award shall be made.

B.03 LIQUIDATED DAMAGES

If the successful quoter fails to achieve Substantial Completion of the Work within the Contract Time and as otherwise required by the Contract Documents, the Owner shall be entitled to retain or recover from the successful quoter, as liquidated damages and not as a penalty, the sum of \$884.00 per calendar day, commencing upon the first day following expiration of the Contract Time and continuing until the actual date of Substantial Completion. Such liquidated damages are hereby agreed to be a reasonable estimate of damages the Owner will incur as a result of delayed completion of the Work. The Owner may deduct liquidated damages as described in this paragraph from any unpaid amounts then or thereafter due the successful quoter under this Agreement. Any liquidated damages not so deducted from any unpaid amounts due the successful quoter shall be payable to the Owner at the demand of the Owner, together with interest from the date of the demand at the maximum allowable rate.

B.04 CONTRACT CONTINGENCY WORK

Contract contingency is a monetary allowance used solely at Owner's discretion to handle unexpected conditions as required to satisfactorily complete the Work in accordance with the Request for Quotation documents. A Field Directive must be issued by an authorized Owner representative to authorize use of contract contingency funds.

The percentage for contract contingency is listed on the Quote Form. Quoter shall enter the dollar amount for contract contingency based on the percentage of the total base quote. The total contract award will include contract contingency.

Appropriate uses of contract contingency include increases to existing quote item quantities that do not change the initial scope of Work, which may be directed by staff; modification items not originally quote which were unforeseen yet necessary during the Work to provide a safe, complete Project and that do not change the initial scope of Work; and unanticipated conflicts and/or design changes required during construction which are necessary to provide a safe, complete Project and that do not change the initial scope of Work.

Inappropriate uses of contract contingency include anything that changes the initial scope of Work, including the Contract Sum and Contract Time, and adding quoted items not previously contemplated that change the initial scope of Work.

END OF SECTION B

SPECIAL PROVISIONS

Table of Contents

SECTION	PAGE
GENERAL.....	1
STANDARD SPECIFICATIONS.....	1
NO SEPARATE PAYMENT FOR SPECIAL PROVISIONS.....	1
MATERIALS.....	1
LABORATORY TESTING.....	2
MEASUREMENT AND PAYMENT.....	2
RESTORATION.....	3
COOPERATION WITH OTHERS.....	3
PRIORITY.....	3
SITE INVESTIGATION.....	3
PROJECT IDENTIFICATION SIGNS.....	4
SPECIAL TERMS AND CONDITIONS.....	5
DEWATERING, SHEETING AND BRACING.....	6
MAINTENANCE OF TRAFFIC.....	6
MAINTENANCE OF TRAFFIC PLAN.....	6
MAINTENANCE OF STORM DRAINAGE SYSTEM.....	6
SIDEWALKS TO REMAIN OPEN.....	7
DUST CONTROL.....	7
UNDERGROUND UTILITY LOCATIONS.....	7
UTILITY COORDINATION.....	7
UTILITY CONFLICTS.....	8
DAILY CLEAN-UP REQUIREMENTS.....	8
MAINTENANCE AND RESTORATION OF JOB SITE.....	8
NOTICE AND SERVICE THEREOF.....	8
REQUIREMENTS FOR CONTROL OF THE WORK.....	9
PROJECT SCHEDULE.....	9
USE OF PRIVATE PROPERTY.....	10
CONSTRUCTION PHOTOGRAPHY.....	10
POST-CONSTRUCTION STORM PIPE TESTING.....	12
CONTRACTOR TO EXECUTE NPDES "NOTICE OF INTENT".....	12
WORKSITE TRAFFIC SUPERVISOR.....	12
CONTRACTOR'S SUPERVISION.....	13
LIST OF EMERGENCY CONTACT NUMBERS & UTILITY SERVICE MAINTENANCE... 13	
EXISTING SIDEWALK.....	13
PEDESTRIAN ACCESS.....	14
RECORD DRAWINGS AND PROJECT CERTIFICATION.....	14
COMPLIANCE WITH THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD) STORMWATER MANAGEMENT AND DISCHARGE PERMIT REQUIREMENTS AND/OR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) DREDGE AND FILL PERMIT REQUIREMENTS.....	15
MATERIAL TESTING TABLE.....	16

CRUSHED CONCRETE BASE	17
CLARIFICATION OF SPECIFIC LINE ITEMS.....	18
CONTINGENCY FUNDS	19
JOINT USE POLE.....	19
SHOP DRAWING SUBMITTAL COVER SHEET.....	20

SPECIAL PROVISIONS

GENERAL

This Section amends enhances or otherwise revises the Technical Specifications.

STANDARD SPECIFICATIONS

The standard Specifications to be used for this work shall be Division II and III the Florida Department of Transportation (FDOT) *Standard Specifications for Road and Bridge Construction*, 2014 Edition and all Supplemental Specifications thereto, hereinafter referred to as the *Standard Specifications*, for roadway construction, except as amended under this Contract.

The Contractor's work shall follow the Manatee County Public Works Utility Standards and Specifications (2009) for the water main work.

These specifications cover the usual construction requirements for work specified by the County Transportation Department; however, in the event it is determined that the specific work to be done is of such a nature that the method of construction, type and/or kind of material is not defined by the *Standard Specifications*, such work shall be performed in accordance with the Special Provisions.

The apparent silence of the Specifications as to any detail or the apparent omission from them of a detailed description concerning any work to be done and materials to be furnished shall be regarded as meaning that only the best general practice is to prevail and that only material and workmanship of the best quality is to be used. Interpretation of these specifications shall be made upon that basis.

NO SEPARATE PAYMENT FOR SPECIAL PROVISIONS

No separate payment will be made for the Contractor to execute Special Provisions. All expenses borne by the Contractor shall be included in the individual unit prices for the particular pay item.

MATERIALS

- a. **Delivery Tickets:** It will be necessary to submit a copy of all delivery tickets for materials used on the project, regardless of the basis of payment.
- b. **Job Mix Formula for Asphaltic Concrete:** Attention is directed to the requirement that job mix formulas for asphaltic concrete, of the type specified, be submitted at least 14 days before plant operations begin. The submitted formula should be derived, or approved, by the laboratory approved by the Owner to make test on the Project. Costs for such job mix formulation will be paid by the Contractor directly to the assigned laboratory.

- c. **Job Mix Formula for Portland Cement Concrete:** Attention is directed to the requirement that job mix design formulas for all Portland Cement Concrete, of the type specified, be submitted at least 14 days prior to use on the project. The submitted formulas shall be derived or approved by the Owner and/or its agents. All concrete mix designs shall meet FDOT Concrete Class mix guidelines, except as follows: when approved, in writing by the Engineer, an Alternate Class I Concrete mix design formula, for concrete curb and gutter to be placed by automated curb machines, may show, as a substitution for #57 aggregate, an amount of #89 aggregate not to exceed 33 percent, by weight, of the #57 aggregate.

LABORATORY TESTING

Testing for the Work shall be performed at no expense to the Contractor. However, any test that fails or is not performed, as a result of the Contractor's action will, in turn, be back-charged to the Contractor, including the cost of all re-testing due to defective materials or construction. The testing laboratory shall be approved by the Owner.

The samples and tests used for determining the quality and acceptability of the materials and workmanship, which have been or are to be incorporated in the Work, shall conform to the requirements of the State of Florida Department of Transportation Materials Sampling, Testing and Reporting Guide, latest edition.

Testing shall also be in accordance with the applicable portions of Section 6 of the *Standard Specifications* and these specifications.

MEASUREMENT AND PAYMENT

- a. All work completed under the terms of this contract shall be measured according to United States Standard Measures.
- b. All measurements shall be taken horizontally or vertically unless specifically provided otherwise.
- c. No payment will be made for construction over a greater area than authorized, nor for material moved from outside of stakes and data shown on the plans, except when such work is performed upon instructions of the Engineer.
- d. The Contractor shall accept compensation provided under the terms of this contract as full payment for furnishing all materials and for performing all work contemplated and embraced under this contract. Such compensation shall also be for any and all loss or damage arising out of the nature of the work or from the action of the elements, or from any unforeseen difficulties or obstructions encountered during the contract period until final acceptance by the Owner.
- e. Whenever any change, or combination of changes, on the plans results in an increase or decrease in the original contract quantities, and the work added or decreased/eliminated is of the same general character as that called for on the plans, the Contractor shall accept

payment in full at the original contract unit prices for the actual quantity of work performed, with no allowance for any loss of anticipated profits.

- f. It is the Contractor's responsibility to perform a detailed quantity take-off from the plans to determine actual quantities for ordering and delivery purposes. The Owner will not be responsible for quantities ordered in excess of those installed and constructed. The Contractor should be aware that some of the pay items may have contingency quantities. Payment shall be made only for final in-place quantities.

No payment shall be made for contingency quantities or additional work unless otherwise directed and approved in writing by the Engineer.

- g. Bid Schedule Completion - the blank spaces in the bid schedule shall be filled in correctly where indicated for each and every item for which a description is given, as the bidder must state the unit prices for which he proposes to do each part of the work contemplated, and the total price for all the parts included in any or all of the combinations of the work. In case of a discrepancy, the written words for "unit price", where stated, shall be considered as being the unit price. If the bid schedule does not use the written words for the unit price, then the numerically correct "total price", shall be considered as being the total price.

RESTORATION

Payment for restoration shall be covered under the applicable restoration Pay Items as specified in the proposal. If a specific restoration Pay Item is not listed in the proposal, the cost of such work shall be included in the applicable Pay Item unless otherwise provided under separate restoration section or pay quantity of these Specifications.

COOPERATION WITH OTHERS

The Contractor shall cooperate with the owners of any underground or overhead utility lines in their removal and rearrangement operations, in order that these operations may progress in a reasonable manner and that service rendered by these parties will not be interrupted. The Owner shall not be responsible for costs associated with delays, disruptions and remobilizations attributed to utility agency scheduling.

PRIORITY

In any instance where there is an apparent conflict between these technical specifications special provisions and the corresponding terms of the "Standard Specifications", these special provisions followed by these technical specifications shall be controlling.

SITE INVESTIGATION

The Contractor acknowledges that he has satisfied himself as to the nature and location of the work; the general and local conditions, including but not restricted to those bearing upon transportation, disposal, handling and storage of materials; availability of labor, water, electric power, roads; and uncertainties of weather, water stages, tides or similar physical conditions at

the site; the conformation and conditions of the ground; the character of equipment and facilities needed preliminary to and during prosecution of the work.

The Contractor further acknowledges that he has satisfied himself as to the character, quality and quantity of surface and subsurface materials or obstacles to be encountered, insofar as this information presented by the drawings and Specifications made a part of this contract.

The Contractor shall carefully review and adhere to conditions and recommendations made in the project geotechnical report.

Any failure by the Contractor to acquaint himself with the available information will not relieve him from responsibility for estimating properly the difficulty or cost of successfully performing the work.

The Owner assumes no responsibility for any conclusions or interpretations made by the Contractor on the basis of the information made available by the Owner. The Owner also assumes no responsibility for any understanding or representations made by its officers or agents during or prior to the execution of this Contract, unless (1) such understanding or interpretations are made in writing by the Engineer or are expressly stated in the Contract and (2) the Contract expressly provides that the responsibility therefore is assumed by the Owner.

PROJECT IDENTIFICATION SIGNS

The Contractor shall be responsible for furnishing, installing and maintaining one (1) County project identification sign and removal of same upon completion of the construction. Project identification sign shall be constructed and maintained at the project site as directed by the Owner. The Contractor shall erect, maintain and relocate the sign as directed for the duration of the Project.

The Contractor shall mount the sign using 4-inch pressure treated lumber or as approved by the Engineer, and other supports as required, at a location mutually agreed by the Engineer and the Contractor.

The identification sign shall not be less than 32 square feet in area. The Contractor shall coordinate with the Owner for the sign verbiage before fabrication. The sign shall be painted with graphic content to include:

- Title of Project
- Name of Owner
- Names and Titles of authorities, as directed by Owner
- Prime Contractor
- Construction Cost

The sign shall be erected prior to commencement of work at a lighted location of high public visibility, adjacent to the main entrance at each end of the project, as approved by the Engineer and Owner.

The sign shall be a minimum of 8 feet wide and 4 feet high. The sign shall be constructed of high density ¾-inch exterior plywood without waves or buckles, mounted and braced with pressure treated lumber as necessary and maintained in a presentable condition for the duration of the project. Hardware shall be galvanized. The surface of the sign shall be of exterior softwood plywood with medium density overlay.

Painting shall be constructed with materials to resist weathering and fading during the construction period. Experienced professionals shall perform painting. Graphic design and style shall be in accordance with the following:

- The sign will be placed in accordance with Manatee County Development Code, Ordinance 90-01, Section 724, Signs and Section 713, Visibility Triangles.

Payment for installing and maintaining the project identification sign shall be included as part of the lump sum quantity under Pay Item Number 1 (101-1) for Mobilization. The sign will remain the property of the Owner upon completion of the Project unless otherwise directed.

SPECIAL TERMS AND CONDITIONS

Soil Erosion and Siltation

The Contractor shall plan and control the Work to minimize all soil erosion and the siltation of drains and canals resulting from such erosion.

At the pre-construction meeting, the Contractor shall present his proposed plan and schedule, which shall specifically indicate the proposed use of temporary erosion control features. The plan shall include all items necessary to control sediment from leaving the site. The contractor shall reference the **State of Florida Erosion and Sediment Control Designer and Reviewer Manual**, latest edition, prepared for the **Florida Department of Transportation & Florida Department of Environmental Protection**. This document can be found on the FDOT Publications website.

Shop Drawings

The Contractor shall submit to the Engineer for approval, all working drawings and shop drawings with descriptive specifications and engineering calculations necessary for the successful completion of the Work.

The working and shop drawings shall be certified by a Florida licensed Professional Engineer and state that the design is sufficient for the successful completion of the Work. The working drawings and shop drawings shall include, but not be limited to:

- Traffic Control Plan
- Erosion Control Plan
- Shop Drawings listed in the Plans

Temporary Pavement

Temporary pavement shall consist of a minimum of Optional Base Group 04 and one (1) inch of Type SP structural course (Traffic C) over a firm, unyielding, well-compacted subgrade. The Contractor shall immediately repair all potholes that develop within the project limits and shall maintain a supply of cold mix on the project site to expedite these repairs.

Payment for the temporary pavement and maintenance of this pavement shall be included under the optional base and Type SP structural course pay item.

DEWATERING, SHEETING AND BRACING

Payment for dewatering, sheeting and bracing shall be included in the applicable pay items unless separate pay items are specified.

Approval of Dewatering Plan:

At least 10 days prior to the commencement of any dewatering activity, the Contractor shall submit to the Project Manager for record purposes only, a detailed description of the proposed dewatering system. This plan shall include design computations, layout, type, and spacing of dewatering devices, number and size of pumps and other equipment, with a description of the installation and operating procedures.

MAINTENANCE OF TRAFFIC

The Contractor shall provide access to businesses and local residents at all times. Business Entrance signs per FDOT Index 17355 (FTP-59) shall be placed at all business entrance points and maintained during all phases of construction. Payment for these items shall be included under the pay item for Maintenance of Traffic.

MAINTENANCE OF TRAFFIC PLAN

The Contractor shall prepare a Maintenance of Traffic plan and submit it to the Engineer and the Project Manager for review prior to implementation. It must comply with all FDOT safety criteria, FDOT Design Standards 600 Series Indexes, FHWA and MUTCD standards, and allow for traffic to operate in daytime or nighttime. The Maintenance of Traffic plan will require the seal of a licensed professional engineer with a current FDOT Advanced Work Zone certification. No road closures will be allowed without approval from the Engineer.

MAINTENANCE OF STORM DRAINAGE SYSTEM

The Contractor shall be responsible at all times to maintain the operation of existing stormwater facilities, or, when existing stormwater facilities are removed, to provide equivalent capacity alternate forms of stormwater removal adequate to prevent upstream flooding in excess of existing conditions. This responsibility shall include the installation of temporary connections, bypass pumping, or other temporary means necessary until the new drainage system is fully operational. Payment for these items shall be included under the applicable pay item.

SIDEWALKS TO REMAIN OPEN

Existing sidewalks and proposed sidewalks completed during construction shall remain open at all times unless approved otherwise by the Engineer. Temporary sidewalk shall be constructed as shown in the plans or as required to maintain pedestrian movement. Payment for these items shall be included under the lump sum pay item for Maintenance of Traffic.

DUST CONTROL

The Contractor shall control dust resulting from construction operations at all times. The locations and frequencies of applications shall be as directed by the Engineer. Dust control is required to be in accordance with the FDOT *Standard Specifications* Section 102-5. Payment for Dust Control shall be made under Mobilization unless separate pay item for Dust Control is specified.

UNDERGROUND UTILITY LOCATIONS

The Contractor shall field verify by means of subsurface locating or other approved method all existing utilities to remain and conditions as may be required for the work area. This shall include all areas of potential conflicts with proposed storm, sanitary, force main and water main. The Contractor shall locate all existing utilities to remain at potential conflict locations prior to construction activities and before ordering any proposed structures. The Contractor shall contact and coordinate with "Sunshine" as well the individual utilities prior to and during construction for utility locations, relocation and assistance while installing in potential conflict areas. All utility coordination and relocations shall be factored into the Contractor's construction schedule at no additional cost to the Owner.

The cost of all labor, materials and incidentals required for the performance of any survey and utility location work shall be included under the pay item for Mobilization. A Florida registered land surveyor shall perform all survey work.

UTILITY COORDINATION

The Contractor shall be responsible for coordination of the work with all affected utility owners. The Contractor must take into consideration the required utility adjustments and relocations in development of his schedule for completing the work including construction of temporary work to allow phased construction of the permanent facilities.

The Contractor shall coordinate and schedule utility relocations and/or adjustments with the utility owners along the project in order to avoid delays. The work includes remobilization if required after utility relocation is complete. The intent is to coordinate utility construction activities so the project construction continues and is not stopped or delayed at any time due to utility work being done. Once Notice to Proceed is issued, the Contractor shall contact the affected utilities to discuss the Contractor's anticipated means and methods so temporary and permanent relocation plans can be implemented as needed to meet OSHA safety requirements.

Payment for Utility Coordination shall be included under the lump sum Bid Item Number 3, Utility Coordination.

UTILITY CONFLICTS

It shall be the Contractor's responsibility to avoid conflicts with other utilities. The Owner will not be responsible for additional costs incurred by the Contractor for incorrect installations, relocations and breaks due to service conflicts.

DAILY CLEAN-UP REQUIREMENTS

The Contractor shall clean up the job site at the end of each workday. Clean up will include the elimination of rubble and waste material on public and private property. Driveways shall remain accessible by residents. Each Friday, the Contractor shall prepare the road surface and barricades in an acceptable manner for weekend traffic use.

MAINTENANCE AND RESTORATION OF JOB SITE

The Contractor shall conduct his operations in such a manner as will result in a minimum of inconvenience to occupants of adjacent homes and business establishments and shall provide temporary access as directed or as may be required by the Project Manager. All final restoration must be performed to an equal or better condition than that which existed prior to construction.

Good housekeeping on this project is extremely important and the Contractor will be responsible for keeping the construction site neat and clean, with debris being removed daily as the work progresses or as otherwise directed by the Project Manager. Good housekeeping at the job site shall include: Removing all tools and temporary structures, dirt, rubbish, etc.; hauling all excess dirt, rock, etc., from excavations to a dump provided by the Contractor; and all clean up shall be accomplished to the satisfaction of the Project Manager. Dust will be controlled daily as may be required. Immediately after construction completion in an area or part thereof (including restoration), barricades, construction equipment and surplus and discarded materials shall be removed by the Contractor.

In the event that the timely clean up and restoration of the job site is not accomplished to the satisfaction of the Project Manager, the Project Manager shall make arrangements to affect the necessary clean up by others. The Contractor shall be charged for these costs through deductions in payment due the contractor. If such action becomes necessary on the part of and in the opinion of the Project Manager, the Owner shall not be responsible for the inadvertent removal from the work site of materials which the Contractor would not normally have disposed of had he affected the required clean up.

NOTICE AND SERVICE THEREOF

All notices, which shall include demands, instructions, requests, approvals, and claims shall be in writing. Any notice to or demand upon the Contractor shall be sufficiently given if delivered to the office of the Contractor specified in the bid (or to such other office as the Contractor may, from time to time, designate to the Owner in writing), or if deposited in the United States mail in

a sealed, postage prepaid envelope, or delivered, with charges prepaid, sent via fax transmission, or to any telegraph company for transmission, in each case addressed to such office.

All notices required to be hand delivered to the Owner, unless otherwise specified in writing to the Contractor, shall be delivered to the Project Manager, and any notice to or demand upon the Owner shall be sufficiently given as delivered to the office of the Project Manager, or if deposited in the United States mail in a sealed, postage prepaid envelope, sent via fax transmission, or delivered with charges prepaid to any telegraph company for transmission, in each case addressed to said Project Manager or to such other representative of the Owner or to such other address as the Owner may subsequently specify in writing to the Contractor for such purposes.

Any such notice or demand shall be deemed to have been given or made as of the time of actual delivery or (in the case of mailing) when the same should have been received in due course of post or in the case of a fax transmission or telegram at the time of actual receipt, as the case may be.

REQUIREMENTS FOR CONTROL OF THE WORK

Prior to the start of the Work described in this contract, a pre-construction conference may be held by the Project Manager to be attended by the Contractor and representatives of the various utilities and others as required, for the purpose of establishing a schedule of operations which will coordinate the work to be done under this contract with all related work to be done by others within the limits of the project.

All items of work in this contract shall be coordinated so that progress of each related item will be continuous from week to week. The progress of the work will be reviewed by the Project Manager at the end of each week, and if the progress of any item of work during that week is found to be unsatisfactory, the Contractor shall be required to adjust the rate of progress on that item or other items as directed by the Project Manager without additional compensation. The Contractor will continuously control the work until completed.

PROJECT SCHEDULE

The Contractor shall submit a detailed construction bar chart schedule within 15 days of the notification of award or its intent for the County to review. The submittal shall meet the following requirements:

- Schedule will be submitted on 11-inch by 17-inch paper.
- The time scale (horizontal) shall be in weeks. The activities shall be listed on the left hand side (vertical).
- Activities shall show most Work activities. The listing from top to bottom shall be in a logical sequence of how the Work will be accomplished. Space shall be provided between activities or within bars to allow for marking of actual progress.

A copy of the schedule, clearly showing progress made, shall be submitted on a monthly basis during the progress of the work. Review or acceptance will neither impose on the County responsibility for the progress or scheduling of the Work, nor relieve the Contractor from full responsibility therefore.

The Contractor shall provide a revised Work schedule if, at any time, the County considers the completion date to be in jeopardy because of "activities behind schedule". An activity that cannot be completed by its original or latest completion date shall be deemed to be behind schedule. The revised Work schedule is designed to show how the Contractor intends to accomplish the Work to meet the contractual completion date. The form and method employed by the Contractor shall be the same as for the original Work schedule.

The cost to prepare and revise the schedule is considered incidental to the Work.

USE OF PRIVATE PROPERTY

All construction activities required to complete this project in accordance with the Contract Documents shall be confined to public right-of-way, easements of record or temporary construction easements, unless the Contractor makes specific arrangements with private property owners for his use of their property. Written authorization from the granting property owner shall be placed on file with the Project Manager prior to utilization of said private properties. The Owner assumes no responsibility for damage to private property in such instances. The Contractor is responsible for protection of private property abutting all work areas on this project. Adequate equipment storage and material storage shall also be accomplished outside the Owner's right-of-way. Pipe and other materials shall not be strung out along the right-of-way, but will be delivered in quantities adequate for one day's installation. The Owner will coordinate with the Contractor to identify possible storage sites.

CONSTRUCTION PHOTOGRAPHY

General

The Contractor shall employ a competent photographer to take construction record photographs and perform videotaping, including providing all labor, materials, equipment and incidentals necessary to obtain photographs and/or videotapes of all areas specified in the Contract specifications.

The word "Photograph" includes standard photographic methods involving negatives, prints and slides and it also includes digital photographic methods involving computer technology items such as diskettes and CD-ROMs.

Qualifications

A competent camera operator who is fully experienced and qualified with the specified equipment shall do all photography.

For the videotape recording, the audio portion should be done by a person qualified and knowledgeable in the specifics of the Contract, who shall speak with clarity and diction so as to be easily understood.

Project Photographs

Provide photographs of the entire work area prior to any construction for the purpose of records of conditions prior to construction. Photographs should be spaced at approximately 100-foot intervals. In addition, all special features shall be photographed prior to construction.

Provide three prints of each standard photograph to the Owner. In addition to the CD-ROM media, provide one print of each digital/digitized photograph to the Owner.

The Contractor shall pay all costs associated with the required photography and prints. Any parties requiring additional photography or prints will pay the photographer directly.

All project photographs shall be a single weight, color image. All finishes shall be smooth surface and glossy, and all prints shall be 8 inches by 10 inches.

Each print shall have clearly marked on the back the name of the project, the orientation of view, the date and time of exposure, name and address of photographer and the photographers numbered identification of exposure.

All project photographs shall be taken from locations to adequately illustrate conditions prior to construction, or conditions of construction and state of progress. The Contractor shall consult with the Owner at each period of photography for instructions concerning views required.

The Contractor shall deliver prints in conformance with the above requirements to the Owner. No construction shall begin until pre-construction photographs are completed and submitted to the Owner.

Negatives

The Contractor shall require that photographer maintain negatives for a period of two years from date of Substantial Completion of the Project. Negatives shall be conveyed to Owner at the end of the two-year period.

Photographer shall agree to furnish additional prints to Owner at commercial rates applicable at the time of purchase. Photographer shall also agree to participate as required in any litigation requiring the photographer as expert witness.

Videotape Recording

Videotaping may be used in lieu of construction photographs.

Videotaping shall be accomplished along all routes that are scheduled for construction.

The taping shall, when viewed, depict an image with $\frac{1}{4}$ of the image being the roadway fronting of property and $\frac{3}{4}$ of the image being of the property. The taping shall be done so as to show the roadway and property in an oblique view (30 degrees).

A complete view, in sufficient detail, of all driveways, with audio description of the exact location shall be provided.

The Engineering plans shall be used as a reference for stationing in the audio portion of the tapes for easy location identifications. If visible, house numbers shall be mentioned on the audio.

Two complete sets of videotapes shall be delivered to the Owner for the permanent and exclusive use of the Owner prior to the start of any construction on the project.

All videotapes shall contain the name of the project, the date and time of the videotaping, the name and address of the photographer and any other identifying information required.

Payment for this item shall be included under the pay item for Mobilization.

POST-CONSTRUCTION STORM PIPE TESTING

The Contractor shall inspect and televise all newly constructed storm pipes on the project. The purpose is to assure the pipes are properly constructed and do not leak at the joints. Payment for this item shall be included under the pay item for Mobilization.

CONTRACTOR TO EXECUTE NPDES "NOTICE OF INTENT"

Prior to proceeding with construction, the Contractor shall prepare and submit a "Notice of Intent to Use Generic Permit for Stormwater Discharge from Construction Activities that Disturb One or More Acres of Land" to the Florida Department of Environmental Protection (FDEP). The Contractor shall monitor the site at all times and take appropriate action to prevent erosion including the use of BMPs. No pumping of ground or surface water shall be performed without approval from the Water Management District. Following completion of construction, Contractor shall prepare and submit a "Notice of Termination of Generic Permit Coverage" to FDEP. Payment for this item shall be included under the pay item for Mobilization.

WORKSITE TRAFFIC SUPERVISOR

- a. The Contractor shall have a Worksite Traffic Supervisor who will be responsible for initiating, installing and maintaining all traffic control devices as described in Section 102 of the *FDOT Standard Specifications for Road and Bridge Construction* and in the Plans. The Worksite Traffic Supervisor shall have at least one year of experience directly related to work site traffic control in a supervisory or responsible capacity and shall be certified by the American Traffic Safety Services Association Worksite Traffic Supervisor Certification Program or an equal approved by FDOT. Approved alternate Worksite Traffic Supervisors may be used when necessary.
- b. The Worksite Traffic Supervisor shall be available on a 24-hour per day basis and shall review the project on a day-to-day basis as well as being involved in all changes to traffic control. The Worksite Traffic Supervisor shall have access to all equipment and materials needed to maintain traffic control and handle traffic related situations. The Worksite Traffic Supervisor shall ensure that routine deficiencies are corrected within a 24-hour period.
- c. The Worksite Traffic Supervisor shall be available on the site within 45 minutes after notification of an emergency situation, prepared to positively respond to repair the work zone traffic control or to provide alternate traffic arrangements.

- d. Failure of the Worksite Traffic Supervisor to comply with the provisions of the Sub-article may be grounds for decertification or removal from the project or both. Failure to maintain a designated Worksite Traffic Supervisor or failure to comply with these provisions will result in temporary suspension of all activities except traffic and erosion control and such other activities deemed to be necessary for project maintenance.
- e. Payment for Worksite Traffic Supervisor shall be included under the pay item for Maintenance of Traffic.

CONTRACTOR'S SUPERVISION

- a. **Prosecution of Work:** The Contractor shall give the work the constant attention necessary to assure the scheduled progress. He shall cooperate fully with the Engineer and with other Contractors at work in the vicinity.
- b. **Contractor's Superintendent:** The Contractor shall at all times have on the work site as his agent, a competent superintendent capable of thoroughly interpreting the plans and specifications and thoroughly experienced in the type of work being performed, who shall receive the instructions from the Engineer or his authorized representatives. The superintendent shall have full authority to execute the orders or directions of the Engineer and to supply promptly any materials, tools, equipment, labor and incidentals that may be required. Such superintendence shall be furnished regardless of the amount of work sublet.
- c. The Contractor's superintendent shall speak and understand English, and at least one responsible person who speaks and understands English shall be on the project during all working hours.
- d. **Supervision for Emergencies:** The Contractor shall have a responsible person available at or reasonably near the work site on a 24-hour basis, 7 days a week, in order that he may be contacted for emergencies and in cases where immediate action must be taken to maintain traffic or to handle any other problem that may arise. The Contractor's responsible person for supervision for emergencies shall speak and understand English. The Contractor shall submit, by certified mail, phone numbers and names of personnel designated to be contacted in cases of emergencies along with a description of the project location to the Florida Highway Patrol and all other local law enforcement agencies.

LIST OF EMERGENCY CONTACT NUMBERS & UTILITY SERVICE MAINTENANCE

The Contractor shall obtain and maintain a list of emergency contact phone numbers for all utilities during the course of the project. The Contractor shall maintain utility service during the project except for interruptions authorized by the utility owner. If interruptions are required, the Contractor shall notify the Owner 48 hours in advance.

EXISTING SIDEWALK

If the Contractor, in the process of performing his contract operations, breaks any of the existing sidewalk that is to remain in place, replacement of this sidewalk will be at the Contractor's expense.

PEDESTRIAN ACCESS

The Contractor shall provide access and make provisions to maintain school zones during construction. The Contractor is to facilitate pedestrian traffic whether for school or public transportation.

RECORD DRAWINGS AND PROJECT CERTIFICATION

This section and number of copies applies only to roadway and drainage record drawings.

The Owner and/or Engineer will furnish the Contractor copies of the bid plans to be used for the record drawings. A Florida Registered Surveyor shall perform a field survey and any differences between the plan elevations or dimensions shall be marked through and the as-built elevation or dimension legibly entered. All elevations and dimensions that are correct shall have a check mark placed beside it.

The Contractor shall keep a complete set of surveyed "As-built" records. These records shall show all items of Work and existing features of utilities revealed by excavation work. The records shall be kept in a professional manner, in a form that shall be approved by the County prior to the Work. These results shall be available at all times during construction for reference by the Engineer and shall be delivered to the Engineer upon completion of the Work. All completed "As-builts" must be certified by a Florida Licensed Surveyor or Engineer per Chapter 61 G 17-6, Florida Administrative Code, pursuant to Sec. 47207, Florida Statutes. At a minimum all Utility Record Drawings shall be in accordance with Manatee County Standards.

The following information is required on the "Record Drawings":

- A. Roadway centerline profile [100-foot maximum interval].
- B. Roadway cross sections [100-foot maximum interval].
- C. All underground piping with elevations and dimensions, changes to piping locations, horizontal and vertical locations of underground utilities and appurtenances referenced to permanent surface improvements. Actual installed pipe material, class, etc. Dimensions at these locations shall indicate distance from the centerline of construction.
- D. Elevations on all drainage control structures, verifying all plan dimensions.
- E. Stormwater ponds with cross sections [25-foot maximum interval] (sufficient to calculate volumes).
- F. Flow line elevations on all ditch breaks (vertical and horizontal).
- G. Field changes of dimensions and details.
- H. Details not on original contract drawings.
- I. Equipment and piping relocations.
- J. The locations of all headwalls, pipes and any other structures shall be located by station and offset.
- K. Benchmarks and elevation datum shall be indicated.
- L. Additional elevations or dimensions as required by the Engineer

Following completion of construction and prior to final payment, the Contractor shall submit a Certification by the Contractor and Manufacturer including test data that the materials (filter fabric, filter media, etc.) installed meet plan specifications and regulatory requirements.

Upon completion of the work, four (4) sets of draft "Record Drawings" shall be submitted to the Owner for review. Such drawings shall accurately show all approved field changes to the original Construction Drawings, including actual locations, dimensions and elevations and shall be subject to a field review in the presence of the Engineer or his designated representative. The drawings are to be prepared by competent personnel, neatly drafted and certified, signed and sealed by a Florida Registered Surveyor.

The Contractor shall incorporate any comments from the Owner and/or Engineer and shall submit two write-only CD-ROMs, one set of 24-inch by 36-inch mylar record drawings and four sets of 24-inch by 36-inch certified prints with the Surveyor's certification.

All Digital Drawings shall be identical to those submitted as hard copy. The Digital Drawing files shall be AutoCAD format (Release 2004 or later) and shall include all external reference drawings, text fonts, shape files and all other files necessary to make use of the drawings.

In addition, \$25,000 or five percent (whichever is smaller) of the Contract price shall be retained until the Owner has approved the "Record Drawings". The Owner and/or Engineer will review and approve the "Record Drawings" within 30 days unless additional information is required. No final payment shall be made until such time as the "Record Drawings" have been approved and accepted.

COMPLIANCE WITH THE SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT (SWFWMD) STORMWATER MANAGEMENT AND DISCHARGE PERMIT REQUIREMENTS AND/OR THE DEPARTMENT OF ENVIRONMENTAL PROTECTION (DEP) DREDGE AND FILL PERMIT REQUIREMENTS

Southwest Florida Water Management District Stormwater Management and Discharge permits or exemptions, if any, and/or a Department of Environmental Protection Dredge and Fill permit, if any, required for this project have been obtained by the Owner. The Contractor shall comply with the stipulations of the Permits or Exemptions as stated herein.

The Contractor shall allow periodic inspection of the work by authorized representatives of the Department of Environmental Protection, the Southwest Florida Water Management District, as well as other duly authorized law enforcement officers of the State.

MATERIAL TESTING TABLE

ITEM	TEST	TEST IDENTIFICATION	TEST REQUIREMENTS VERTICAL	TEST FREQUENCY HORIZONTAL
UTILITY TRENCH BACKFILL	MAXIMUM DENSITY OPTIMUM MOISTURE	AASHTO T-180	N/A	PER SOIL CLASSIFICATION/ PER LABORATORY ONE PER 200 LF
	FIELD DENSITY	AASHTO T-310	PER PLANS	
SUBGRADE UNCLEAR NEW CURB	MAXIMUM DENSITY OPTIMUM MOISTURE	AASHTO T-180	N/A	PER SOIL CLASSIFICATION/ PER LABORATORY ONE PER 200 LF
	FIELD DENSITY	AASHTO T-310	PER PLANS	
LIMEROCK/ SHELL BASE	MAXIMUM DENSITY OPTIMUM MOISTURE	AASHTO T-180	N/A	PER SOIL CLASSIFICATION/ PER LABORATORY ONE PER 200 LF
	FIELD DENSITY	AASHTO T-310	PER PLANS	
SOIL CEMENT BASE	SOIL CEMENT PLACEMENT/ MONITORING DENSITIES THICKNESS DETERMINATIONS	AASHTO T-134 AND AASHTO T-135	PER PLANS	ONE PER 200 LF
CONCRETE	COMPRESSIVE STRENGTH (THREE CYLINDERS/TEST)	AASHTO T-22	PER SPECS	PER SPECS/MIN. OF ONE SET/DAY FOR POURS BETWEEN 10 & 50 CY
	SLUMP, AIR CONTENT	AASHTO T-119 AND AASHTO T-152	PER SPECS	ADDITIONAL SET FOR EACH 50 CY DAILY OR 1 PER 50 CY MAX
ASPHALT	MATERIAL QUALITY GRADATION, STABILITY BITUMEN CONTENT	FLORIDA D.O.T.	PER SPECS	PER SPECS DAILY OR MORE THAN 500 TONS
RECYCLED CONCRETE BASE	GRADATION DENSITIES THICKNESS DETERMINATIONS	AASHTO T-180 AASHTO T-27 AASHTO T-310	PER SPECS	PER SOIL CLASSIFICATION/ PER LABORATORY ONE PER 200 LF

CRUSHED CONCRETE BASE

Crushed Concrete Base shall follow FDOT Standard Specifications 2007 (rev 8-07) except that the Lime Rock Bearing Ratio (LBR) shall be minimum 150. The layer coefficient of 0.18 with LBR minimum 150 is allowed to calculate the base thickness.

Only FDOT certified piles are acceptable to this project. The producing process certified by FDOT without the actual pile certified is not considered solid enough for the acceptance of the material. The contract shall send the engineer the deliver tickets with FDOT certified pile number, pile location, project name and manufactory contact information shown.

Additional tests and pile inspections will be required for the quality control and the contractor will be responsible for the cost of the initial ten tests and any re-tests when needed. The material will be rejected by the County if the initial test fails. The rejected material shall be completely removed from the project site.

1) Regarding structural number on Crushed Concrete Base, Manatee County to approve SN 0.18 if following criteria is met and maintained:

- A) Limerock Bearing Ratio value of 150 or greater 10" compacted thickness in place.
- B) Gradation conforms to FDOT Specifications 2007 (rev 8-07).
- C) Deleterious materials conform to FDOT Specifications 2007 (rev 8-07).
- D) Delivery ticket indicates FDOT approved source, actual lot allocated to a particular project.
- E) Piles or lots to be inspected by Manatee County representative prior to acceptance.

2) Regarding Limerock Bearing Ratio value:

- A) No Limerock Bearing Ratio value less than 150, with no under tolerance.

3) Regarding source approval:

- A) FDOT approved source, allocated lot sufficient to serve project's needs, delivery tickets stating FDOT approved source, project name, FDOT pre-approved lot or pile number.

4) Regarding deleterious materials:

- A) Deleterious material content in addition to the FDOT Specifications 2007 (rev 8-07) should state that no construction debris such as Styrofoam insulation, telephone wire, lumber, shingles, aluminum window or door frames etc., or household trash ie: bottles, cans, paper goods etc. is acceptable.

5) Material source inspection:

A) Prior to acceptance of base product, a representative of Manatee County will visit the Producer's location and obtain a sample of the proposed base for the specified project. In addition to sampling, the pile will be visually inspected for deleterious materials, substantial segregation, or any other undesirable characteristics. The pile shall have a traceable identification by pile number or lot number and an accurate quality assessment.

6) Import and placement of base product:

A) During import of base product, a county inspector or duly designated representative of the county will be onsite monitoring incoming loads, making visual assessments of the product and checking load tickets for verification of materials.

7) Import and placement of base product:

A) After spreading out, prior to compacting, samples of the base product will be obtained by Manatee County approved testing lab, every 500 LF staggering right, left, center of the roadway for Limerock Bearing Ratio, gradation and deleterious material testing.

8) Rejection of materials:

A) Material not meeting above requirements will subject to rejection and be removed from the project site. Any three (3) concurrent rejections will require immediate shut down of imported material and require review and remedies prior to restart.

9) Compaction of material:

A) In place material should be a minimum of 10" in compacted thickness and achieve 98% of AASHTO T-180 compaction.

CLARIFICATION OF SPECIFIC LINE ITEMS

Clarification of the County's expectations of work to be performed as it relates to specific line items and/or item No. listed on the Bid Form is included in the FDOT Basis of Estimate Manual version 2014. Where such item number is not available, the description shows herein will prevail.

Line item #7, Clearing & Grubbing shall follow FDOT Specifications 2014, and shall also include the removal of existing trees and bushes, concrete structures, & riprap.

Line item #11, 1" Type S-I Asphalt Concrete, shall follow *FDOT Standard Specifications Road and Bridge Construction* 2000, section 331.

Line item #12, 1" S-III Asphalt Concrete, shall follow *FDOT Standard Specifications Road and Bridge Construction* 2000, section 337.

Line Item # 17, County Junction Box, shall follow shall follow Manatee County Highway, Traffic & Stormwater Standards 2007, section 202.

Line Item # 29, Fence Removal and Reinstall, shall follow FDOT Standard Specifications Road and Bridge Construction 2014, section 550. The contractor shall coordinate with the property owner for the new location of the fence.

CONTINGENCY FUNDS

Discretionary Work

The Discretionary Work pay item shall cover the cost for various contingencies and contract amendments authorized by the Owner. Any amount of extra work and/or alterations to the proposed Work charged to the allowance shall be fully documented and authorized by the Engineer before the start of the work. No payment shall be made for work completed without written authorization from the Owner or Engineer.

Method of Measurement and Basis of Payment

Payment for authorized work shall be per 7.3 of the general conditions.

JOINT USE POLE DESIGN

The contractor shall provide engineering services for county/FPL Joint Use Pole. The contractor shall coordinate with Manatee County for final approval. The contractor shall coordinate with FPL for the installation. All upper FPL holes shall be factory installed perpendicular to the load. All FPL hole locations to remain as shown on the plans. Catenary and messenger cable drilled holes locations and setting depth shall be determined by engineer.

Design subjections:

- The suggested initial pole design is FDOT Standard class VIII 60'.
- The length may vary depending upon needed.
- Design subject to change upon final engineering review.
- All holes to be 7/8" diameter
- Setting depth contingent on engineering calculations and a minimum of 3 ft separation shall be maintained between the FPL neutral and the traffic signal catenary cabl

Date: ____/____/____

Submittal No. _____

SHOP DRAWING SUBMITTAL COVER SHEET

(IFB) # [Insert IFB Number]

Project Name: [Insert Full Project Name]

Project File No.: [Insert Project Number]

Specification Title Number: [Insert Section No.]

Specification No.: Part [Insert Part

No.], [Insert Item No.]

Page(s): [Insert Page No.]

Submittal Description: [Insert Title, Description of Submittal and Use]

SHOP DRAWING REVIEW	
RESPONSE NOT REQUIRED	RESPONSE REQUIRED
<input type="checkbox"/> NO EXCEPTIONS TAKEN	<input type="checkbox"/> NOTE MARKINGS, CONFIRM
<input type="checkbox"/> NOTE MARKINGS	<input type="checkbox"/> NOTE MARKINGS, RESUBMIT
	<input type="checkbox"/> REJECTED, RESUBMIT

Engineer's review is for general conformance with the design concept and contract documents. Markings or comments shall not be construed as relieving the Contractor from compliance with the project drawings and specifications, nor departure therefrom. The Contractor remains responsible for details and accuracy, for confirming and correlating all quantities and dimensions, for selecting fabrication processes, for techniques of assembly, and for performing his work in a safe manner.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT

By: _____ Date: _____

Your Company Logo and/or information

[Contractor's Name]

[Contractor's Title]

[Company Name]

[Company Address]

[Office Number]

[Fax Number]

[email address]

[Approval Signature: _____]

[Approval Date: ____/____/____]

SECTION C

QUOTE SUMMARY

C.01 MINIMUM QUALIFICATIONS OF QUOTERS

No person who is not certified or registered as a General Contractor or an FDOT Pre-Qualified Contractor pursuant to Chapter 489, Florida Statutes, on the day the quote is submitted, and who has continuously held that certification or registration for a period of at least three (3) consecutive years immediately prior to the day the quote is submitted, may be qualified to quote on this Work. In the event that the quoter is a business organization, including a partnership, corporation, business trust or other legal entity as set forth in Section 489.119(2), Florida Statutes, then the quoter shall only be qualified to quote on this Work if: 1) the quoter (the business organization) is on the day the quote is submitted, and for at least three (3) consecutive years immediately prior to the day the quote is submitted has been, in continuous existence, properly licensed and registered as required by Florida law; and 2) the quoter, on the day the quote is submitted, has a certified or registered Qualifying Agent, as required by Section 489.119, Florida Statutes, and that Qualifying Agent has been the same Qualifying Agent of the quoter for a period of at least three (3) consecutive years immediately prior to the day the quote is submitted.

C.02 BASIS OF AWARD

Award shall be to the lowest, responsive, responsible quoter meeting specifications and having the lowest grand total award offer for the requirements listed on the Quote Form for the Work as set forth in this Request for Quotation. Quoted prices shall include costs for furnishing all labor, equipment and/or materials for the completion of the Work in accordance with and in the manner set forth and described in the Request for Quotation documents to Owner's satisfaction within the prescribed time.

Only one award shall be made.

NOTE: Inspection of the site is a pre-requisite to be considered for award of this quote.

In evaluating the quotes, Owner shall consider the qualifications of the quoter (s); and if required, may also consider the qualifications of the Subcontractors, suppliers, and other persons and organizations proposed. Owner may also consider the operating costs, maintenance requirements, performance data and guarantees of major items of materials and equipment proposed for incorporation in the Work.

Whenever two or more quotes are equal with respect to price, the quote received from a local business shall be given preference in award.

Whenever two or more quotes are equal with respect to price, and all other evaluative factors are otherwise equal, including local preference policies, if the company provides documented environmentally preferable "green" products, materials, or supplies, they shall be given preference in award.

Whenever two or more quotes which are equal with respect to price are received, and neither of these quotes are from a local business, and neither of these quotes provides documented "green" products, the award shall be determined by a chance drawing, coin toss, or similar tie-breaking method conducted by the Purchasing Division and open to the public.

END OF SECTION C




VICINITY MAP
N.T.S.

[illegible]

NO.	INDEX OF SHEETS
1.	COVER SHEET
2.	GENERAL NOTES & LEGEND
3.	QUANTITY SHEET
4.-7.	PLAN & PROFILE
8.	RESTORATION AREAS
9.-11.	DETAILS
12.	SURVEY CONTROL
13.	EROSION CONTROL

STORM & WATER IMPROVEMENTS
12th STREET EAST
COVER SHEET

REVISION DESCRIPTION		BY	DATE
NO.			
PROJECT #		5133970	
SURVEY #		14.061	
SEC./TWN./RGE		13/35/17	
SCALE		SEE PAGES	
	BY	DATE	
SURVEYED	MC	12/2013	
DESIGNED	JKP	06/2014	
DRAWN	JKP	08/2014	
CHECKED	LIS	08/2014	
JOHN K. PARI, P.E.			
FLORIDA P.E. # 56368			
 3/24/15 Signature & Date			
SHEET 01 OF 13			

COPYRIGHT 2010 MANATEE COUNTY GOVERNMENT S:\PMD-Engineering\Shore\Stormwater Engineering\12th St. E. Drain Improvements\DWG\12th St. E. Storm Improvements redesigned.dwg Notes & Legend, 3/9/2015 1:07 PM Bruce Robertson, 1:1, ANSI full bleed D (34.00 x 22.00 inches)

GENERAL

1. ALL CONSTRUCTION ACTIVITIES SHALL BE COORDINATED WITH THE PROJECT MANAGEMENT DIVISION. THE PROJECT MANAGER IS: MICHAEL STURM AND CAN BE REACHED AT (841) 708-7450; EXT. 7332
2. SITE VISITS ARE MANDATORY FOR ALL BIDDERS. THESE SITE VISITS CAN BE ARRANGED THROUGH THE PROJECT MANAGER.
3. ALL CONSTRUCTION ON THIS PROJECT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF MANATEE COUNTY UTILITY AND TRANSPORTATION STANDARDS AND/OR FOOT "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" UNLESS OTHERWISE INDICATED ON THE PLANS.
4. VERTICAL CONTROL FOR THIS PROJECT WAS ESTABLISHED BY A MINIMUM OF TWO REFERENCE BENCHMARKS DESCRIBED ON THE "THE NORTH AMERICAN VERTICAL DATUM OF 1988", (NAVD '88). TO CONVERT ELEVATIONS TO NAVD FROM NGVD, SUBTRACT 0.97 FT. NAVD ELEV. = NGVD ELEV. -0.97 FT.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MEETING ALL CONDITIONS AND REQUIREMENTS OF ALL PERMITS AND ALL GOVERNING FEDERAL, STATE, AND LOCAL AGENCIES. THE CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS THAT ARE NOT PROVIDED IN THE BID DOCUMENTS, AT NO ADDITIONAL COST TO THE OWNER.
6. THE INFORMATION PROVIDED IN THESE PLANS IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATION THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.
7. THE CONTRACTOR SHALL REVIEW AND VERIFY ALL DIMENSIONS ON THE PLANS AND REVIEW ALL FIELD CONDITIONS THAT MAY AFFECT CONSTRUCTION. SHOULD DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ENGINEER TO OBTAIN THE ENGINEER'S CLARIFICATION BEFORE COMMENCING WITH CONSTRUCTION.
8. AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION, THE CONTRACTOR SHALL CONTACT SUNSHINE STATE ONE CALL OF FLORIDA AT 1-800-432-4770 OR THE NATIONAL 811 ONE CALL NUMBER WHEN APPLICABLE FOR UTILITY LOCATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH ALL UTILITIES FOR THE POSSIBLE RELOCATION OR THE TEMPORARY MOVEMENT OF ANY EXISTING UTILITIES WITHIN THE RIGHTS-OF-WAY.
9. ALL STATIONS AND OFFSETS REFER TO THE BASELINE OF CONSTRUCTION.
10. THE CONSTRUCTION LENGTHS ARE IN THESE PLANS ARE APPROXIMATE. ACTUAL LIMITS MAY BE SET IN THE FIELD AS DIRECTED BY THE ENGINEER.
11. SEPARATE PAY SHALL BE MADE ONLY FOR THE ITEMS OF WORK LISTED AND IDENTIFIED BY APPROPRIATE PAY ITEM ON THE BID FORM. THE COST OF ANY RELATED WORK NOT SPECIFICALLY IDENTIFIED, BUT WHICH IS REQUIRED FOR SATISFACTORY COMPLETION OF THE WORK, SHALL BE CONSIDERED TO BE INCLUDED IN THE CONTRACT PRICE FOR THE APPROPRIATE BID ITEM.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COMPLETE COORDINATION OF CONSTRUCTION SCHEDULING BETWEEN CONTRACTOR AND ALL UTILITY AGENCIES.
13. ANY DAMAGE TO COUNTY ROADS CAUSED BY THE CONTRACTOR'S HAULING OR EXCAVATION EQUIPMENT SHALL BE REPAIRED BY THE CONTRACTOR TO THE SATISFACTION OF THE COUNTY PROJECT MANAGER. PAYMENT SHALL NOT BE MADE FOR THIS WORK.
14. NO WORK, EXCEPT FOR EMERGENCY TYPE, SHALL BE PERFORMED AFTER 7:00 PM AND BEFORE 7:00 AM. FOR ADDITIONAL PROJECT RESTRAINTS, REFER TO SECTION 01310 OF THE SPECIFICATIONS.

SAFETY

15. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COMPLIANCE WITH THE FLORIDA TRENCH SAFETY ACT, 90-96, LAWS OF FLORIDA EFFECTIVE OCTOBER 1, 1990 AND THE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION EXCAVATION SAFETY STANDARDS, 29 CFR 1926.650, SUBPART F, AS AMENDED. THE CONTRACTOR SHALL INCLUDE IN THE TOTAL BID PRICE ALL COSTS FOR COMPLIANCE WITH THESE REGULATIONS.
16. THE CONTRACTOR SHALL USE SHEET PILING, SHEETING, BRACING, ETC., AS REQUIRED IN ALL EXCAVATION AREAS AND CONFORM TO ALL OSHA REQUIREMENTS.
17. THE CONTRACTOR SHALL USE ALL NECESSARY SAFETY PRECAUTIONS TO AVOID CONTACT WITH OVERHEAD AND UNDERGROUND UTILITIES, POWER LINES, ETC.
18. THESE DRAWINGS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY. THIS EXCLUSION DOES NOT ALLEVIATE THE CONTRACTOR FOR PROVIDING A CONTINUOUS SAFE WORKSPACE.

ENVIRONMENTAL

19. WHEN A BENTONITE SPILL OR FRACK-OUT OCCURS OR THERE IS A LOSS OF RETURN INDICATING EXCESSIVE SEEPAGE OR LOSS OF DRILLING FLUID, DRILLING MUST BE STOPPED UNTIL THE LOCATION OF THE SPILL IS IDENTIFIED. UNDER NO CIRCUMSTANCES WILL DRILLING CONTINUE WHEN A SPILL IS APPARENT.
20. ONCE LOCATED, THE BENTONITE SPILL MUST BE ISOLATED AND SEEPAGE INTO ANY NEARBY WATER BODIES WILL BE BLOCKED DEPENDING ON THE DEGREE OF THE SPILL. THE ISOLATED BENTONITE MUST BE REMOVED MANUALLY OR MECHANICALLY AND DISPOSED OF BY APPROPRIATE MEANS OR REUSED.
21. THE CONTRACTOR SHALL PROVIDE AND INSTALL ALL NECESSARY STORM WATER, EROSION, AND SEDIMENTATION CONTROL MEASURES IN ACCORDANCE WITH THE FDEP "FLORIDA STORM WATER, EROSION AND SEDIMENTATION CONTROL INSPECTOR'S MANUAL". IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL AND PREVENT EROSION AND TRANSPORT OF SEDIMENT TO SURFACE DRAINS AND TO DITCHES DURING CONSTRUCTION.
22. STOCKPILES SHALL BE PROTECTED AT ALL TIMES BY ON-SITE DRAINAGE CONTROLS WHICH PREVENT EROSION OF THE STOCKPILED MATERIAL. CONTROL OF DUST FROM SUCH STOCKPILES IS REQUIRED. DEPENDING UPON THEIR LOCATION AND THE EXPECTED LENGTH OF TIME THE STOCKPILES WILL BE PRESENT. IN NO CASE SHALL ANY STOCKPILED MATERIAL REMAIN AFTER THIRTY (30) CALENDAR DAYS.
23. STORM WATER INLETS IN THE VICINITY OF THE PROJECT SHALL BE PROTECTED BY SEDIMENT TRAPS SUCH AS SECURED HAY BALES, SOD, STONE, ETC., WHICH SHALL BE MAINTAINED AND MODIFIED AS REQUIRED BY CONSTRUCTION PROGRESS, AND WHICH MUST BE APPROVED BY THE ENGINEER BEFORE INSTALLATION. THIS WILL BE MAINTAINED TO PREVENT DEGRADATION OF THE WATERS OF THE COUNTY AND STATE.
24. SEDIMENT BASINS AND TRAPS, PERIMETER BERMS, SEDIMENT BARRIERS, VEGETATIVE BUFFERS, AND OTHER MEASURES INTENDED TO TRAP SEDIMENT AND/OR PREVENT THE TRANSPORT OF SEDIMENT ONTO ADJACENT PROPERTIES, OR INTO EXISTING BODIES OF WATER, MUST BE INSTALLED, CONSTRUCTED, OR IN THE CASE OF VEGETATIVE BUFFERS, PROTECTED FROM DISTURBANCE, AS A FIRST STEP IN THE LAND ALTERATION PROCESS. SUCH SYSTEMS SHALL BE FULLY OPERATIVE BEFORE ANY OTHER DISTURBANCE OF THE SITE BEGINS. EARTHEN STRUCTURES INCLUDING BUT NOT LIMITED TO BERMS, EARTH FILTERS, DAMS OR DIKES SHALL BE STABILIZED AND PROTECTED FROM DRAINAGE DAMAGE OR EROSION WITHIN ONE (1) WEEK OF INSTALLATION.
25. ALL SWALES, DITCHES, AND CHANNELS LEADING FROM THE SITE SHALL BE PROTECTED FROM SILTATION AND EROSION DURING CONSTRUCTION AND BE SODDED WITHIN THREE (3) DAYS OF EXCAVATION.
26. SOIL DISPLACED BY CONSTRUCTION WILL BE REMOVED. EROSION CONTROL SHALL BE IMPLEMENTED IN AREAS WHICH ARE CONSIDERED ENVIRONMENTALLY SENSITIVE. EROSION CONTROL SYSTEMS SHALL BE REQUIRED FOR ALL WORK WITHIN JURISDICTIONAL AREAS. THESE SYSTEMS MAY INCLUDE STAKED HAY BALES, SILT SCREENS, FILTER FABRIC, AND TURBIDITY SCREENS.
27. ALL EROSION AND POLLUTION CONTROL DEVICES SHALL BE CHECKED REGULARLY, ESPECIALLY AFTER EACH RAINFALL AND SHALL BE CLEANED OUT AND/OR REPAIRED AS REQUIRED.
28. THE CONTRACTOR SHALL NOT ENTER UPON OR IN ANY WAY ALTER WETLAND AREAS THAT MAY BE ON OR NEAR THE CONSTRUCTION SITE. ALL WORK IN THE VICINITY OF OPEN WATER AND/OR WETLANDS IS TO BE PERFORMED IN COMPLIANCE WITH THE ENVIRONMENTAL REGULATIONS AND/OR PERMITS FOR THE SITE. THE CONTRACTOR WILL BE RESPONSIBLE FOR ANY FINES RESULTING FROM HIS VIOLATION OF ANY REGULATIONS OR PERMIT CONDITIONS.
29. FOR MORE INFORMATION, SEE THE EROSION CONTROL DETAIL SHEET INCLUDED IN THE PLANS.
- RIGHT-OF-WAY**
30. ALL CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO WITHIN THE MANATEE COUNTY RIGHT-OF-WAY.
31. THE CONTRACTOR SHALL EMPLOY A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA TO REFERENCE AND RESTORE PROPERTY CORNER MONUMENTS, PINS, AND LANDMARKS THAT MAY BE DISTURBED BY CONSTRUCTION AT NO ADDITIONAL COST TO THE OWNER.
32. THE CONTRACTOR, PRIOR TO CONSTRUCTION AND RESTRICTING ANY TRAFFIC, MUST OBTAIN A RIGHTS-OF-WAY USE PERMIT AND A TRAFFIC CONTROL PLAN. THE CONTRACTOR SHALL OBTAIN ALL REQUIRED PERMITS FROM OTHER GOVERNMENTAL AGENCIES HAVING RELEVANT JURISDICTION. ALL MAINTENANCE AND PROTECTION OF TRAFFIC SHALL BE IN ACCORDANCE WITH THE APPLICABLE REQUIREMENTS OF THE CURRENT FLORIDA DEPARTMENT OF TRANSPORTATION "MANUAL OF TRAFFIC CONTROL AND SAFE PRACTICES". A TRAFFIC CONTROL PLAN SHALL BE SUPPLIED BY THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.
33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING ALL DAMAGED STORM WATER STRUCTURES, PIPING, ENTRANCE PIPE AND HEADWALLS WHETHER SHOWN ON THE PLANS OR NOT. THE HEADWALLS SHALL BE REPLACED IN ACCORDANCE WITH F.D.O.T. STANDARDS.
34. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ESTABLISH IN THE FIELD THE RIGHT-OF-WAY LINES, BASE LINES, BENCH MARKS (ELEV.), CENTER LINES, AND STATIONING AS REQUIRED TO CONSTRUCT THIS PROJECT.
35. THE CONTRACTOR SHALL COORDINATE THE CUTTING OF DRIVEWAYS WITH THE PROPERTY OWNER PRIOR TO CUT. ALL DRIVEWAYS WILL BE IN PASSABLE CONDITION AT THE END OF THE WORK DAY AND FULLY RESTORED PER SECTION 02575.
36. A RIGHT OF ENTRY AGREEMENT SHALL BE OBTAINED BY THE PROJECT MANAGER FROM THE PROPERTY OWNER BEFORE ANY DRIVEWAY CONSTRUCTION WORK IS DONE OUTSIDE OF THE RIGHT-OF-WAY OR EASEMENT.

UTILITIES

37. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES ARE SHOWN TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE PLANS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, ETC. WHICH ARE WITHIN THE PROJECT AREA AND WHICH HAVE NOT BEEN LOCATED OR IDENTIFIED, MAY NOT BE IN THE EXACT LOCATION SHOWN OR RELOCATED SINCE THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS AND DIMENSIONS OF ALL EXISTING UTILITIES STRUCTURES AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE PLANS) THAT MAY EFFECT HIS WORK. ALL EXISTING UTILITIES TO BE EXTENDED, CROSSED OR CONNECTION POINTS SHALL BE EXPOSED PRIOR TO CONSTRUCTION TO VERIFY LOCATION AND ELEVATION. ANY DISCREPANCIES OR CONFLICTS FOUND SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION FOR RESOLUTION.
38. THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, WATER AND SEWER LINES, STORM DRAINS, UTILITIES, DRIVEWAYS, SIDEWALKS, SIGNS, MAIL BOXES, FENCES, TREES, LANDSCAPING, AND ANY OTHER IMPROVEMENT OR FACILITY IN THE CONSTRUCTION AREA. THE CONTRACTOR SHALL REPAIR AND/OR REPLACE ANY DAMAGED ITEM DUE TO HIS CONSTRUCTION ACTIVITIES TO EQUAL OR BETTER THAN PRE-CONSTRUCTION CONDITIONS AT NO ADDITIONAL COST TO THE OWNER.
39. THE CONTRACTOR SHALL USE APPROPRIATE TECHNIQUES, AS APPROVED, RECOMMENDED OR OFFERED BY FLORIDA POWER AND LIGHT TO PREVENT UNDERMINING OF POWER POLES DURING CONSTRUCTION. IF HOLDING OF POWER POLES IS RECOMMENDED OR REQUIRED BY THE UTILITY, THE CONTRACTOR SHALL COORDINATE THIS ACTIVITY WITH THE UTILITY AND BEAR ALL RELATED COSTS.
40. ANY TEMPORARY SHUTDOWNS FOR MODIFICATIONS OF EXISTING UTILITY SYSTEMS THAT MUST REMAIN IN SERVICE DURING CONSTRUCTIONS SHALL BE KEPT TO A MINIMUM AND SHALL BE COORDINATED WITH AND APPROVED BY THE MANATEE COUNTY UTILITY OPERATIONS DEPARTMENT IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. IT IS NOTED THAT TEMPORARY SHUTDOWNS MAY BE RESTRICTED TO CERTAIN HOURS AT ANY TIME OF THE DAY OR NIGHT AND WILL BE COMPLETED AT NO ADDITIONAL COST TO THE OWNER.
41. ALL CONCRETE THRUST BLOCKS INSTALLED FOR TESTING PURPOSES AND NOT REQUIRED FOR THE OPERATION OF THE PIPELINE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR, PRIOR TO FINAL ACCEPTANCE, AT NO ADDITIONAL COST TO THE OWNER.
42. ASPHALT DRIVES THAT ARE CUT SHALL BE RESTORED PER SECTION 02513.

RESTORATION

43. ALL RESTORATION WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS SHOWN OTHERWISE.
44. ALL DISTURBED GRASSED AREAS SHALL BE SODDED OR SEEDED UNLESS OTHERWISE INDICATED. THE TYPE OF SOD USED TO REPLACE OWNER MAINTAINED AREAS IN RIGHT-OF-WAY SHALL BE COORDINATED WITH THE PROPERTY OWNER.
45. CONCRETE DRIVEWAYS OR SIDEWALKS THAT ARE CUT SHALL BE RESTORED TO MATCH EXISTING ACCORDING TO THE CURRENT EDITIONS OF THE F.D.O.T. SPECIFICATIONS FOR ROAD AND BRIDGE DESIGN, SECTION 522, AND SECTION 310 OF THE F.D.O.T. DESIGN STANDARDS.
46. WHENEVER A PERMANENT ROADWAY SURFACE IS NOT PLACED IMMEDIATELY AFTER BACKFILLING AND COMPACTION OF THE NEWLY INSTALLED PIPE LINE IN AREAS WHERE TRAFFIC MUST PASS, THE CONTRACTOR SHALL INSTALL A TEMPORARY SURFACE CONSISTING OF NINE INCHES OF COMPACTED LIME ROCK BASE AND A COAT OF ASPHALT EMULSION. PERMANENT ROADWAY REPAIR SHALL BE PERFORMED A MAXIMUM OF TWENTY-ONE CALENDAR DAYS AFTER THE INITIAL OPEN CUTTING.
47. RESTORATION OF CURBS, DRIVEWAYS, SIDEWALKS, AND PLACEMENT OF SOD SHALL BE COMPLETED WITHIN FORTY-FIVE CALENDAR DAYS OF INITIAL DISTURBANCE, OR TWENTY-ONE CALENDAR DAYS OF SUBSTANTIAL COMPLETION, WHICHEVER OCCURS FIRST.

CONSTRUCTION

48. THE EXHAUST SYSTEM OF ALL GASOLINE AND DIESEL ENGINES SHALL BE EQUIPPED WITH MUFFLERS THAT MEET THE EQUIPMENT MANUFACTURER'S REQUIREMENTS FOR NOISE SUPPRESSION. THE CONTRACTOR SHALL INSTALL NOISE ABATEMENT BAFFLES POSITIONED TO BREAK LINE-OF-SITE FROM THE NOISE SOURCE TO AFFECTED RESIDENCES, AS APPROVED BY THE ENGINEER.
49. NO MATERIAL SHALL BE STOCKPILED IN ROADWAYS. ALL DIRT AND DEBRIS SHALL BE REMOVED FROM THE JOB SITE DAILY. ROADS SHALL BE SWEEP DAILY AS PART OF DAILY CLEAN UP.
50. THE CONTRACTOR IS TO CONTROL ALL FUGITIVE DUST ORIGINATING ON THIS PROJECT BY WATERING OR OTHER METHODS AS REQUIRED.
51. INGRESS AND EGRESS TO ALL THE PROPERTIES IN THE CONSTRUCTION AREA SHALL BE MAINTAINED AT ALL TIMES.
52. PRIOR APPROVAL WILL BE REQUIRED FOR REMOVAL OF ANY TREE WITHIN THE CONSTRUCTION AREA.
53. THE CONTRACTOR SHALL PROVIDE ALL DEWATERING EQUIPMENT NECESSARY TO KEEP ALL EXCAVATIONS DRY. DEWATERING IS REQUIRED TO 18" BELOW TRENCH BOTTOM.
54. ALL PIPING AND FITTINGS USED ON THIS PROJECT SHALL BE AS NOTED ON THE PLANS AND IN THE CONTRACT DOCUMENT AND SHALL BE INSTALLED TO THE LINES AND GRADES SHOWN ON THE PLANS AND PROFILES.
55. ALL PIPE SHALL BE COLOR CODED TO CONFORM TO MANATEE COUNTY STANDARDS.
56. ALL PIPE AND FITTINGS SHALL BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER AND ALL PIPE JOINTS SHALL BE RESTRAINED WHERE REQUIRED.
57. ALL FITTINGS FOR PRESSURE CLASS-RATED PIPE SHALL BE RESTRAINED DUCTILE IRON. RESTRAINED LENGTHS OF PIPE SHALL ADHERE TO THE REQUIREMENTS AS SHOWN ON THE DETAIL SHEETS.
58. WHERE IT IS NECESSARY TO DEFLECT PIPE EITHER HORIZONTALLY OR VERTICALLY, PIPE DEFLECTION SHALL NOT EXCEED 75% OF THE MANUFACTURER'S MAXIMUM ALLOWABLE RECOMMENDED DEFLECTION.
59. ALL PIPE LENGTHS ARE PLUS OR MINUS AND MAY BE ADJUSTED IN THE FIELD AS REQUIRED. PIPE MEASUREMENTS ARE TO CENTER OF STRUCTURES OR FITTINGS.
60. ALL ROCKS OR STONES LARGER THAN SIX INCH DIAMETER SHALL BE REMOVED FROM THE BACKFILL MATERIAL. BACKFILL MATERIAL PLACED WITHIN ONE FOOT OF PIPING AND APPURTENANCES SHALL NOT CONTAIN ANY STONES LARGER THAN TWO INCH DIAMETER.
61. ONLY MANATEE COUNTY UTILITY OPERATIONS STAFF ARE AUTHORIZED TO OPERATE VALVES ON COUNTY OWNED AND MAINTAINED UTILITY SYSTEMS.
62. ALL PENETRATION OF EXISTING STRUCTURES SHALL BE BY THE MECHANICAL ROTARY CORE BORING METHOD.
63. ALL CONCRETE PENETRATED OR DISTURBED SHALL BE COATED WITH TWO COATS OF EPOXY.
64. CONTRACTOR IS RESPONSIBLE FOR ALL UNSUITABLE MATERIAL REMOVAL WITHIN PROJECT LIMITS. EXCAVATION, EMBANKMENT, INCLUDING UTILIZATION, AND UNSUITABLE MATERIAL SHALL BE IN ACCORDANCE WITH FDOT DESIGN STANDARDS, LATEST VERSION.
65. ALL STUMPS, ROOTS, AND OTHER DEBRIS PROJECTING THROUGH OR APPEARING ON THE SURFACE OF THE GROUND SHALL BE REMOVED TO A DEPTH OF 1 FOOT BELOW THE COMPLETED SURFACE. THIS WORK SHALL BE INCLUDED IN AND PAID FOR UNDER THE PAY ITEM FOR CLEARING AND GRUBBING.
66. ALL MATERIALS NOT CLAIMED BY THE COUNTY SHALL BECOME PROPERTY OF THE CONTRACTOR, AND SHALL BE DISPOSED OF BY THE CONTRACTOR IN AREAS PROVIDED BY THE CONTRACTOR. THIS WORK SHALL BE INCLUDED IN AND PAID UNDER THE PAY ITEM FOR CLEARING AND GRUBBING.
67. THE CONTRACTOR SHALL NOT DISTURB NO MORE GROUND THAN WHAT IS NECESSARY FOR CONSTRUCTION. NO OPEN EXCAVATED TRENCH, OR OTHER UNSAFE CONDITION WILL BE LEFT OVERNIGHT. ALL WORK SITES WILL BE COMPLETELY RESTORED WITHIN SEVEN (7) CALENDAR DAYS OF THE CONCRETE POUR FOR DRIVEWAYS. THE INTENT OF THIS PROVISION IS TO SAFE-UP THE PROJECT SITE AS WORK PROGRESSES, AND SHALL INCLUDE REMOVING FORMS, FILLING HOLES, GRADING AND REMOVAL OF DEBRIS.
68. ALL EXISTING SIGNS WITHIN THE PROJECT LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED IN THE PLANS, OR AS DIRECTED BY THE ENGINEER.
69. ANY EXISTING SIGN THAT IS DISTURBED OR RELOCATED DURING CONSTRUCTION SHALL BE RESET TO CURRENT STANDARDS FOR HEIGHT, OFFSET, AND METHOD OF INSTALLATION AT NO ADDITIONAL COST TO THE COUNTY.
70. ALL EXISTING FENCES DISTURBED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AND REINSTALLED BY THE CONTRACTOR AT NO ADDITIONAL COST. ALL EXISTING FENCES TO BE RELOCATED SHALL BE REINSTALLED 1 FOOT OUTSIDE EXISTING RIGHT OF WAY.
71. ALL EXISTING TREES WITHIN THE EXISTING RIGHT OF WAY SHALL REMAIN UNLESS OTHERWISE NOTED.
72. ALL EXISTING STORM DRAINAGE STRUCTURES WITHIN THE PROJECT LIMITS SHALL BE REMOVED UNLESS OTHERWISE NOTED.
73. THE CONTRACTOR, PRIOR TO ANY TEMPORARY WATER SHUT-OFFS DURING WATER MAIN TIE-IN, ETC., SHALL NOTIFY THE AFFECTED RESIDENTS BY POSTING INFORMATIONAL SIGNS IN THE NEIGHBORHOOD AT LEAST TWO DAYS (48 HRS) PRIOR TO THE WATER SHUT-OFF. REFERENCE SECTION 01580, PARAGRAPH 1.03 OF THE SPECIFICATIONS. WHEN FEASIBLE, "DOOR HANGERS" SHALL BE DELIVERED TO AFFECTED RESIDENCES AT LEAST TWO DAYS (48 HRS) PRIOR TO WATER SHUT-OFF. FOR LARGE PROJECTS WITH HUNDREDS OF HOMES AFFECTED, THE CONTRACTOR SHALL ALSO MAKE EXTENSIVE USE OF THE MEDIA AND SHALL HAVE PRIOR CONTACT WITH HOMEOWNER'S ASSOCIATIONS. WRITTEN NOTIFICATIONS SHALL ALSO BE FAXED TO THE TAMPA TRIBUNE, BRADENTON HERALD, SARASOTA HERALD TRIBUNE, WBFO RADIO, EMERGENCY COMMUNITY CENTERS, INSPECTIONS, WATER TREATMENT PLANT, WATER MANAGER, HELPLINE, CUSTOMER SERVICE, AND THE MANATEE COUNTY UTILITY OPERATIONS DEPARTMENT.
74. ALL NEW PIPE LINES SHALL BE PIG CLEANED (4" AND LARGER), FLUSHED, PRESSURE TESTED, DISINFECTED AND CERTIFIED PRIOR TO TIE-INS TO EXISTING FACILITIES. THE CONTRACTOR WILL BE ALLOWED TO USE TEMPORARY PLUGS FOR PIG CLEANING AND PRESSURE TESTING.
75. ALL TEST POINT PIPING SHALL BE CUT LOOSE FROM THE CORPORATION STOP AND COMPLETELY REMOVED AND DISPOSED OF BY THE CONTRACTOR PRIOR TO FINAL ACCEPTANCE. A CORPORATION STOP PLUG SHALL BE INSTALLED AND THE CORPORATION STOP SHALL REMAIN IN PLACE.
76. ALL EXISTING MAINS THAT ARE BEING REPLACED SHALL BE REMOVED UPON ACCEPTANCE AND ACTIVATION OF THE NEW MAINS.

77. WATER MAINS CROSSING OVER OR UNDER SANITARY SEWERS, FORCE MAINS, AND RECLAIMED WATER LINES SHALL BE LAID PER CURRENT EDITION OF "10 STATE STANDARDS" AND MANATEE COUNTY UTILITY STANDARDS UNLESS NOTED OTHERWISE ON THE PLANS.
78. FIELD CONDITIONS MAY NECESSITATE MINOR ALIGNMENT AND GRADE DEVIATION OF THE PROPOSED UTILITIES TO AVOID OBSTACLES, AS ORDERED BY THE ENGINEER.
79. CONTRACTOR SHALL PROVIDE RECORD DRAWINGS IN ACCORDANCE WITH SECTION 14 IN THE CURRENT MANATEE COUNTY UTILITY STANDARDS AT NO COST TO THE OWNER. RECORD DRAWINGS SHALL BE SIGNED & SEALED BY A SURVEYOR CURRENTLY LICENSED BY THE STATE OF FLORIDA. ALL RECORD DRAWING INFORMATION REQUIREMENTS IN SECTION 14 SHALL BE STRICTLY ENFORCED. A COPY OF SECTION 14 WILL BE PROVIDED UPON REQUEST.









































DRAINAGE AND GRADING

80. ALL CONSTRUCTION IS TO BE STAKED IN THE FIELD BY OR UNDER THE SUPERVISION OF A FLORIDA REGISTERED LAND SURVEYOR.
81. THE CONTRACTOR IS TO PROVIDE THE ENGINEER OF RECORD WITH REPRODUCIBLE RECORD DRAWINGS SHOWING ALL IMPROVEMENT LOCATIONS AND ELEVATIONS IN ACCORDANCE WITH LATEST MANATEE COUNTY PUBLIC WORKS DEPARTMENT STANDARDS AND SFWMD STANDARDS. THE CONTRACTOR SHALL PROVIDE FIVE SETS OF PRINTS, SIGNED AND SEALED BY A PROFESSIONAL LAND SURVEYOR OF THE RECORD DRAWING TO THE ENGINEER OF RECORD. RECORD DRAWINGS SHALL INCLUDE TOP OF BANK AND STORM STRUCTURES AND BE REVIEWED BY THE ENGINEER OF RECORD PRIOR TO ACCEPTANCE AND PAYMENT.
82. TOPOGRAPHIC GROUND ELEVATIONS, LOCATIONS AND DEPTHS OF SEWERS, CONDUITS, PIPES, EXISTING STRUCTURES, PAVEMENT, HAVE BEEN OBTAINED BY RELIABLE SOURCES. THE ACCURACY OF THIS DATA IS NOT GUARANTEED, AND IS FURNISHED SOLELY AS AN ACCOMMODATION TO THE CONTRACTOR. USE OF THIS DATA SHALL BE MADE AT THE CONTRACTOR'S DISCRETION. NO ADDITIONAL COMPENSATION WILL BE GRANTED DUE TO THE CONTRACTOR'S LACK OF KNOWLEDGE OF THE SITE CONDITIONS. PRIOR TO BID SUBMISSION, THE CONTRACTOR SHALL CONDUCT ANY ADDITIONAL SURVEYS HE MAY DEEM NECESSARY TO VERIFY THE ACCURACY OF THE INFORMATION PROVIDED.
83. ALL PIPE LENGTHS SHOWN ON PLAN VIEW ARE TO THE END OF THE MITERED END SECTION. REFER TO MES DETAIL FOR LENGTH OF PIPE TO BE INCLUDED IN PRICE FOR MES.
84. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR ALL STRUCTURES PRIOR TO INSTALLATION.
85. ALL BACKFILL AREAS TO BE CONSTRUCTED IN 12" MAXIMUM LIFTS.
86. STATION LOCATIONS AND OFFSETS FOR DITCH BOTTOM INLETS / MANHOLES / MITERED END SECTIONS (MES) REFERENCE THE CENTER OF THE SPECIFIED STRUCTURE BOTTOM. FOR PIPES WITH MITERED END SECTIONS, THE PROPOSED LENGTHS SHOWN ON THE PLANS INCLUDE THE LENGTH OF THE MES. PAYMENT FOR PIPE SHALL NOT INCLUDE THE LENGTH OF THE MES, AS SPECIFIED BY DIMENSION "T" AS SHOWN IN FDOT INDEX 272 AND 273.
87. ALL MANHOLES SHALL HAVE HEAVY DUTY RING AND COVER MANHOLE ACCESS. ALL STORM STRUCTURES SHALL HAVE 6" MINIMUM WALLS.
88. DURING DEWATERING OPERATIONS, THE CONTRACTOR SHALL NOT DISCHARGE DIRECTLY TO RECEIVING WATERS, EXISTING CONVEYANCES TO RECEIVING WATERS, OR WETLAND SYSTEMS. TEMPORARY SEDIMENT BASINS, TRAPS, OR SILTATION REDUCTION DEVICES SHALL BE UTILIZED TO COLLECT THE DISCHARGE FROM DEWATERING ACTIVITIES TO ELIMINATE THE POTENTIAL FOR OFFSITE SEDIMENT TRANSPORT AND TO INSURE THAT DIRECT DISCHARGE DOES NOT OCCUR.

EMERGENCY CONTACTS

MANATEE COUNTY PUBLIC WORKS DEPT. CHRISTOPHER MOWBRAY, P.E. 1022 26TH AVENUE EAST BRADENTON, FL. 34208 (941) 708-7450 EXT. 7605 FAX: (941) 708-5507	FLORIDA POWER & LIGHT GREG COKER 1253 12TH AVENUE EAST PALMETTO, FL. 34221 (941) 723-4430 FAX: (941) 723-4444 EMERGENCY: 1-800-4-OUTAGE Greg.Coker@fpl.com	FLORIDA GAS TRANSMISSION CHAD HARRELL 7804 ANDERSON RD. TAMPA FL 33634 PHONE: (813) 466-3327 E-mail: chad.harrell@fsg.com	PEACE RIVER ELECTRIC COOPERATIVE, INC. P.O. BOX 1310 WACHULA, FL 33873 KENDELL COKER (863) 767-4660 kendell.coker@preco.coop
TECO/PEOPLES GAS CO. DAN SHANAHAN 8261 VICO COURT SARASOTA, FL. 34240 (941) 342-4030 FAX: (941) 342-4011 EMERGENCY: 1-877-832-6911	MANATEE COUNTY HEALTH DEPT. HARRY MESSICK 410 6th AVENUE EAST BRADENTON, FL. 34208 (941) 748-0747 EXT. 1355 FAX: (941) 750-9364	FDEP, SOUTHWEST DISTRICT ED WATSON 13051 N. TELECOM PKWY TEMPLE TERRACE, FL 33637 (813) 470-5875 FAX: (813) 470-5993	MANATEE COUNTY PUBLIC WORKS DEPT./TRAFFIC ENGINEERING/ ATMS 2101 47TH TERRACE EAST BRADENTON, FL 34203 VISHAL KAKKAD, P.E. (941) 749-3500 EXT. 7812 FAX: (941) 749-3571 vishol.kakkad@myrmanatee.org.
VERIZON FLORIDA INC. DENISE HUTTON 1701 RINGLING BLVD. SARASOTA, FL. 34236 (941) 906-6722 FAX: (941) 906-6706 Denise.Hutton@verizon.com	SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT SARASOTA SERVICE OFFICE STEVE LOPES, P.E. 6750 FRUITVILLE ROAD SARASOTA, FL. 34240 (941) 377-3722 FAX: (941) 373-7660	BRIGHT HOUSE NETWORKS TOM WRIGHT 5413 E. STATE ROAD 64 BRADENTON, FL. 34208-5535 (941) 748-3816 EXT. 21348 Tom.Wright@mybighthouse.com	SUNSHINE STATE ONE CALL OF FLORIDA 1-(800) 432-4770

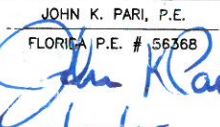
LEGEND

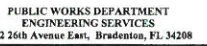
EXISTING		LEGEND	
BM 	BENCH MARK	BUSH 	ABBREVIATIONS
CM 	CONCRETE MONUMENT	TREE 	
IP 	IRON PIPE	OAK TREE 	R/W RIGHT OF WAY
IR 	IRON ROD	PALM TREE 	CONC CONCRETE
HUB 	HUB	PINE TREE 	ASPH ASPHALT
N&D 	NAIL & DISK	EDGE OF VEGETATION 	DRWY DRIVEWAY
ELEVATION 	ELEVATION	CHAIN LINK FENCE 	SWK SIDEWALK
PARCEL ID NO. 	PARCEL ID NO.	WOOD FENCE 	EP EDGE OF PAVEMENT
PARCEL ID NO. 	PARCEL ID NO.	BARBED WIRE FENCE 	BOC BACK OF CURB
LOT NO. 	LOT NO.	FW FORCE MAIN	
GW 	GUY WIRE	PW POTABLE WATER	
PP 	POWER POLE	RW RECLAIMED WATER	
LP 	LIGHT POLE	SS SANITARY SEWER	
MB 	MAIL BOX	S STORM DRAIN	
SN 	SIGN	GAS GAS LINE	
REF 	REFLECTOR	OH TV OVERHEAD TV	
SPRK 	SPRINKLER	UG TV UNDERGROUND TV	
GM 	GAS MARKER	OE OVERHEAD ELECTRIC	
BFP 	BACKFLOW PREVENTER	BE UNDERGROUND ELECTRIC	
BO 	BLOW OFF VALVE	OH VER OVERHEAD VERIZON	
FH 	FIRE HYDRANT	UG VER UNDERGROUND VERIZON	
WV 	WATER VALVE	VER VERIZON	
ARV 	AIR RELEASE VALVE	UG UNDERGROUND UTILITY	
WM 	WATER METER	OH OVERHEAD UTILITY	
SMH 	SANITARY SEWER MANHOLE	RR RAIL ROAD TRACKS	
CO 	SANITARY SEWER CLEAN OUT	EDGE OF CONCRETE	
SB#1 	SOIL BORING LOCATION	EDGE OF ROAD	
TEL 	TELEPHONE SERVICE BOX	TOE OF SLOPE	
GI 	FLOW DIRECTION	TOP OF BANK	
	GRATE INLET	PROPERTY LINE	
	MITERED END SECTION	RIGHT OF WAY	



PUBLIC WORKS DEPARTMENT
ENGINEERING SERVICES
1022 26th Avenue East, Bradenton, FL 34208

STORM & WATER IMPROVEMENTS
12th STREET EAST
NOTES & LEGEND

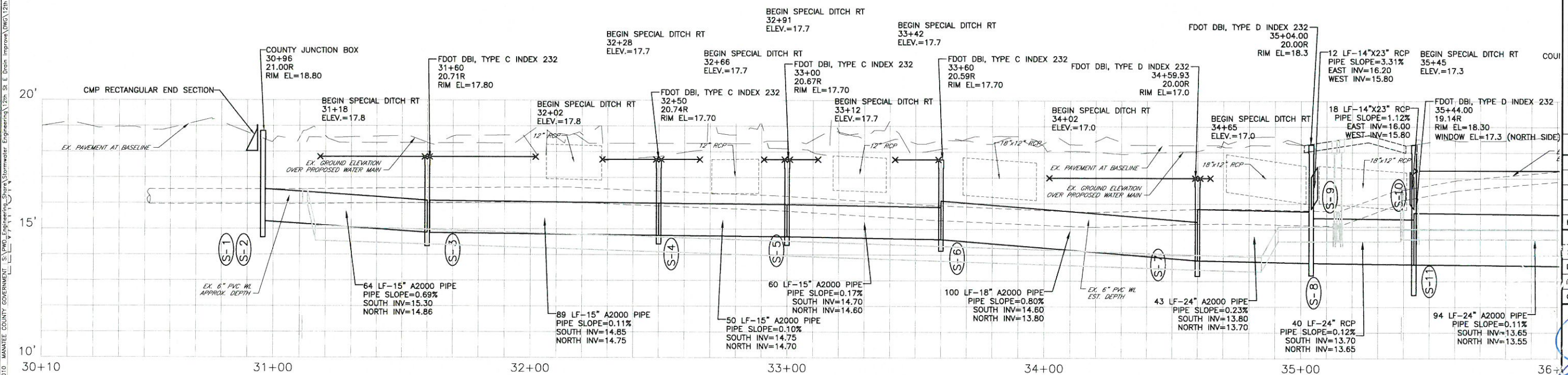
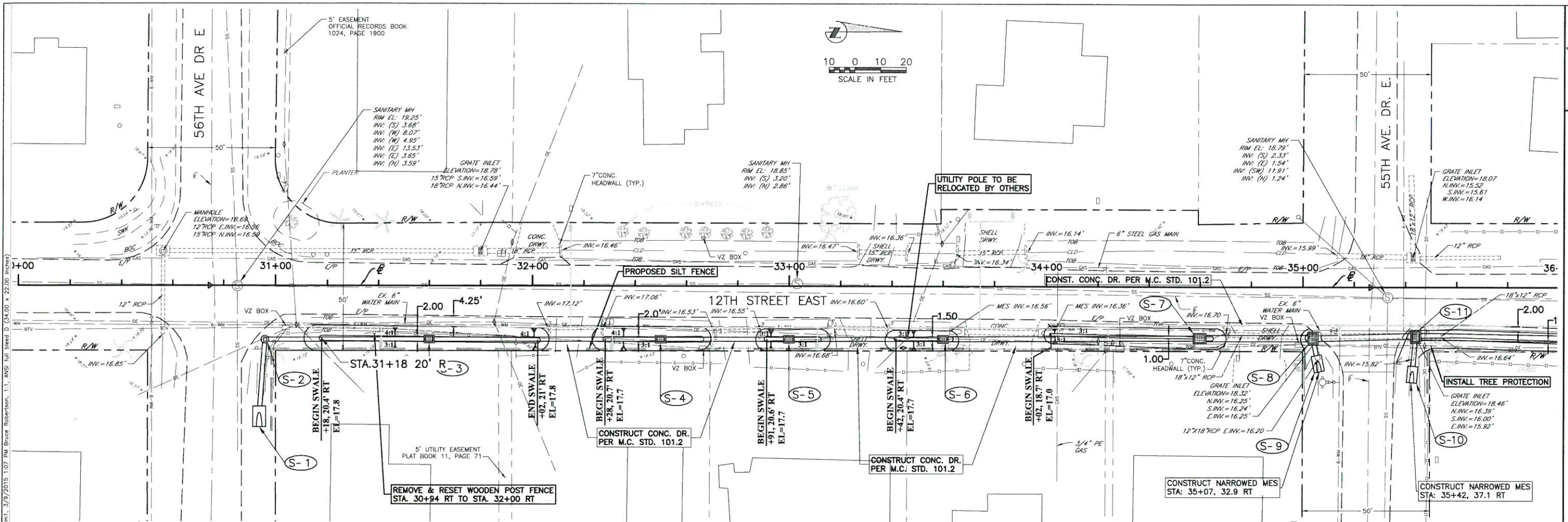
REVISION DESCRIPTION		DATE	BY
NO.			
PROJECT #	5133970		
SURVEY #	14.061		
SEC./TWN./RGE	13/35/17		
SCALE	NA		
	BY	DATE	
SURVEYED	MC	12/2013	
DESIGNED	JKP	06/2014	
DRAWN	JKP	08/2014	
CHECKED	MS	08/2014	
JOHN K. PARI, P.E. FLORIDA P.E. # 56368  3/24/15 Signature & Date			
SHEET 02 OF 13			



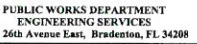
STORM & WATER IMPROVEMENTS
12th STREET EAST
QUANTITIES

[illegible]

STORM & WATER IMPROVEMENTS 12th STREET EAST STORM WATER PLAN & PROFILE



NO.	REVISION DESCRIPTION	BY	DATE
1	PROJECT # 5133970		
2	SURVEY # 14.061		
3	SEC./TWN./RGE 13/35/17		
4	VERT. SCALE 1"=2'		
5	HORZ. SCALE 1"=20'		
6	BY DATE		
7	SURVEYED MC 12/2013		
8	DESIGNED JKP 06/2014		
9	DRAWN JKP 08/2014		
10	CHECKED MS 08/2014		
11	JOHN X. PARI, P.E.		
12	FLORIDA P.E. # 56368		
13	Signature & Date		
14	3/24/15		
15	SHEET 04 OF 13		



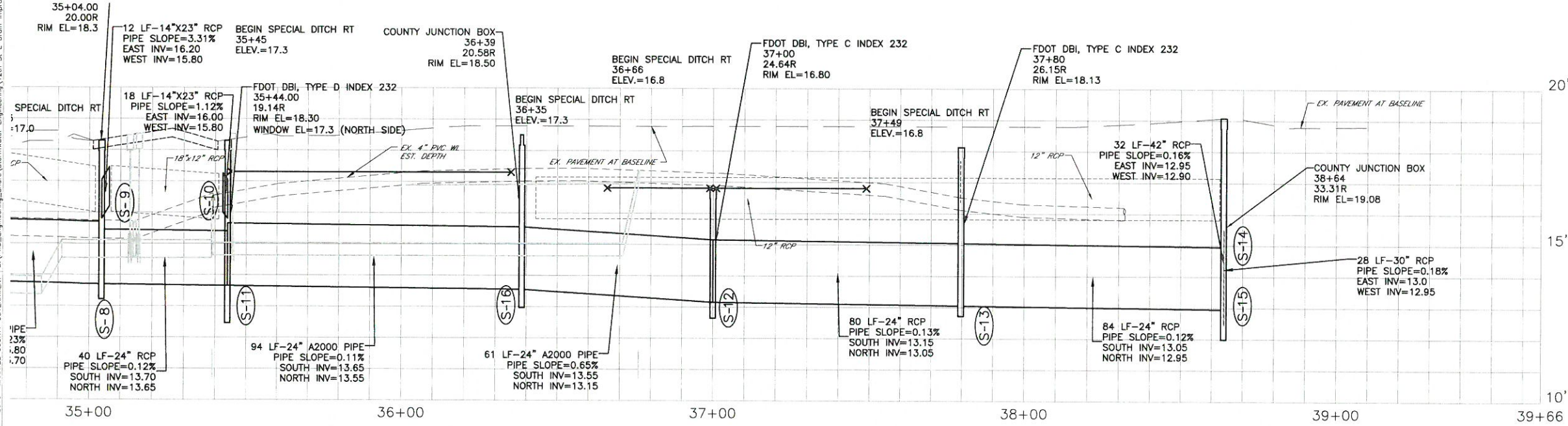
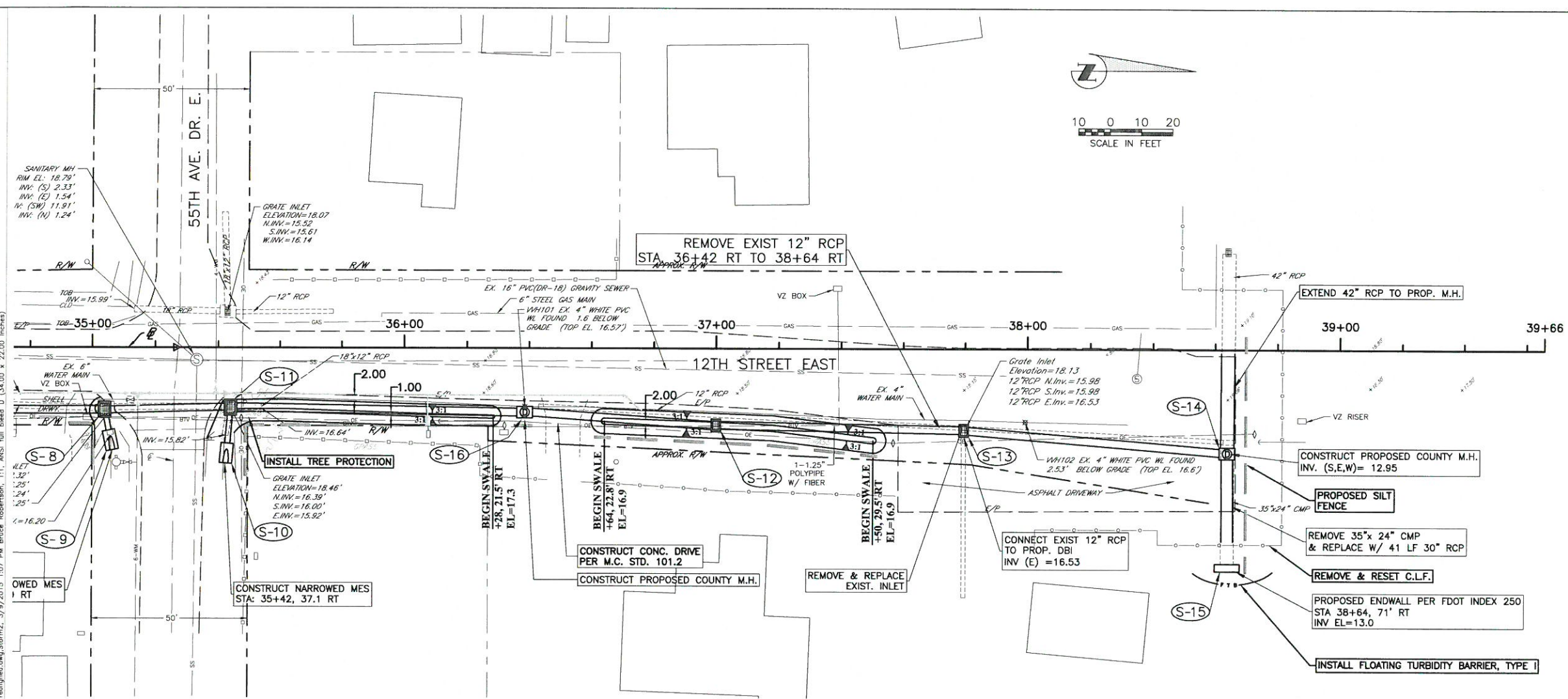
STORM & WATER IMPROVEMENTS

12th STREET EAST

STORM WATER PLAN & PROFILE

[illegible]

SHEET 05 OF 13

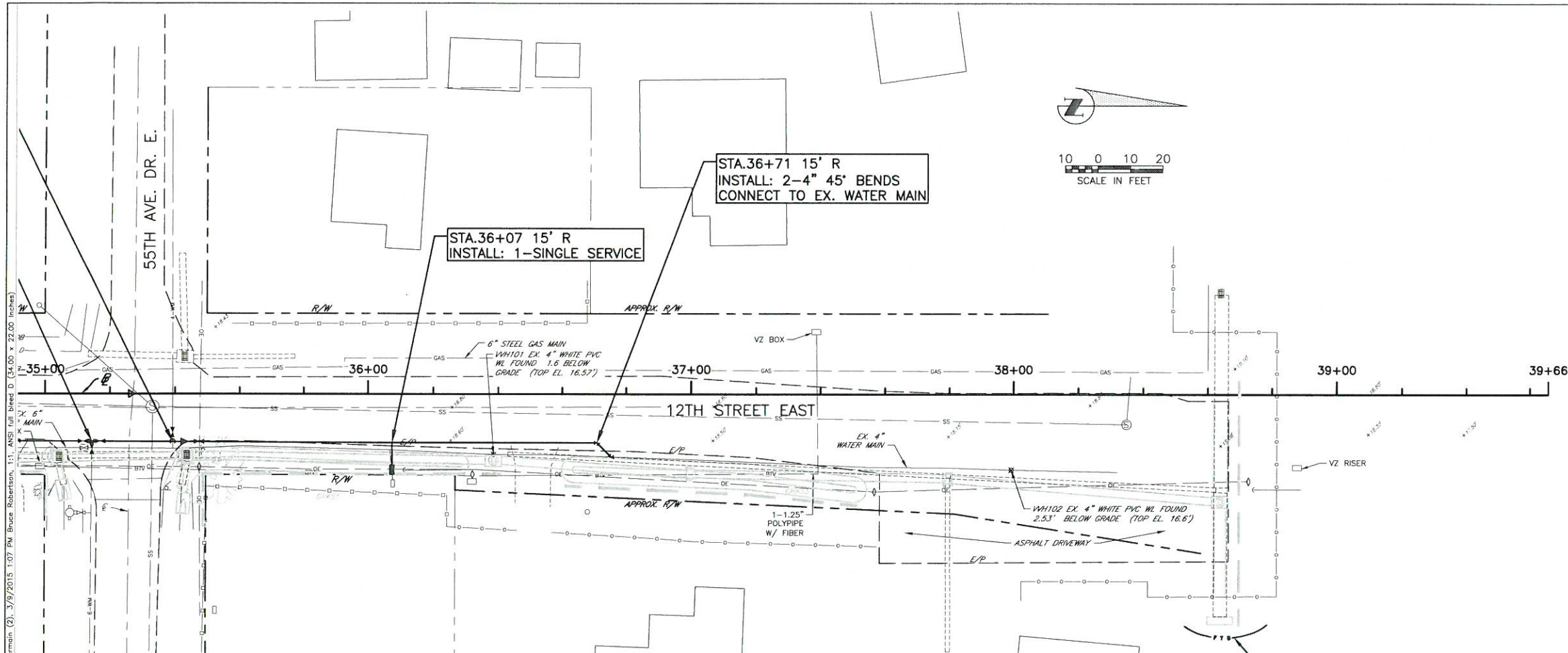


STORM & WATER IMPROVEMENTS
12th STREET EAST
WATER MAIN PLAN & PROFILE

NO.	REVISION DESCRIPTION	BY	DATE

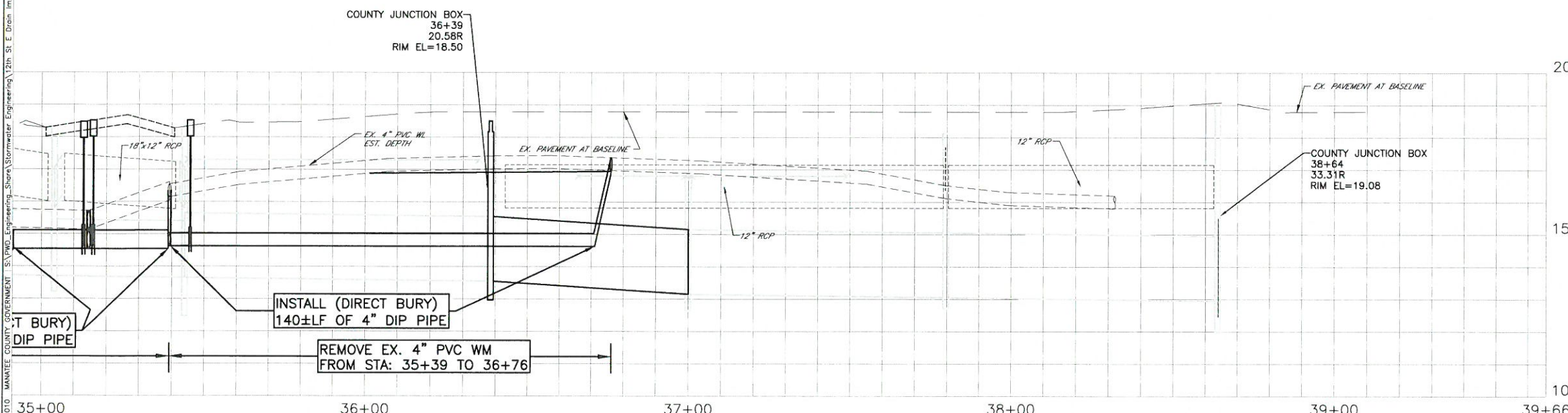
PROJECT #	5133970
SURVEY #	14.061
SEC./TWN./RGE	13/35/17
VERT. SCALE	1"=2'
HORZ. SCALE	1"=20'

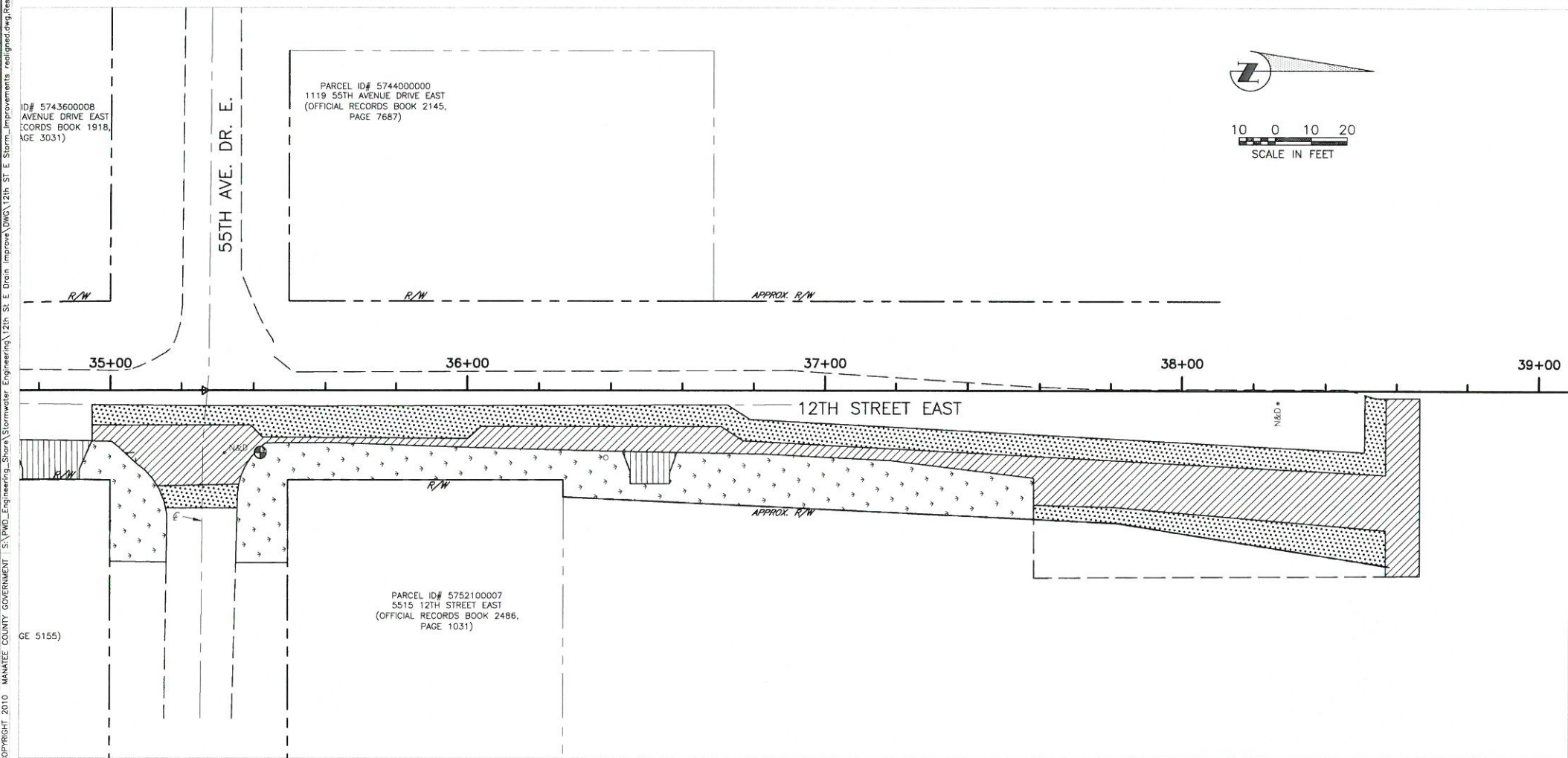
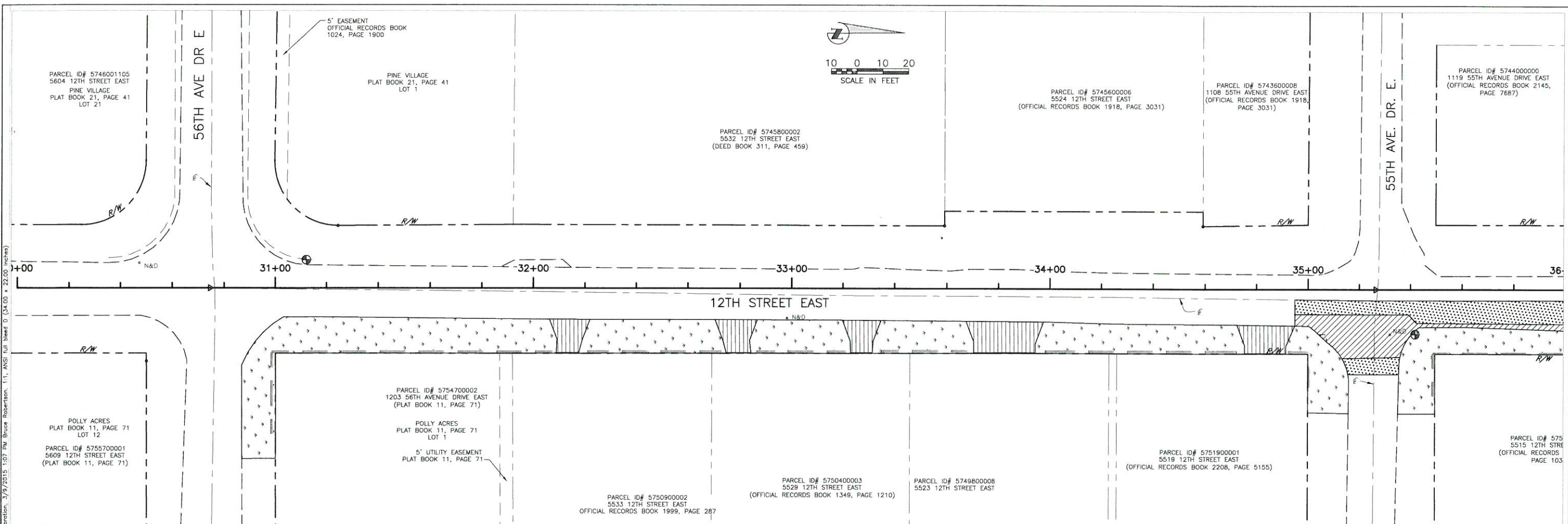
JOHN K. PARI, P.E.
FLORIDA P.E. # 56368
3/24/15
Signature & Date







NOTE:

1. THE NEW WATERMAIN MUST BE PLACED IN OPERATION BEFORE THE EXISTING MAIN IS REMOVED.





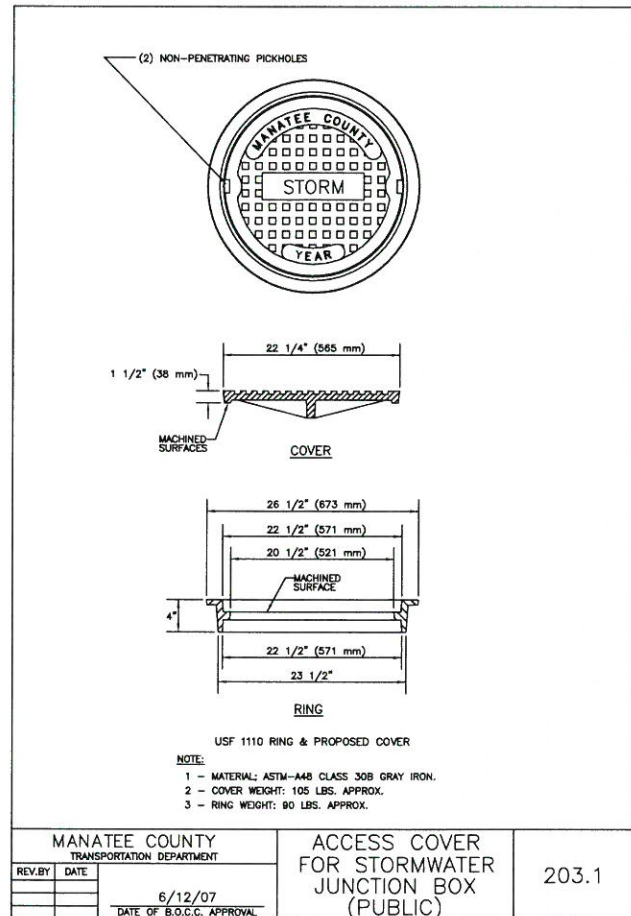
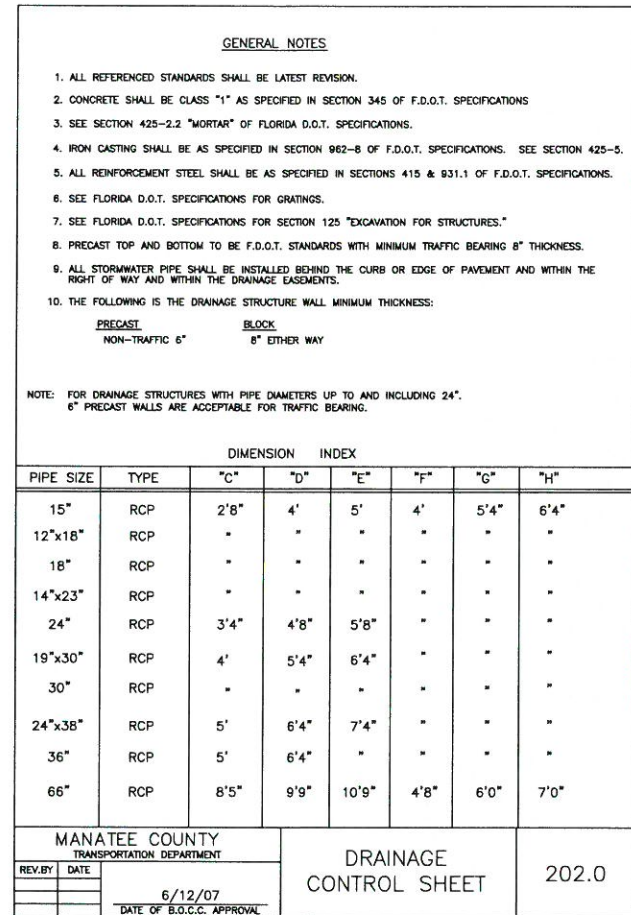
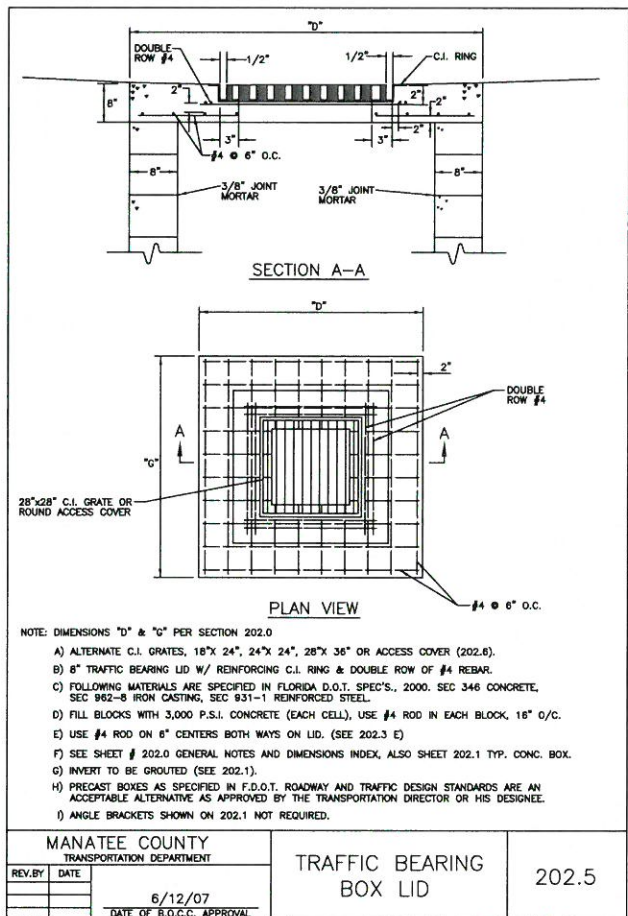
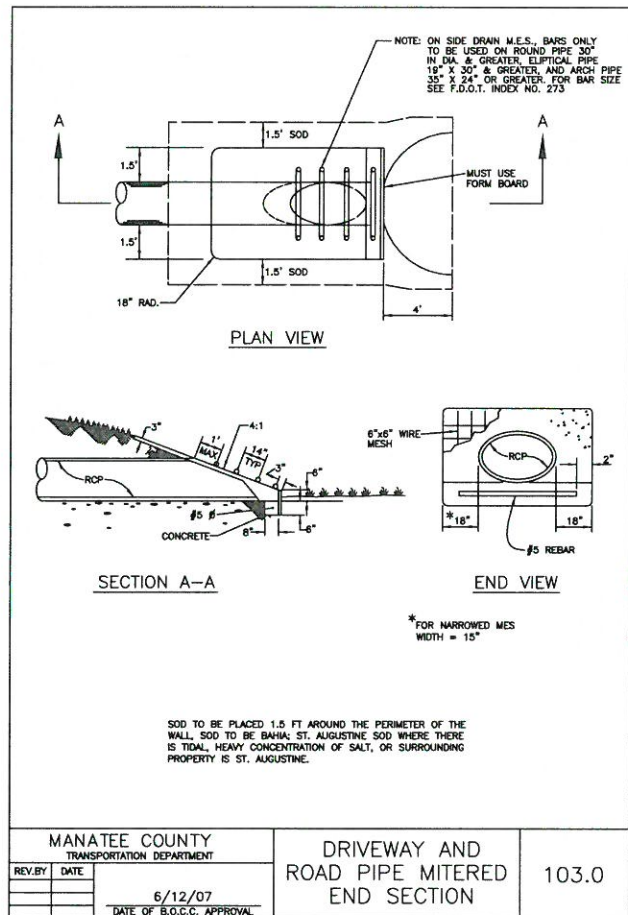
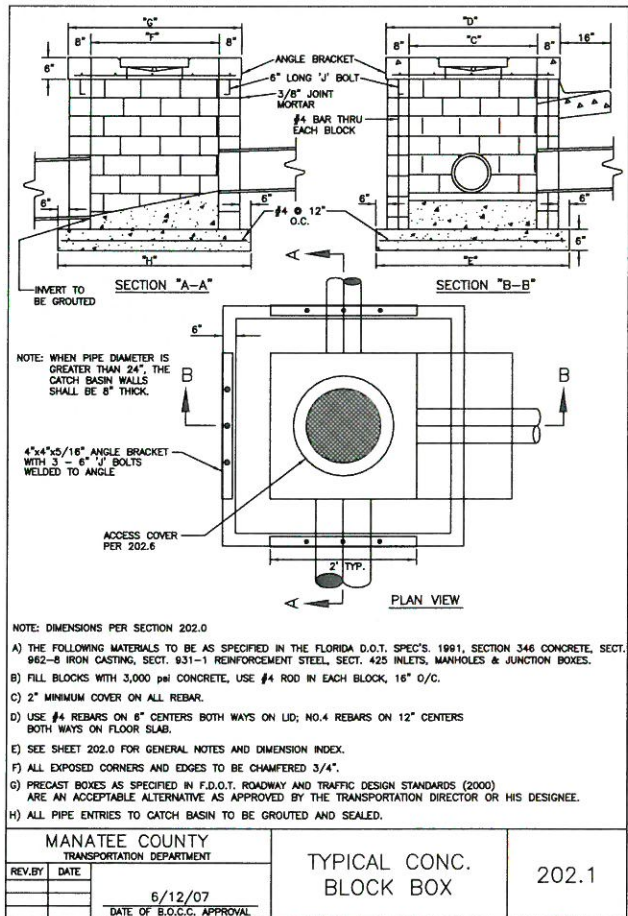
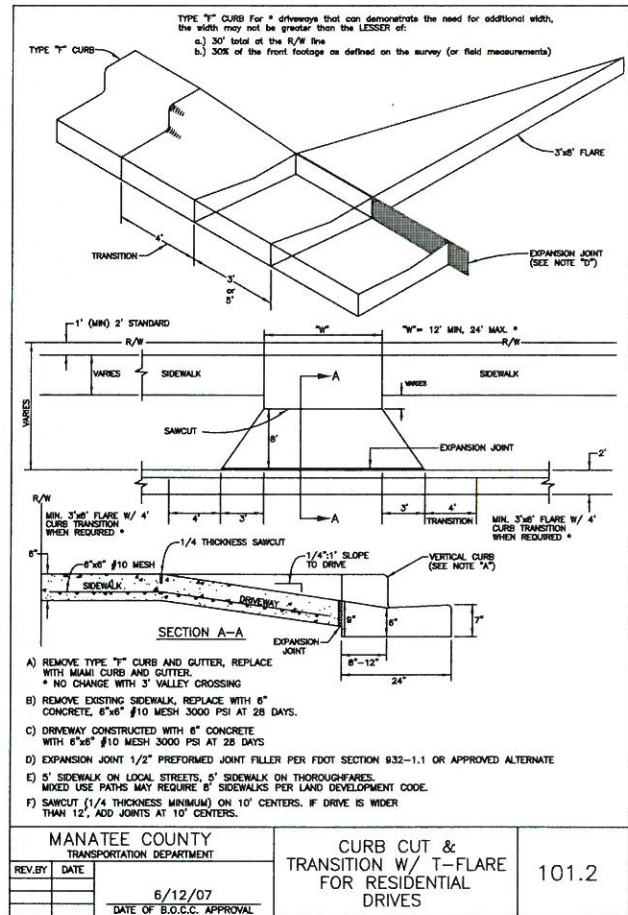
- | | |
|---|---|
|  | 6" BASE AND 1" MILL & RESURFACE
W/1" ASPHALT CONCRETE TYPE III |
|  | 1" MILL & RESURFACE W/1"
ASPHALT CONCRETE TYPE III |
|  | SOD |
|  | CONCRETE DRIVEWAY RESTORATION |

STORM & WATER IMPROVEMENTS

12th STREET EAST

PAVEMENT RESTORATION AND SODDING

[illegible]



STORM & WATER IMPROVEMENTS
12th STREET EAST
STORM WATER DETAILS

REVISION	DESCRIPTION	BY	DATE
NO.			
PROJECT #	5133970		
SURVEY #	14.061		
SEC./TWN./RGE	13/35/17		
SCALE	1"=20'		
	BY	DATE	
SURVEYED	MC	12/2013	
DESIGNED	JKP	06/2014	
DRAWN	JKP	08/2014	
CHECKED	MS	08/2014	
JOHN K. PARI, P.E. FLORIDA P.E. # 96768 3/24/15 Signature & Date			
SHEET 09 OF 13			

WATER DETAILS



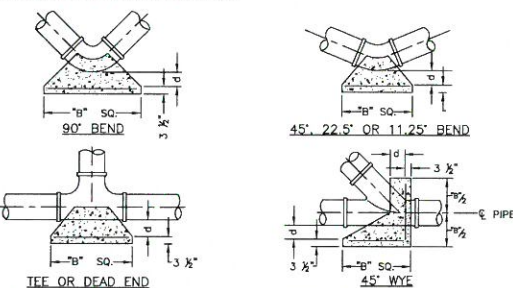
1. FOR TIE-IN VALVE, SEE DETAIL UW-4 FOR TAPPING SLEEVE VALVE, DETAIL UW-2 FOR GATE VALVE AND DETAIL UW-3 FOR BUTTERFLY VALVE.
2. CORPORATION STOP CONNECTIONS TO WATER MAINS SHALL BE AT A SUFFICIENT DISTANCE FROM NEW TAPPING SLEEVE & VALVE (TIE-IN VALVE). ALL CORPORATION STOP TAPS SHALL BE PLACED NO CLOSER THAN 30" OR A DISTANCE EQUAL TO (1) MAIN PIPE DIAMETER PLUS (2) MAIN PIPE DIAMETERS (WHICHEVER IS LARGED) FROM THE NEW TIE-IN VALVE (TAPPING VALVE & SLEEVE). A CROSS MAY BE INSTALLED IF THE EXISTING WATER MAIN IS NOT LARGER THAN THE NEW WATER MAIN.
3. IF THE EXISTING WATER MAIN IS LOCATED UNDER PAVEMENT OR CLOSE TO THE ROADWAY, BOTH JUMPER CORPORATION STOPS MAY CONNECT TO THE NEW WATER MAIN LOCATED UNDER THE ROADWAY. THE JUMPER CORPORATION STOP OR CORP ONLY VALVE SHALL BE INSTALLED AND THE VALVE MAY BE LOCATED AT THE ROW LINE. PIPING AND APPURTENANCES BETWEEN THE EXISTING MAIN AND ISOLATION VALVE AND JUMPER SHALL BE DISINFECTED BY SPRAYING OR SWABING.
4. BACKFLOW PREVENTER SHALL BE STRUCTURALLY SUPPORTED.
5. SEE DETAIL UW-22 FOR ADDITIONAL JUMPER CONNECTION NOTES.

1. A temporary jumper connection is required at all connections between existing active potable water mains and proposed new water main improvements with the following exceptions:
 - A. Projects that include a permanent backflow preventer at the right-of-way which is adjacent to the existing water main;
 - B. Projects that include new water mains that are less than or equal to 18 linear feet in length; or
 - C. Other proposed cases that are approved by Maricopa County and the construction divisions specify state that a temporary jumper connection is not required.
2. A temporary jumper shall be used and be connected to an approved potable water source (e.g., existing fire hydrant, existing main, existing service tap or tank truck, etc.) as shown in the standard temporary jumper detail UW-21. A temporary jumper shall be used for lifting any new water main of any size, for flushing of new mains up to 6 inches in diameter (3.0 gpm/jumper length), preflushing, preflushing 3.5 gpm/jumper length, or for flushing of new mains of any size. Water mains with a pipe diameter greater than or equal to 6 inches shall be pigged in lieu of preliminary flushing. The jumper connection shall be maintained until after the final flushing, testing and disinfection of the new main has been successfully completed and clearance for use from the Florida Department of Environmental Protection (FDEP) or the Florida Department of Health (FDOH) has been obtained.
3. Locations and orientation of jumpers associated with connections to existing water mains that are located under the roadway pavement shall be approved on a case-by-case basis.
4. Pipe and fittings used for connecting the new pipe to the existing pipe shall be disinfected prior to installation in accordance with AWWA C651, latest edition. Unless approved otherwise, the tapping sleeve, and exterior of the existing main to be tapped shall be within 10 feet of the existing main. The tapping sleeve of the jumper detail UW-21 shall be disinfected by spraying or swabbing per Section 4.6 of AWWA C651. Unless approved otherwise, the remainder of the new main shall be disinfected in accordance with Section 4.4.3.3 of AWWA C651. The use of tablets is prohibited.
5. A separate and successful hydrostatic test on the new system shall occur between the tie-in valve and the closest downstream gate valve or butterfly valve before performing a hydrostatic test on the remainder of the newly constructed water main. The tie-in valve and the closest downstream gate valve or butterfly valve shall be closed during the hydrostatic test of the remainder of the newly constructed water main.
6. The jumper shall include a flow meter to ensure that the flow from the supply source is at a constant measured rate while chlorinating the new main. The chlorine concentration shall be measured at regular intervals to ensure that it is fed at a constant rate of not less than 25 milligrams per gallon (mg/gal) of water.
7. After preliminary flushing (watermains with diameters less than 6 inches) and pigging (watermains with diameters greater than or equal to 6 inches) of the new water main, a minimum test concentration of 25 mg/gal of free chlorine is required. The chlorinated water shall be retained in the main for at least 24 hours and all portions of the main shall have a residual of not less than 10 mg/gal of free chlorine at the end of this 24-hour period. The Contractor should provide the Inspector with evidence that the predetermined chlorine residual has been achieved. Final flushing of the mains shall occur prior to performing bacteriological evaluations and the total chlorine residual in the mains shall be no more than 4.0 mg/L in any bacteriological sample. If the chlorine residual exceeds 4.0 mg/L, a sample shall be obtained at the next clock reading upstream of the backflow preventer, to ensure that the total chlorine residual of the new main does not exceed the residual in the existing system.
8. The jumper connection shall also be used to maintain a minimum pressure of 20 psi in the new mains continuously after disinfection and until FDEP/FDOH clearance letter is obtained.
9. All temporary backflow devices or "jumpers" utilized during pipeline construction must show certification that they have been tested according to the Florida Building Code, Plumbing Section, Chapter 3, Section 312.9.1, 312.9.2, Chapter 6, Section 602.01 and FDEP Section 612.05. Annual certification must be valid at time of installation and provided to the Maricopa County Inspector upon request.
10. Except as required to flush lines greater than 6 inches in diameter, the lockable tie-in valve shall remain closed and shall be locked in the closed position by Maricopa County. The tie-in valve shall remain closed and locked until the new system has been flushed for use or until the FDEP/FDOH clearance letter has been received.
11. After receipt of clearance for use by FDEP/FDOH, Maricopa County, and all other pertinent agencies, the Contractor shall remove the temporary jumper connection. The corrosion stops are to be closed and plugged with 2-inch brass or PVC stops.
12. All installation and maintenance responsibilities for the jumper connection and associated backflow prevention device, flow meter, tapping valves, etc., shall be the responsibility of the Contractor.
13. If the water main to receive final flushing is greater than 6 inches in diameter or such length that a full pipe flush at the minimum velocity cannot be accomplished, the following procedure shall be utilized:
 - A. Check the pressure on the upstream side of the jumper to ensure that there is adequate pressure on the existing system.
 - B. Open downstream valves in the new system prior to flush.
 - C. Partially open the tie-in valve and maintain a lower pressure on the downstream side of the jumper than the pressure on the upstream side of the jumper while flushing/pigging the new water main.
 - D. Maricopa County personnel shall operate the tie-in valve to ensure that a pressure differential is maintained.
 - E. Close tie-in valve and then close all downstream valves with the exception of the tie-in valve.
 - F. The tie-in valve shall remain closed if the potable water source is a tank truck.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT		TEMPORARY JUMPER CONNECTION NOTES	UW-22
REV. BY	DATE		
JMA/JEA	02/09		
MARCH 17, 2009 DATE OF APPROVAL			

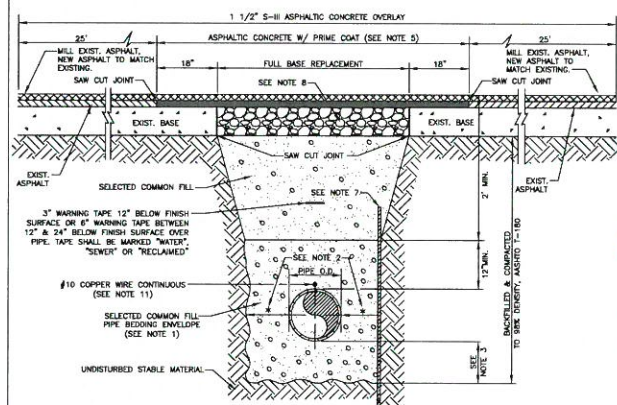
THRUST BLOCK DIMENSIONS B ft. x d inches												
PIPE SIZE (IN.)	90°BEND		45°BEND		22.5°BEND		11.25°BEND		DEAD END TEE		45° WYE	
	B	d	B	d	B	d	B	d	B	d		
4	1.5	3 ½	1.1	3 ½	0.8	3 ½	0.6	3 ½	1.3	3 ½	1.1	3 ½
6	2.2	5 ½	1.6	3 ¾	1.2	3 ½	0.8	3 ½	1.9	4 ½	1.6	3 ¾
8	2.9	7	2.1	5	1.5	3 ½	1.1	3 ½	2.4	5 ½	2.0	4
10	3.5	8 ½	2.6	6 ¾	1.9	4 ½	1.3	3 ½	3.0	7 ½	2.5	6
12	4.2	10	3.1	7 ½	2.2	5 ½	1.6	3 ¾	3.5	8 ½	3.0	7 ½
14	4.9	11 ¾	3.6	8 ¾	2.6	6 ¾	1.8	4 ½	4.1	9 ½	3.4	8 ¾
16	5.5	13 ¾	4.1	9 ¾	2.9	7	2.1	5	4.7	11 ¾	3.9	9 ¾
18	6.2	15	4.6	11	3.3	8	2.3	5 ½	5.2	12 ¾	4.4	10 ¾
20	6.9	16 ½	5.0	12	3.6	8 ½	2.6	6	5.8	14	4.9	11 ½
24	8.2	19 ¾	6.0	14 ½	4.3	10 ½	3.1	7 ½	6.9	16 ½	5.8	14
30	10.1	24 ¾	7.5	18 ½	5.3	12 ¾	3.8	9	8.5	20 ½	7.2	17 ½
36	12.1	29	8.9	21 ¾	6.4	15 ½	4.5	10 ½	10.2	24 ¾	8.6	20 ¾

1. ALL THRUST BLOCKS SHALL BE CAST IN PLACE. FITTINGS ADJACENT TO THRUST BLOCKS SHALL BE WRAPPED IN POLYETHYLENE.
2. THIS TABLE IS BASED ON WATER PRESSURE=180 PSI WITH AN ALLOWABLE SOIL BEARING PRESSURE=2000 PSF, CONCRETE STRENGTH f_c =3000 PSI, REINFORCEMENT f_y =60,000 PSI. THRUST BLOCK SHALL BE CAST AGAINST FIRM UNDISTURBED SOIL.
3. FOR LARGER "B" DIMENSIONS IT IS NECESSARY TO CHECK THAT PIPE IS SUFFICIENTLY DEEP TO ALLOW 15" MIN. SOIL COVER OVER TOP EDGE OF THRUST BLOCK.
4. RESTRAINED JOINTS MAY BE USED IN LIEU OF CHECK BLOCKS TO SAVE SPACE. THRUST BLOCKS SHALL BE USED IN SITUATIONS WHERE THRUST BLOCKS AND RESTRAINED JOINTS ARE BOTH REQUIRED.



MANATEE COUNTY PUBLIC WORKS DEPARTMENT		CONCRETE THRUST BLOCKS	UG-7
REV. BY CLB/BR	DATE 11/10		
MAY 10, 2011 DATE OF APPROVAL			

- NOTES:
1. USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. PROVIDE ADEQUATE CLEARANCE TO PLACE AND COMPACT STAGE 1 BEDDING MATERIAL IN TRENCH AND BELOW PIPE SPRINGLINE. PIPE EMBEDMENT MUST BE COMPACTED OUT TO THE TRENCH WALL OR 2.5 TIMES THE PIPE OD, WHICHEVER IS LESS.
3. TYPICALLY 4" TO 6".
4. PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
5. ASPHALTIC CONCRETE STRUCTURE COURSE WITH PRIME COAT SHALL BE THE SAME DEPTH AND TYPE AS EXISTING OR A MINIMUM OF 1 1/4 INCH, WHICHEVER IS GREATER.
6. MILL 25" BACK FROM TRENCH SAW CUT. ADJUST MILLING PER INDIVIDUAL SITE, DO NOT IMPACT BASE BUT JOINT TO EXIST ASPHALT. FINAL OVERLAY LIMITS ARE FROM EDGE OF PAVEMENT TO EDGE OF PAVEMENT. FINAL OVERLAY TO MATCH EXISTING WITH NO DISCREPANCY "BUMP" AT JOINT. MILLING LIMITS THAT IMPACT INTERSECTION SHALL BE ADDRESSED ON A CASE BY CASE BASIS AND APPROVED BY MANATEE COUNTY.
7. SHEETING ORDERED LEFT IN PLACE TO BE CUT OFF 24" BELOW FINISHED GRADE OR 12" BELOW SUBGRADE.
8. BASE SHALL BE 8" MINIMUM THICKNESS CRUSHED CONCRETE.
9. TEMPORARY PATCHES WILL BE INSTALLED TO PROVIDE A SMOOTH ALL WEATHER SURFACE AT ALL TIMES, PERMANENT REPLACEMENT TO BE MADE AS SOON AS POSSIBLE.
10. RESTORE SIGNAGE & MARKING WITH THERMOPLASTIC PER FDOT STANDARDS, LATEST EDITION.
11. TRACER WIRE NOT REQUIRED FOR GRAVITY SEWERS.
12. NOTES 5, THRU 10, ARE MINIMUM REQUIREMENTS FOR A TRENCH IN A ROAD. REFER TO LATEST EDITION OF MANATEE COUNTY HIGHWAY AND TRAFFIC STANDARDS FOR ADDITIONAL REQUIREMENTS.



MANATEE COUNTY PUBLIC WORKS DEPARTMENT		TRENCH WITH ASPHALT PAVEMENT SURFACE TYPE A-1 PIPE BEDDING	UG-12
REV. BY WRT/KE	DATE 03/11		
MAY 10, 2011 DATE OF APPROVAL			

[illegible][illegible]

NOTE:

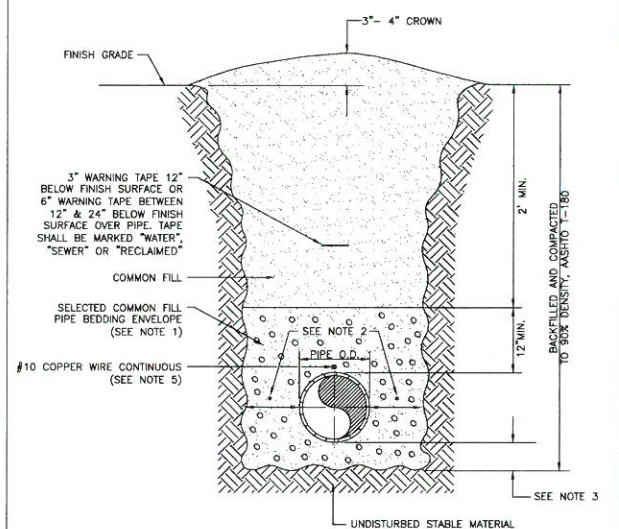
SEE RESTRAINED LENGTHS FOR PVC PIPE DETAIL FOR NOTES 1 THROUGH 8 THAT ARE ALSO APPLICABLE TO RESTRAINED LENGTHS FOR DIP.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT		RESTRAINED LENGTHS FOR DIP	UG-9
REV. BY CLB/BR	DATE 11/10 MAY 10, 2011 DATE OF REVISION		

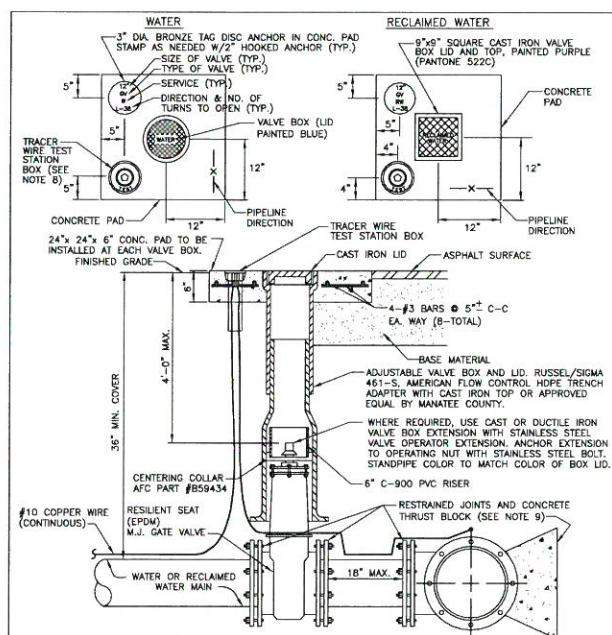


- NOTES:

1. USE OF TYPE A-2 AND A-3 PIPE BEDDING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
2. PROVIDE ADEQUATE CLEARANCE TO PLACE AND COMPACT STAGE 1 BEDDING MATERIAL IN TRENCH AREA BELOW PIPE SPRINGLINE. PIPE EMBEDMENT MUST BE COMPACTED OUT TO THE TRENCH WALL OR 2.5 TIMES THE PIPE OD, WHICHEVER IS LESS.
3. TYPICALLY 4" TO 6".
4. PIPE INSTALLATION SHALL BE IN ACCORDANCE WITH THE MANUFACTURER'S WRITTEN INSTRUCTIONS.
5. TRACER WIRE NOT REQUIRED FOR GRAVITY SEWERS.



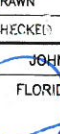
MANATEE COUNTY PUBLIC WORKS DEPARTMENT		TRENCH WITH UNIMPROVED SURFACE TYPE A-1 PIPE BEDDING	UG-11
REV. BY	DATE		
WRT/KE	03/11		
MAY 10, 2011 DATE OF APPROVAL		PAGE 111	



- NOTES:

- 1 "WY" OR "RW" TO BE IMBEDDED INTO THE NEWLY-POURED CONCRETE CURB, ALONG WITH FIVE FEET TO THE
 2 "WY" OR "RW" TO BE IMBEDDED INTO THE NEWLY-POURED CONCRETE CURB, ALONG WITH FIVE FEET TO THE
 3 "WY" OR "RW" TO BE IMBEDDED INTO THE NEWLY-POURED CONCRETE CURB, ALONG WITH FIVE FEET TO THE
 4 "WY" OR "RW" TO BE IMBEDDED INTO THE NEWLY-POURED CONCRETE CURB, ALONG WITH FIVE FEET TO THE
 5 ALL EXISTING AND PROPOSED VALE BOXES SHALL BE ADJUSTED TO FINISHED GRADES AS DETERMINED IN THE FIELD.
 6 ALL EXISTING AND PROPOSED VALE BOXES SHALL BE ADJUSTED TO FINISHED GRADES AS DETERMINED IN THE FIELD.
 7 ALL EXISTING AND PROPOSED VALE BOXES SHALL BE ADJUSTED TO FINISHED GRADES AS DETERMINED IN THE FIELD.
 8 ALL EXISTING AND PROPOSED VALE BOXES SHALL BE ADJUSTED TO FINISHED GRADES AS DETERMINED IN THE FIELD.
 9 PRECAST CONCRETE PADS & THURST BOXES SHALL NOT BE USED.
 10 PRECAST CONCRETE PADS & THURST BOXES SHALL NOT BE USED.
 11 EXPANDED GRADES OF CONCRETE SHALL BE USED.
 12 EXPANDED GRADES OF CONCRETE SHALL BE USED.
 13 FOR VALES 18" AND LARGER, USE BUTTERFLY VALVES.
 14 FOR VALES 18" AND LARGER, USE BUTTERFLY VALVES.
 15 TRACER WIRE TEST STATION BOX IS NOT REQUIRED IN VALE BOX PAD IF THE GATE VALVE IS LOCATED WITHIN 200
 16 TRACER WIRE TEST STATION BOX IS NOT REQUIRED IN VALE BOX PAD IF THE GATE VALVE IS LOCATED WITHIN 200
 17 TRACER WIRE TEST STATION BOX IS NOT REQUIRED IN VALE BOX PAD IF THE GATE VALVE IS LOCATED WITHIN 200
 18 TRACER WIRE TEST STATION BOX IS NOT REQUIRED IN VALE BOX PAD IF THE GATE VALVE IS LOCATED WITHIN 200
 19 BINGHAM & TAYLOR PUMPING FOR NORMAL TOWN SERVICE. WHERE VALVE WILL BE IN STREET OR PARKING UNDER VEH
 20 BINGHAM & TAYLOR PUMPING FOR NORMAL TOWN SERVICE. WHERE VALVE WILL BE IN STREET OR PARKING UNDER VEH

MANATEE COUNTY PUBLIC WORKS DEPARTMENT		GATE VALVE, BOX, LID AND TAG	UW-2
REV. BY	DATE		
CLB/KE	11/10		
MAY 10, 2011 DATE OF APPROVAL			

NO.		REVISION DESCRIPTION		BY	DATE
PROJECT #		5133970			
SURVEY #		14.061			
SEC./TWN./RGE		13/35/17			
SCALE		1"=20'			
		BY	DATE		
SURVEYED		MC	12/2013		
DESIGNED		JKP	06/2014		
DRAWN		JKP	08/2014		
CHECKED		MS	08/2014		
JOHN K. PARI, P.E. FLORIDA P.E. # 56366  3/24/15 Signature & Date					

[illegible]

	BY	DATE
SURVEYED	MC	12/2013
DESIGNED	JKP	06/2014
DRAWN	JKP	08/2014
CHECKED	MS	08/2014

SHEET 11 OF 13



1. BACKFLOW PREVENTER MUST BE INSTALLED IMMEDIATELY DOWNSTREAM OF METER, AS SHOWN ABOVE
2. COPPER PIPE TYPE "K" OR BRASS PIPE MINIMUM SCHEDULE 40 SHALL BE USED TO A MINIMUM DEPTH OF 12" BELOW GRADE.
3. PIPES PASSING THROUGH OR ENCASED IN CONCRETE MUST BE PROPERLY PROTECTED AND SLEEVED.
4. THE SYSTEM MUST MEET ALL REQUIREMENTS OF THE FLORIDA PLUMBING CODE (LATEST EDITION) AND THE MANATEE COUNTY BACKFLOW PREVENTION ORDINANCE (LATEST EDITION).
5. ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1/2".
6. BACKFLOW PREVENTER SHALL BE TESTED AT THE TIME OF INSTALLATION.
7. PRESSURE REDUCING VALVE REQUIRED UPSTREAM OF BACKFLOW IF SYSTEM PRESSURE EXCEEDS 80 PSI.
8. 3" MINIMUM CLEARANCE FROM LANDSCAPING PLANTS TO EDGE OF CONCRETE SLAB AND CLEAR OPENING FOR ACCESS FROM STREET.
9. IN ADDITION TO THE PRV, THE BUILDING DEPT. MAY REQUIRE AN APPROVED DEVICE FOR THERMAL EXPANSION CONTROL.
10. REFER TO DETAIL WATER METER & BACKFLOW PREVENTER FOR LIFT STATIONS FOR WATER SERVICE AT SEWAGE PUMPING STATION.

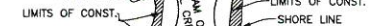
NOTES:

1. ALL SERVICE TAPS TO BE SPECATED IN THE FIELD. TAPS SHALL BE NO CLOSER THAN 2'-0" STAGGERED INTERVALS OR WITHIN 2'-0" FROM BELL OR SPIGOT ENDS.
2. WATER VALVES & REGISTERS ARE TO BE INSTALLED BY THE INFRASTRUCTURE CONTRACTOR AND SHALL NOT BE SET IN DRAINAGE SWALES, SIDEWALKS OR DRIVEWAYS.
3. "WM" OR "WMV" TO BE IMPRESSED INTO THE NEWLY POURED CONCRETE CURB AROUND WITH DISTANCE IN FEET TO THE METER. IF NO CURB, INSTALL A PLAIN DISC WITH "WM" OR A PURPLE DISC WITH "WMV" AND A 1/8"x 1" GALVANIZED STEEL SCREW IN THE EDGE OF PAVEMENT WITH THE DISTANCE (IN FEET) FROM THE DISC TO THE METER.
4. #10 COPPER WIRE SHALL BE INSTALLED WITH WATER AND RECLAIMED MAIN AND ALL SERVICES. SERVICE WIRE SHALL BE CONNECTED TO THE TRENCH WIRE ALONG THE MAIN.
5. WATER AND RECLAIMED WATER SERVICE LINES TO BE 1" MINIMUM FROM SEWER SERVICE PIPES.
6. FOR 2" SERVICES REPLACE CORPORATION STOP WITH 2" RESILIENT WEDGE PIP GATE VALVE W/BOX, LID & TAG.
7. WHEN THE DISTANCE BETWEEN THE EDGE OF THE SIDEWALK AND THE ROW IS ONE FOOT (30" OR LESS) S.W./E.D.S.A. A 10-FOOT-WIDE PUBLIC UTILITY EASEMENT SHALL BE LOCATED IN THE FRONT OF THE LOTS, ADJACENT TO THE ROW.
8. FOR HOPE MAINS, USE ROMAC 306H 55 OR CENTRAL PLASTICS ELECTRO FUSION CORP SADDLE.

MANATEE COUNTY PUBLIC WORKS DEPARTMENT		TYPICAL SERVICE CONNECTION	UW-19
REV. BY	DATE		
CLB/BR	11/10		
MAY 10, 2011 DATE OF APPROVAL			

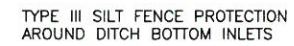


TYPICAL SILT FENCE
FIGURE 2



NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

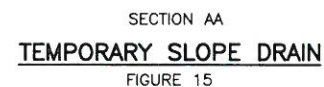
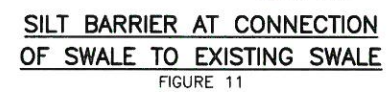
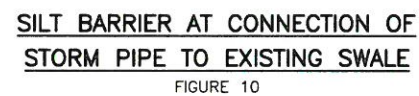
TURBIDITY BARRIERS
FIGURE 4



STAKED SILT BARRIER OR SILT FENCE
PROTECTION AROUND DITCH BOTTOM INLETS
FIGURE 8



SYNTHETIC BALE PROTECTION AROUND INLETS OR SIMILAR STRUCTURES

[illegible]

JOHN K. PARI, P.E.
FLORIDA P.E. # 56368
John K. Pari
3/24/15
Signature & Date