

**INVITATION TO BID**

City of Fort Walton Beach, Florida
Purchasing Division
105 Miracle Strip Pkwy SW
Fort Walton Beach, Florida 32548
Telephone: (850) 833-9523
Fax: (850) 833-9643
Website: <http://www.fwb.org>

ISSUE DATE: Jan. 27, 2022

BID NO: ITB 22-006

OPENING DATE: Feb. 24, 2022

OPENING TIME: 2:30 PM CST

BID REQUESTED:**PARKING LOT IMPROVEMENTS – 164-166 MSP SW (FWB, FL)**

The City of Fort Walton Beach, FL invites bids for ITB#22-006: PARKING LOT IMPROVEMENTS – 164-166 Miracle Strip Pkwy SW (FWB, FL). Bids will be opened and publicly read aloud at City Hall Annex, Training Room, City of Fort Walton Beach, 105 Miracle Strip Parkway SW, Fort Walton Beach, Florida at 2:30 PM (local Central time) on February 24, 2022.

Bids must be SUBMITTED ON THE FORMS FURNISHED BY THE CITY and in accordance with specifications and the list of quantities desired.

Respondents are advised that from the date of release of this solicitation until award of the contract, **no contact with City personnel related to this solicitation is permitted. All communications are to be directed to the Purchasing Representative and sole contact listed below.**

It is the intent and purpose of the City of Fort Walton Beach that this Invitation to Bid promotes competitive bidding. It shall be the bidder's responsibility to advise the Purchasing Division at the address noted in the Special Conditions, if any language, requirements, etc. or any combination thereof, inadvertently restricts or limits the requirements stated in this Invitation to Bid to a single source. Such notification must be submitted in writing and must be received by the Purchasing Division no later than ten (10) days prior to the bid opening date.

Sincerely,

Giuliana Scott
Purchasing Manager
City of Fort Walton Beach, FL

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SECTION 1 – INSTRUCTIONS FOR SUBMITTING BID RESPONSE FOR ITB 22-006:

1.1 Bidders are expected to examine this bid form and all instructions. Failure to do so will be at the bidder’s risk.

1.2 All prices and notations must be in ink or typewritten. No erasures are permitted. Mistakes may be crossed out and corrections typed adjacent and must be initialed and dated in ink by person signing bid. All bids must be signed with the firm name and by a responsible officer or employee.

1.3 Each bidder shall furnish all the information required on the bid form and each accompanying sheet on which he/she makes an entry.

1.4 Unit price for each unit bid shall be shown. A total shall be entered in the amount column for each item bid. In case of discrepancy between a unit price and extended price, the unit prices will be presumed to be correct. Failure to show unit prices may render bid as non-responsive.

1.5 Although the City generally awards bids based on a “lump sum” basis to the bidder submitting the lowest responsive and responsible total bid as shown on the Invitation to bid cover sheet, the City may choose to award on a “per group” or “per item” basis. Therefore, bidders must submit with their bids, all pricing pages on the forms provided, clearly indicating which items are bid and which are not. Failure to submit these pages will render such bid non-responsive.

1.6 The City of Fort Walton Beach adheres to the Americans with Disabilities Act and will make reasonable accommodations for access to this meeting by a physically handicapped person upon notice 48 hours prior to the meeting. Please call the City Clerk, Kim M. Barnes, at 850-833-9509 or e-mail at clerk@fwb.org to make a request. For Hearing Impaired the TDD line that is honored throughout the United States is the Telecommunications Relay Service (TRS) and can be reached by dialing 711. Below is a link with the details: https://www.fcc.gov/sites/default/files/telecommunications_relay_service.pdf

1.7 – FORMS – DO NOT SUBSTITUTE FOR OTHER FORMATS; USE BID FORMS ONLY.

BID CHECKLIST: Remember to include all required forms including:

- _____ Invitation to Bid Cover Sheet with Total Amount of Bid Stated on It
- _____ Signed Bidder’s Certification Page
- _____ Addendum Page
- _____ References Completed
- _____ Drug Free Workplace Form
- _____ Public Entities Crime Form
- _____ Lobbying Cert Form; Anti-Collusion Form & Federal E-Verify Form
- _____ Price Schedule, Unit Price and Total Price Columns Completed
- _____ Bid Envelope Prepared as Specified
- N/A Bid Bond

SPECIAL ITEMS (APPLICABLE TO THIS BID ONLY):

- XX Insurance (See Special Conditions)
- XX Exceptions to Specifications on company letterhead (See General Conditions 2.7/2.8)
- N/A Product Specifications (See General Conditions)

NOTE: PLEASE ENSURE THAT ALL DOCUMENTS ARE COMPLETED AND SUBMITTED WITH YOUR BID IN ACCORDANCE WITH THIS INSTRUCTION SHEET. FAILURE TO DO SO MAY RESULT IN YOUR BID NOT BEING CONSIDERED FOR AWARD.

1.7.1

COVER SHEET

ITB TITLE: FUEL TANK REPLACEMENT - PS1 (FWB, FL)

ISSUE DATE: Jan. 27, 2022

BID NO: ITB 22-006

This completed form must appear as the top sheet for all bids submitted.

NO BID BOND REQUIRED FOR THIS BID.

Total Amount of bid or Base bid \$ _____

INDICATE METHOD OF BID BOND FURNISHED BELOW

Amount of bid Bond (5% of base bid) \$ N/A

Amount of Cashier's Check (5% of base bid) \$ N/A

Amount of Certified Check (5% of base bid) \$ N/A

All Items bid? Yes ___ No ___

Exceptions included on Company letterhead with technical literature? Yes ___ No ___

Submitted by:

NAME OF BUSINESS

BY: _____
SIGNATURE

MAILING ADDRESS

NAME & TITLE (type or print)

CITY, STATE, ZIP CODE

EMAIL ADDRESS

() _____
TELEPHONE NUMBER

() _____
FAX NUMBER

1.7.2 BIDDER’S CERTIFICATION – ITB 22-006

I have carefully examined the Invitation to bid, Instructions to bidders, General and Special Conditions, Vendor’s Notes, Specifications, proposed agreement and any other documents accompanying or made a part of this Invitation.

I hereby propose to furnish the goods or services specified in the Invitation at the prices or rates quoted in my bid. I agree that my bid will remain firm for a period of up to ninety (90) days in order to allow the City adequate time to evaluate the bids.

I certify that all information contained in this bid is truthful to the best of my knowledge and belief. I further certify that I am duly authorized to submit this bid on behalf of the vendor/contractor as its act and deed and that the vendor/contractor is ready, willing and able to perform if awarded the bid.

I further certify that this bid is made without prior understanding, agreement, connection, discussion, or collusion with any other person, firm or corporation submitting a bid for the same product or service; no officer, employee or agent of the City of Fort Walton Beach or of any other bidder interested in said bid; and that the undersigned executed this bidder’s Certification with full knowledge and understanding of the matters therein contained and was duly authorized to do so.

NAME OF BUSINESS

BY: _____
Signature

NAME & TITLE (type or print)

MAILING ADDRESS

CITY, STATE, ZIP CODE

() _____
TELEPHONE NUMBER

() _____
FAX NUMBER

EMAIL ADDRESS

DATE

1.7.3

ADDENDUM PAGE – ITB 22-006

The undersigned acknowledges receipt of the following addenda to the Documents (Give number and date of each):

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

Addendum No. _____ Dated _____

FAILURE TO SUBMIT ACKNOWLEDGMENT OF ANY ADDENDUM THAT AFFECTS THE BID PRICES IS CONSIDERED A MAJOR IRREGULARITY AND WILL BE CAUSE FOR REJECTION OF THE BID.

NAME OF BUSINESS

BY: _____
Signature

NAME & TITLE (type or print)

MAILING ADDRESS

CITY, STATE, ZIP CODE

(_____) _____
TELEPHONE NUMBER

(_____) _____
FAX NUMBER

DATE

1.7.4

REFERENCES – ITB 22-006

NOTE: Bidder shall submit as a part of the bid package, four references, with the name of the business, address, contact person, and telephone number. **All references shall be for similar work that has been performed in Florida within the last four (4) years.**

REGARDING BIDDER / BIDDER:

Name:	Name:
Contact:	Contact:
Address:	Address:
Telephone:	Telephone:
Email address:	Email Address:
Name:	Name:
Contact:	Contact:
Address:	Address:
Telephone:	Telephone:
Email Address:	Email Address:

1.7.5

DRUG-FREE WORKPLACE FORM

The undersigned vendor, on _____, 2022, in accordance with Section 287.087, Florida Statutes, certifies that [business] _____ does:

- 1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
- 2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, employee assistance programs and the penalties that may be imposed upon employees for drug abuse violations.
- 3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in Paragraph 1.
- 4. In the statement specified in Paragraph 1, notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of Chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than five (5) days after such conviction.
- 5. Impose a sanction on, or require the satisfactory participation in a drug assistance or rehabilitation program if such is available in the employee's community, by any employee who is so convicted.
- 6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of Paragraphs 1 through 5.

Check one:

_____ As the person authorized to sign this statement, I certify that this firm complies fully with above requirements.

_____ As the person authorized to sign this statement, this firm does not comply fully with the above requirements.

NAME OF BUSINESS: _____

BY: _____
SIGNATURE

NAME & TITLE, TYPED OR PRINTED: _____

1.7.6 PUBLIC ENTITY CRIME FORM – ITB 22-006

SWORN STATEMENT UNDER SECTION 287.133 (3) (A) FLORIDA STATUTES, ON PUBLIC ENTITY CRIMES

THIS FORM MUST BE SIGNED IN THE PRESENCE OF A NOTARY PUBLIC OR OTHER OFFICER AUTHORIZED TO ADMINISTER OATHS.

This sworn statement is submitted with Proposal, Proposal or Contract # 22-006

This sworn statement is submitted by _____ whose business address is _____ and (if applicable) Federal Employer Identification Number (FEIN) is _____ (If the entity has no FEIN, include the Social Security Number of the individual signing this sworn statement).

My name is _____ and my relationship to the entity named above is _____.

I understand that a "public entity crime" as defined in Paragraph 287.133(a)(g), Florida Statutes, means a violation of any state or federal law by a person with respect to and directly related to the transaction of business with any public entity or with an agency or political subdivision of any other state or with the United States, including, but not limited to, any proposal or contract for goods or services to be provided to any public entity or any agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

I understand that "convicted" or "conviction" as defined in paragraph 287.133(a)(b), Florida Statutes, means finding of guilt or a conviction of a public entity crime with or without an adjudication of guilt, in any federal or state trial court of records relating to charges brought by indictment or information after July 1, 1989, as a result of a jury verdict, non-jury trial, or entry of a plea of guilty or nolo contendere.

I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means:

- A predecessor or successor of a person convicted of a public entity crime (or)
- An entity under the control of any natural person who is active in the management of the entity and who has been convicted of a public entity crime. The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of an affiliate. The ownership by one of shares constituting a controlling income among persons when not for fair interest in another person, or a pooling of equipment or income among persons when not for fair market value under a length agreement, shall be a prima facie case that one person controls another person. A person who was knowingly convicted of a public entity crime, in Florida during the preceding 36 months shall be considered an affiliate.

I understand that a "person" as defined in Paragraph 287.133(1)(e), Florida Statutes, means any natural person or entity organized under the laws of the state or of the United States with the

legal power to enter into a binding contract for provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with a public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.

Based on information and belief, the statement which I have marked below is true in relation to the entity submitting this sworn statement. (Please indicate which statement applies.)

_____ Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, nor affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989.

_____ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity or an affiliate of the entity has been charged with and convicted of a public entity crime subsequent to July 1, 1989. (Please attach a copy of the final order.)

_____ The person or affiliate was placed on the convicted vendor list. There has been a subsequent proceeding before a hearing officer of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer determined that it was in public interest to remove the person or affiliate from the convicted vendor list. (please attach a copy of the final order)

_____ The person or affiliate has not been placed on the convicted vendor list. (Please describe any action taken by, or pending with, the Department of General Services.)

(Signature)

(Date)

STATE OF: _____ COUNTY OF: _____

The foregoing instrument was acknowledged before me on the _____ day of _____, 2022 by means of ___ physical presence or ___ online notarization

by _____ and _____ in their representative
(Name of Person Acknowledging) (Name of Person Acknowledging)

capacity as _____ and _____ of the Operator, who
(TITLE) (TITLE)

_____ is personally known to me, or _____ has produced _____ as ID.
(TYPE OF IDENTIFICATION)

My Commission expires

Public Notary

1.7.7

LOBBYING CERTIFICATION FORM

LOBBYING - 31 U.S.C. 1352, 49 CFR Part 19, 49 CFR Part 20

APPENDIX A, 49 CFR PART 20--CERTIFICATION REGARDING LOBBYING

Certification for Contracts, Grants, Loans, and Cooperative Agreements

(To be submitted with each bid or offer exceeding \$100,000)

The undersigned [Bidder] certifies, to the best of his or her knowledge and belief, that:

1. No Federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of an agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any Federal contract, the making of any Federal grant, the making of any Federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any Federal contract, grant, loan, or cooperative agreement.

2. If any funds other than Federal appropriated funds have been paid or will be paid to any person for making lobbying contacts to an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this Federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form--LLL, "Disclosure Form to Report Lobbying," in accordance with its instructions [as amended by "Government wide Guidance for New Restrictions on Lobbying," 61 Fed. Reg. 1413 (1/19/96). Note: Language in paragraph (2) herein has been modified in accordance with Section 10 of the Lobbying Disclosure Act of 1995 (P.L. 104-65, to be codified at 2 U.S.C. 1601, *et seq.*)]

3. The undersigned shall require that the language of this certification be included in the award documents for all subawards at all tiers (including subcontracts, subgrants, and contracts under grants, loans, and cooperative agreements) and that all subrecipients shall certify and disclose accordingly.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by 31, U.S.C. § 1352 (as amended by the Lobbying Disclosure Act of 1995). Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

[Note: Pursuant to 31 U.S.C. § 1352(c)(1) -(2)(A), any person who makes a prohibited expenditure or fails to file or amend a required certification or disclosure form shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such expenditure or failure.]

The Bidder, _____, certifies or affirms the truthfulness and accuracy of each statement of its certification and disclosure, if any. In addition, the Bidder understands and agrees that the provisions of 31 U.S.C. A 3801, *et seq.*, apply to this certification and disclosure, if any.

_____ Signature of Bidder’s Authorized Official

_____ Name and Title of Bidder’s Authorized Official

_____ Date

1.7.8

ANTI-COLLUSION STATEMENT

ANTI-COLLUSION STATEMENT: The below signed bidder has not divulged to, discussed or compared his or her bid with other bidders and has not colluded with any other bidder or parties to bid whatever. (Note: No premiums, rebates, or gratuities permitted either with, prior to, or after any delivery of materials. Any such violation will result in the cancellation and/or return of material (as applicable) and the removal from bid list(s).

Bidder's Company Name

Authorized Signature – Manual

Authorized Signature – Typed

Address

Title

Phone #

Fax #

Federal ID # or SS #

1.7.9 FEDERAL E-VERIFY COMPLIANCE CERTIFICATION

In accordance with Executive Order Number 11-116 from the Office of the Governor of the State of Florida, Bidder hereby certifies that the U.S. Department of Homeland Security’s E-Verify system will be used to verify the employment eligibility of all new employees hired by the respondent during the contract term, and shall expressly require any subcontractors performing work or providing services pursuant to the contact to likewise utilize the U.S. Department of Homeland Securities E-Verify system to verify the employment eligibility of all new employees hired by the subcontractor during the contract term; and shall provide documentation such verification to the CITY upon request.

As the person authorized to sign this statement, I certify that this company complies/will comply fully with the above requirements.

DATE: _____

SIGNATURE: _____

COMPANY: _____

NAME: _____

ADDRESS: _____

TITLE: _____

E-MAIL: _____

PHONE NO.: _____

FAX NO.: _____

SECTION 2 - GENERAL CONDITIONS

2.1 **EXECUTION OF BID:** Bid must contain a manual signature of an authorized representative in the space provided. Florida law requires that when a municipality enters into a contractual agreement with a corporation licensed to do business in the State of Florida, such agreement shall be signed by two (2) Corporate Officials (i.e., President, Vice President, Secretary, Treasurer) with the corporate seal affixed. It also requires that such execution be acknowledged before a Notary Public with Notary Seal affixed. If neither the aforementioned corporate officers nor the corporate seal are readily available, a letter of authorization can be submitted in lieu of these requirements. Such letter of authorization must be on the corporate stationery, must clearly state that the person who signed the referenced agreement is duly authorized to enter into such agreement on behalf of the corporation and must be signed by the corporate officials designated above. Failure to submit letter of authorization within two (2) weeks after notification of award may result in award to the next apparent low bidder.

2.1.1 In the case of a partnership, the agreement must be signed by a general or managing partner and notarized as outlined above.

2.1.2 In the case of a sole proprietorship, the owner must sign the agreement and have such execution notarized.

2.1.3 If you have any questions regarding the execution of the signature page, please feel free to contact the Purchasing Division at (850) 833-9523 for further clarification.

2.2 **SUBMITTAL OF BIDS:** Bids shall be submitted utilizing the bid form(s) provided by the City. All bids shall be properly executed with all blank spaces filled in. The signatures of all persons signing shall be in longhand. Erasures, interlineations, or other corrections shall be authenticated by affixing in the margin immediately opposite the correction the initials of a person signing the bid. If the unit price and the total amount named by a bidder for any item are not in agreement the unit price alone shall be considered as representing the bidder's intention, and the totals shall be corrected.

2.3 **AMENDMENT OF THE INVITATION TO BID:** It is the bidder's responsibility to contact the Purchasing Division prior to submitting a bid to ascertain if any addenda have been issued, to obtain all such addenda, and return executed addenda with the bid (or complete and sign addenda acknowledgement form.) The failure of a bidder to submit acknowledgment of any addenda that affects the bid price(s), is considered a major irregularity and will be cause for rejection of the bid.

2.4 **BIDDER'S CERTIFICATION FORM:** Each bidder shall complete the "bidder's certification" form included with this invitation to bid, and submit the form with the bid. The failure of a bidder to submit this document will be cause for rejection of the bid.

2.5 **DRUG FREE WORKPLACE PREFERENCE:** Pursuant to § 287.087, Fla. Stat., the City must give preference to businesses that have implemented a drug-free workplace programs whenever two or more bids, proposals, or replies are equal in price, quality, and service. If your business has implemented a drug free workplace program, you must provide a copy of all documents, rules, policies and procedures adopted by your business that satisfy the requirements of § 287.087.

2.6 **PUBLIC ENTITY CRIMES FORM:** A person or affiliate, as defined in § 287.133, Fla. Stat., who has been placed on the convicted vendor list following a conviction for a public entity crime may not submit a bid on a contract to provide any goods or services to a public entity, may not submit a bid on a contract with a public entity for the construction or repair of a public building or public work, may not submit bids on leases of real property to a public entity, may not be awarded or perform work as a contractor, supplier, subcontractor, or consultant under a contract with any public entity, and may not transact business with any public entity in excess of the threshold amount provided in § 287.01, Fla. Stat., for Category Two, for a period of 36 months from the date of being placed on the convicted vendor list. By submitting a bid, you are certifying your company is in compliance with § 287.133, Fla. Stat.

2.7 **SPECIFICATIONS REQUIRED:** All items quoted must be in compliance with the specifications. If you are taking exception, indicate those exceptions on company letterhead and attach to this Invitation to Bid.

2.8 **ALTERNATIVES/SUBSTITUTIONS TO SPECIFICATIONS:** Any alternatives or substitutions to the attached specifications must be clearly delineated, set out and submitted with the bid (use separate sheets of paper and make them part of the bid).

2.9 **PRICES, TERMS, and PAYMENT:** All prices must be firm for the delivery schedule quoted in the specifications. Bids stipulating "Price in effect at time of shipment" or other similar conditions will be considered not responsive to the bid invitation and will not be accepted. All prices shall be quoted F.O.B. delivered to any City of Fort Walton Beach Department unless otherwise stipulated in the bid invitation. Bidder is requested to offer cash discount for prompt invoice payment. It is the policy of the City of Fort Walton Beach to make payments of invoices in time to earn any offered cash discounts. Discount time will be computed from the date of satisfactory delivery at place of acceptance or from receipt of correct invoice at the Finance Department office, whichever is later.

2.10 **DISCOUNTS:** Bidders may offer a cash discount for prompt payment; however, such discounts shall not be considered in determining the lowest net cost for bid evaluation purposes. Discount will be computed from the date of satisfactory delivery at place of acceptance or from receipt of correct invoice at the office specified, whichever is later.

2.11 **EFFECTIVE PERIOD:** Prices quoted in the bid must remain open for a period of ninety (90) days from the date of bid opening.

2.12 **QUESTIONS REGARDING SPECIFICATIONS OR BIDDING PROCESS:**

2.12.1 To ensure fair consideration for all bidders, the City prohibits communication to, or with any department, division or employee during the submission process, except as indicated in 2.12.4. Additionally, the City prohibits communication initiated by a bidder to City officials or employees evaluating or considering the bids prior to the time a bid decision has been made.

Such communications initiated by a bidder may be grounds for disqualifying the offending bidder from consideration or award of the bid then in evaluation and/or any future bid. **All communications are to be directed to the Purchasing Representative and sole contact listed below in Section 2.12.4.**

- 2.12.2 Any questions related to interpretation of specifications or the bid process shall be addressed to the Purchasing Agent, in writing, in ample time before the period set for the receipt and opening of bids. No inquiries, if received within ten (10) days of the date set for the receipt of bids, will be given any consideration. Any interpretation made to prospective bidders will be expressed in the form of an addendum to the specifications which, if issued, will be conveyed to all prospective bidders no later than five (5) days before the date set for receipt of bids. Oral answers will not be authoritative.
- 2.12.3 It will be the responsibility of the bidder to contact the Purchasing Division or go to either www.FWB.org/rfp or www.BidNetDirect.com prior to submitting a bid to ascertain if any addenda have been issued, to obtain all such addenda, and return executed addenda with the bid.
- 2.12.4 Direct all inquiries to:

Giuliana Scott, Purchasing Manager
Purchasing Division, City of Fort Walton Beach
105 Miracle Parkway SW
Fort Walton Beach, Florida 32548

Telephone: (850) 833-9523 **Fax: (850) 833-9643**
Email: gscott@FWB.org **Website: www.BidNetDirect.com**
www.FWB.org/rfps

2.13 **SEALED BIDS:** All bids must be submitted in a sealed envelope. The face of the envelope shall contain the date and time of the bid opening and the bid number. Bids not submitted on the City's bid forms may be rejected. All bids are subject to the conditions specified and on any attached sheets, specifications, special conditions or vendor notes.

2.14 **RECEIPT OF BIDS, DUE DATE**

- 2.14.1 **Sealed bids shall be submitted to the Purchasing Division Office no later than 2:30PM (CST), on February 24, 2022.** Bids shall not be accepted after this time and date. Each bid shall be submitted in a sealed envelope marked with the bid number, title of the bid, and bid opening date.
- 2.14.2 Neither faxed nor electronically submitted bids will be accepted. Be sure to include the name of the company submitting the bid, where requested.
- 2.14.3 Sealed bids are to be addressed as follows for either mail or hand delivery. Bids submitted by mail must be received by the Purchasing Agent before the bid opening time.
- 2.14.4 Sealed bids are to be addressed as follows for either mail or hand delivery. Bids submitted by mail must be received by the Purchasing Division no later than the bid opening time.

2.14.5 **Cut out & use the label printed here, and affix to your OUTER sealed bid envelope to identify it as a “Sealed Bid”.**



**Deliver to: City of Fort Walton Beach
Attn: Purchasing Division
105 Miracle Strip Pkwy SW
Fort Walton Beach, FL 32548**

SEALED BID DO NOT OPEN

SEALED ITB#: 22-006

**ITB TITLE: PARKING LOT IMPROVEMENTS –
164-166 MSP SW (FWB, FL)**

DUE DATE/TIME: 02/24/2022 2:30 PM – Central Time

2.15 **WITHDRAWAL OF BIDS:** Bidders may withdraw a bid after it has been deposited with the Purchasing Division office any time before the scheduled time for opening the bids.

2.16 **BID OPENING:** The Bid Opening shall be public, on the date and at the time specified on the bid form. It is the bidder’s responsibility to assure that the bid is delivered at the proper time and place of the bid opening. Bids which for any reason are not so delivered will not be returned but will be retained in the "BID FILE" unopened. Offers by telephone or email for a sealed bid cannot be accepted.

2.17 **AWARD OR REJECTION OF BIDS:** The contract will be awarded to the lowest responsive and responsible bidder(s) complying with all the provisions of the Invitation to Bid, provided the bid price is reasonable and it is in the interest of the City to accept it.

2.17.1 The City of Fort Walton Beach reserves the right to reject any or all bids and to waive any informality in bids received whenever such rejection or waiver is in the interest of the City. The City of Fort Walton Beach also reserves the right to reject the bid of a bidder who has previously failed to perform properly or complete, on time, contracts of a similar nature, or a bid of a bidder who investigation shows is not in a position to perform the contract.

2.17.2 Award will be made in approximately ninety (90) days. It is incumbent on bidders to contact the Purchasing Division at (850) 833-9523 to determine the successful bidder(s). Bidders or respondents who do not agree with the City Council’s award are afforded the opportunity to protest the recommendation by submitting a written vendor protest to the Purchasing Division within three (3) business days after City Council has awarded the purchase. Failure to file a written vendor protest within three (3) business days shall constitute a waiver of protest under this policy.

2.17.3 In the best interest of the City, the right is reserved to make award(s) by individual items, group of items, all or none, or a combination thereof, with one or more suppliers; to reject any and all bids, or to waive any informality or technicality in bids received.

2.18 **SELECTION / REJECTION OF OPTIONS/ALTERNATIVES:** If an Invitation to Bid permits options or alternatives, the City reserves the right to select or reject any or all options or alternatives that are bid and as deemed to be in the best interests of the City.

2.19 **BID TABULATION & EVALUATION:** Bidders may request copies of the bid tabulation documents via email, in person or by sending a stamped, self-addressed envelope with the bid. Bid Tabulations will not be provided by telephone.

2.20 **TAX EXEMPT:** The City does not pay federal excise and state sales taxes. Our tax exemption number is 85-8012740106C-0 and is on all purchase orders.

2.21 **POLITICAL SUBDIVISIONS CONTRACTS:** Under Florida Law, prices contained in State Contracts shall be available to the City of Fort Walton Beach, who might wish to purchase under a State Purchase Contract. The City reserves the right to purchase from a State Purchase Contract if in the best interest of the City.

2.22 **PIGGYBACK PROVISIONS:** Under the Florida Inter-local Cooperation Act of 1969, public agencies may engage in cooperative purchasing agreements and intergovernmental agreements and contracts. Winning Bidder agrees to provide same terms and conditions to other qualified government agencies within the State of Florida.

2.22.1 The submission of any bid in response to this Invitation to Bid constitutes a bid made under the same terms and conditions, for the same contract price, to other governmental agencies within the State of Florida, unless otherwise stipulated by the proposing bidder on the bid sheet.

2.22.2 Each governmental agency desiring to accept these bids, and make an award thereof, shall do so independently of any other governmental agency. Each agency shall be responsible for its own purchases and each shall be liable only for materials ordered and received by it, and no agency assumes any liability by virtue of this bid.

2.23 **MISTAKES:** Bidders are expected to examine the specifications, delivery schedules, bid prices, and all instructions pertaining to supplies and services. Failure to do so will be at the bidder's risk.

2.24 **CONDITION and PACKAGING:** It is understood and agreed that any item offered or shipped as a result of this bid shall be new and the current production model at the time of this bid, unless otherwise specified. All containers shall be suitable for storage or shipment, and all prices shall include standard commercial packaging.

2.25 **SAFETY STANDARDS:** Unless otherwise specified in the bid, all manufactured items and fabricated assemblies shall comply with applicable requirements and standards of the Occupational Safety and Health Act.

2.26 **MARKING:** Each individual container shall be marked with the brand name of the product, quantity and the name and address of the manufacturer. Each shipping container shall include the name of the vendor and must also clearly indicate the City of Fort Walton Beach Purchase Order Number.

2.27 **INVOICING and PAYMENT:** The supplier shall be paid upon submission of invoices to: Accounts Payable, City of Fort Walton Beach, 107 Miracle Strip Pkwy SW, Fort Walton Beach, Florida 32548. Invoices are to be billed at the prices stipulated on the purchase order and as outlined in this bid. All invoices must show the City of Fort Walton Beach Purchase Order Number.

2.28 **CONFLICT OF INTEREST:** Any award of contract for this Invitation to Bid is subject to Chapter 112, Florida Statutes. All bidders must disclose with their bid the name of any officer, director, or agent who is also an employee of the City of Fort Walton Beach. Further, all bidders must disclose the name of any City of Fort Walton Beach officer, director, or employee who owns, directly or indirectly, an interest of ten percent (10%) or more of the bidder's firm or any of its branches or who has any contractual relationship or agreement of any kind with the bidder. The bidder warrants that no one was paid a fee, commission, gift, or other consideration contingent upon receipt of an award for the services and/or supplies specified herein.

2.29 **INSPECTION, ACCEPTANCE, and TITLE:** Inspection and acceptance will be at destination unless otherwise stipulated by the City. Title and risk of loss or damage to all items shall be the responsibility of the shipper (vendor) until accepted by the using department of the City of Fort Walton Beach, unless loss of damage results from negligence by the City of Fort Walton Beach or its Departments.

2.30 **DISPUTES:** In case of any doubt or differences of opinion as to the items to be furnished pursuant to the specifications of this Invitation to Bid, the decision of the City of Fort Walton Beach City Manager shall be final and binding on both parties.

2.31 **LEGAL REQUIREMENTS:** Federal, state, county and local laws, ordinances, rules and regulations that in any manner affect the item(s) covered in the specifications of this Invitation to Bid shall apply. Lack of knowledge by the bidder will in no way be cause for relief from such responsibility.

2.32 **INDEPENDENT CONTRACTOR STATUS; INDEMNITY:** At all times the contractor will be an independent contractor and shall, therefore, agree to indemnify and save harmless the City, its officers, agents, and employees, from and against any and all liability, claims, demands, damages, fines, fees, expenses, penalties, suits, proceedings, actions and costs of action, including attorney's fees for trial and on appeal, of any kind and nature arising or growing out of or in any way connected with the performance of the Contract whether by act or omission of the Bidder, its agents, servants, employees or others, or because of or due to the mere existence of the Contract between the parties.

2.33 **TIME IS OF THE ESSENCE:** **A condition that time is of the essence for the proper provision of services of the Contract and that the successful Bidder will conduct all required work diligently and as specified by the City.**

2.34 **ASSIGNMENT:** The successful Bidder may not assign, transfer, or otherwise dispose any rights or obligations of the Contract without prior written consent of the City.

2.35 **TERMINATION FOR CONVENIENCE:** The City may terminate for its convenience at any time, in whole, or in part, any proposal award. In the event of termination for convenience, the City's sole obligations will be to reimburse Bidder for (1) those goods and/or services actually shipped/performed and accepted up to the date of termination, and (2) costs incurred by the Bidder

for unfinished goods, which are specifically manufactured for the City and which are not standard products of the Bidder, as of the date of termination, and a reasonable profit thereon. In no event is the City responsible for loss of anticipated profit nor will reimbursement exceed the proposal value.

2.36 TERMINATION FOR DEFAULT: The City may terminate all or any part of an award resulting from this proposal, by giving notice of default to the Bidder, if the Bidder: (1) refuses or fails to deliver the goods or services within the time specified, (2) fails to comply with any of the provisions of this Proposal or so fails to make progress as to endanger performance hereunder, or, (3) becomes insolvent or subject to proceedings under any law relating to bankruptcy, insolvency, or relief of debtors. In the event of termination for default, the City's liability will be limited to the payment for goods and/or services delivered and accepted as of the date of termination.

2.37 LIABILITY: The vendor shall hold and save the City of Fort Walton Beach, its officers, agents and employees harmless from liability of any kind in the performance of or fulfilling the requirements of any purchase order which may result from this bid.

2.38 LOCAL VENDER PREFERENCE: The City may give preference to a local vendor whenever two or more bids, proposals, or replies are equal in price, quality and service. In the event of a tie by local vendors, the award may be split when it is in the best interests of the City.

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SECTION 3 - SPECIAL CONDITIONS

If marked, the following Special Conditions apply to this invitation to bid:

 3.1 PRE-BID CONFERENCE: N/A

XX 3.2 PERFORMANCE TIME: The Contractor shall deliver the required service within NINETY (90) calendar days of issuance of Notice to Proceed (NTP) and Purchase Order.

XX 3.3 FAMILIARITY WITH SITE CONDITIONS: The responsibility for the determination of accurate measurements, the extent of work to be performed, and the conditions surrounding the performance thereof shall be the bidder's. Submission of a bid shall constitute acknowledgement by the bidder that he is familiar with all such conditions. The failure or neglect of a bidder to familiarize himself with the site of the proposed work shall in no way relieve him from any obligations with respect to his bid.

XX 3.4 RIGHT TO AUDIT RECORDS: The City shall be entitled to audit the books and records of the Contractor or any sub-contractor to the extent that such books and records relate to the performance of the Agreement or any sub-contract to the Agreement. Such books and records shall be maintained by the Contractor for a period of three (3) years from the date of final payment under the Agreement and by the sub-contractor for a period of three (3) years from the date of final payment under the sub-contract unless a shorter period is otherwise authorized in writing.

XX 3.5 VALUE ENGINEERING: It is the intent of the City to award a contract to the lowest responsible bidder provided the bid has been submitted in accordance with the requirements of the bidding documents and does not exceed the funds available. In the event the lowest responsible bid exceeds the City's established fixed construction cost, the City shall have the right to engage the lowest responsible bidder in value engineering in order to comply with the fixed construction cost. In no instance shall such value engineering exceed ten percent of the base bid or reduce the base bid to an amount less than the fixed construction cost in place at the time of bidding.

XX 3.6 BIDDER QUALIFICATION: Bids will be considered from firms who have adequate personnel and equipment and who are so situated as to perform prompt service, Monday through Friday, except for City holidays. Bids will be considered only from firms which are regularly engaged in the business as described in this bid package; with a record of performance for a reasonable period of time, which have sufficient financial support, equipment, and organization to ensure that they can satisfactorily execute the service if awarded a Contract under the terms and conditions herein stated. The terms "equipment and organization" as used herein shall be construed to mean a fully equipped and well established company in line with the best business practice in the industry and as determined by the City.

XX 3.7 INSPECTION: The City reserves the right to conduct an inspection of the bidder's facility and equipment prior to the award of the contract.

XX 3.8 FISCAL YEAR FUNDING APPROPRIATION: Unless otherwise provided by law, a contract for supplies or services may be entered into for any period of time deemed to be in the best interest of the City, provided the term of the contract and conditions of renewal or extension, if any, are included in the solicitation and funds are available for the first fiscal period at the time of contract. Payment and performance obligations for succeeding fiscal periods shall be subject to appropriation of adequate funds by City Council.

XX 3.9 CANCELLATION DUE TO UNAVAILABILITY OF FUNDS: When funds are not appropriated or otherwise made available to support continuation of performance in a subsequent fiscal period, the contract shall be cancelled and the contractor shall be entitled to reimbursement for the reasonable value of any nonrecurring cost incurred but not advertised in the price of the supplies or services delivered under the contract or otherwise recoverable.

XX 3.10 EXECUTION OF CONTRACT: The successful bidder shall, within fifteen (15) calendar days after Notice to Proceed is issued by the Purchasing Agent, enter into a contract with the City for the performance of work awarded and shall simultaneously provide any required bonds, indemnities and insurance certificates. Failure to comply with the established deadline for submittal of required documents may be grounds for cancellation of the award.

XX 3.11 FAILURE TO EXECUTE CONTRACT: Failure of the successful bidder to enter into a contract in the proscribed time may be cause for cancellation of the award to that bidder. In the event that the award is cancelled, the award may then be made to the second lowest responsive and responsible bidder, or the City may reject all of the bids. Contractors who default are subject to suspension and/or removal from the Bidder's List.

XX 3.12 FLORIDA PROMPT PAYMENT ACT: For purposes of billing submission and payment procedures, a "proper invoice" by a contractor, vendor or other invoicing party shall consist of at least all of the following:

- 3.12.1 A description (including quantity) of the goods and/or services provided to the City (or a party on behalf of the City) reasonably sufficient to identify it (or them);
- 3.12.2 The amount due, applicable discount(s), and the terms thereof;
- 3.12.3 The full name of the vendor, contractor or other party who is supplying the goods and/or services including a mailing address in case of a dispute and a mailing address for payment purposes (if they are different) and a telephone number;
- 3.12.4 The Purchase Order or Contract number as supplied by the City; and
- 3.12.5 Identification by office or department where and to whom the goods were delivered or services provided.
- 3.12.6 All invoices shall be delivered to the Accounts Payable Dept., City of Fort Walton Beach, 107 Miracle Strip Parkway SW, Fort Walton Beach, Florida, 32548.
- 3.12.7 The invoice must be based on a proper delivery, installation, or provision of the goods and/or services to and acceptance by the City; the vendor, contractor or other party who is supplying the goods and/or services has otherwise complied with all of the contract's terms and conditions and is not in default of any of them; and if the contract requires any subcontractors or other parties to be bound by similar other "flow-down" requirements are in compliance with those requirements.

XX 3.13 DISPUTE RESOLUTION: In the event a dispute occurs between a contractor, vendor or other invoicing party ("invoicing party") and the City concerning payment of an invoice, the City department or office which has the dispute along with a representative of the City's Purchasing Division and the invoicing party shall meet to consider the disputed issues. The invoicing party shall provide to the City such material and information as the City may reasonably require. Any such procedure shall be initiated by either party notifying the other in writing of a dispute and stating with specificity its nature. This procedure shall commence not later than 45 days and be resolved not later than 60 days after the date on which the proper invoice was received by the City. If the issue cannot be resolved, then it will be submitted to the City Manager. Any decision by the City Manager shall constitute the final decision of the City regarding these matters and shall be communicated in writing to the invoicing party within three business days after such decision.

XX 3.14 LIQUIDATED DAMAGES: Work shall begin within five (5) calendar days after Purchase Order or Notice to Proceed has been issued and all work shall be completed within the job order's designated performance time, but in no case, later than 30 days.

3.14.1 It is hereby understood and agreed by the bidder that time is of the essence in the delivery of supplies, services, materials, or equipment of the character and quality specified in the bid document.

3.14.2 In the event these specified supplies, services, materials, or equipment are not delivered by the date specified, there will be deducted from the total contract price, not as a penalty but as liquidated damages, the sum of \$300 per day for each and every calendar day of delay beyond the time specified; except that if the delivery be delayed by any act, negligence, or default on the part of the City, public enemy, war, embargo, fire, or explosion not caused by the negligence or intentional act of the contractor or its supplier(s), or by riot, sabotage, or labor trouble that results from a cause or causes entirely beyond the control or fault of the contractor or its supplier(s), a reasonable extension of time as the City deems appropriate may be granted.

3.14.3 Upon receipt of a written request and justification for an extension from the contractor, the Purchasing Office may extend the time for performance of the contract or delivery of goods herein specified at the Purchasing Office's sole discretion for good cause shown.

XXX 3.15 BOND REQUIREMENTS

XXX 3.15.1 Performance Bond equal to one hundred percent (100%) of the Contract price will be required.

XXX 3.15.2 Labor & Material Payment Bond equal to one hundred percent (100%) of the Contract price will be required.

XXX 3.15.3 Performance and Labor & Materials Payment Bonds shall accompany the contract, be signed, sealed and dated no earlier than the contract effective date and specifically refer to the contract, by date.

XXX 3.15.4 Surety companies providing any bond must be listed in the latest Federal Register of the U.S. Department of Treasury, Circular 570 entitled “Surety Companies Acceptable on Federal Bonds” or otherwise acceptable to the City.

XX 3.16 INSURANCE: Bidders must be eligible for and provide evidence of insurance coverage showing Bidder as Named Insured, with coverages that equal or exceed the City’s minimum standards for the project. All insurance required must be provided by a company licensed to do business in the State of Florida and with an A.M. best rating of at least A-. Certificate of Insurance showing the City as a Certificate holder must accompany signed contract.

XX 1. Commercial General Liability

- Each occurrence for Bodily Injury/Property Damage \$1,000,000
- Products/Completed Operations \$1,000,000
- Annual Aggregate for Bodily Injury/Property Damage \$2,000,000
- Products Liability/Completed Operations \$1,000,000
- Fire Legal Liability Coverage \$ 100,000

This coverage shall include the following provisions:

- The City of Fort Walton Beach shall be an additional insured.
- The policy shall not be cancelled unless the City is given at least 30 days notice.
- Contractual Liability
- Any coverages which are eliminated, restricted or reduced to less than what is commonly provided by standard I.S.O. forms must be indicated.

XX 2. Commercial Automobile Liability

Combined single limit for bodily injury and/or property damage \$1,000,000

This coverage shall include the following provisions:

- The City of Fort Walton Beach shall be an additional insured
- The policy shall not be cancelled unless the City is given at least 30 days notice.
- Contractual Liability
- Any coverages which are eliminated, restricted or reduced to less than what is commonly provided by standard I.S.O. forms must be indicated
- Symbol "2" (Any Auto) or equivalent, shall be used to designate insured vehicles.

XX 3. Workers Compensation – to include coverage for any applicable Federal Acts **including but not limited to Jones Act and/or United States Longshoreman & Harbor Workers Compensation Act (USLH).**

- Coverage A In conformity with Florida Statutes
- Coverage B \$500,000/\$500,000/\$500,000

XX 3.17 SUBCONTRACTOR(S): Unless otherwise stated in the contract documents or the bidding requirements, the contractor, as soon as practicable after award of the contract, shall furnish in writing to the City the names of persons or entities, including those who are to furnish materials or equipment fabricated to a special design, proposed for each principal portion of the Work. The City will promptly inform the bidder in writing whether it has reasonable objection to any such proposed person or entity. The City may consider the use of any particular subcontractor when evaluating whether a bidder can perform the contract or provide the service promptly, or within the time specified, without delay or interference.

XX 3.18 CONSTRUCTION OF SPECIAL CONDITIONS: If any specification or general condition of this Invitation to Bid conflicts with any special condition, the special condition shall have precedence over the general condition.

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4.0 ADDITIONAL CONTRACT TERMS:

4.1 Independent Contractor: An Agreement resulting from this solicitation does not create an employee/employer relationship between the Parties. It is the intent of the Parties that the Bidder is an independent contractor under this Agreement and not the City's employee for any purposes, including but not limited to, the application of the Fair Labor Standards Act minimum wage and overtime payments, Federal Insurance Contribution Act, the Social Security Act, the Federal Unemployment Tax Act, the provisions of the Internal Revenue Code, the State Worker's Compensation Act, and the State Unemployment Insurance law. The Bidder shall retain sole and absolute discretion in the judgment of the manner and means of carrying out Bidder's activities and responsibilities hereunder provided, further that administrative procedures applicable to services rendered under any potential Agreement shall be those of Bidder, which policies of Bidder shall not conflict with City, State, or United States policies, rules or regulations relating to the use of Bidder's funds provided for herein. The Bidder agrees that it is a separate and independent enterprise from the City, that it had full opportunity to find other business, that it has made its own investment in its business, and that it will utilize a high level of skill necessary to perform the work. Any potential Agreement shall not be construed as creating any joint employment relationship between the Bidder and the City and the City will not be liable for any obligation incurred by Bidder, including but not limited to unpaid minimum wages and/or overtime premiums. SEE Also Section 2.51.

4.1.1 The City reserves the right to select its own legal counsel to conduct any defense in any such proceeding and all costs and fees associated therewith shall be the responsibility of the Bidder under the indemnification agreement. Nothing contained herein is intended nor shall it be construed to waive the City's rights and immunities under the common law or Florida Status 768.28 as amended from time to time.

4.2 Notice to Proceed: The City shall issue an a signed Purchase order and official Notice to Proceed for the services referenced in this ITB and resulting contract. The Notice to Proceed shall be sent via facsimile or email. Under no circumstances shall the City be liable for any services rendered unless the written Notice to Proceed has been sent and received by the Contractor(s). The Contractor(s) must acknowledge receipt of the written Notice to Proceed.

4.3 Changes in Scope of Work:

4.3.1 "Additional work" shall be defined as work that results from a change or alteration in plans concerning the scope of work of the task order, or added work necessary to meet the performance goals of the scope of work.

4.3.2 "Extra work" shall be defined as work not required under the scope of work of the task order, is something done or furnished beyond the requirements of the task order, and is entirely outside and independent of the scope of work and not contemplated by it.

- 4.3.3 “Change Order” shall be defined as a written instrument prepared by and signed by the City and Bidder, stating the specific agreement upon all of the following: the change in the scope of work, the amount of the adjustment, if any, to the task order price, and the adjustment, if any, to the task order completion time.
- 4.3.4 No claim for additional or extra work will be considered or paid by the City unless a request for a Change Order is first submitted in writing by the Bidder and authorized by the City as a Change Order.
- 4.3.5 The City Manager may request and approve change orders to the task order consisting of additions, deletions, extra work, or other revisions so long as each change order does not exceed \$20,000 and all change orders, in the aggregate, do not exceed ten percent (10%) of the total Purchase Order price.
- 4.3.6 The City Council must approve any single change order that exceeds \$20,000 or if the aggregate amount of change orders will exceed ten percent (10%) of the total Purchase Order price.
- 4.3.7 All change orders shall be considered a written addendum to the Contract.
- 4.3.8 Winning Bidder is not authorized to approve any additional or extra work, grant authority for any work, issue a notice to proceed, recommend progress payments, or otherwise act as an agent of the City unless specifically authorized in writing by the appropriate City officials.
- 4.4 Time of Completion: The services shall commence upon written Notice to Proceed from the City, and the project shall be completed in accordance with the project schedule.

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SECTION 5 – SCOPE OF WORK / SPECIFICATIONS

5.1 INTENT / PROJECT DESCRIPTION - The City of Fort Walton, Florida is reconstructing a parking lot located at 164 and 166 Miracle Strip Pkwy, SW in downtown Fort Walton Beach. This parking lot is in need of asphalt and stormwater improvements. Work will include removal of the existing underlying building foundation and tying into the adjacent FDOT stormwater system.

5.1.1 Bidder must be a qualified contractor, licensed in the State of Florida.

5.1.2 The Bidder shall be responsible for all required state and local building permits.

5.2 TECHNICAL SPECIFICATIONS – Drawings by Jenkins Engineering, Inc.
See the following Exhibits:

5.3.1 Exhibit 1 - Exhibit 1 - 14-16-019 Design-01 COVER SHEET

5.3.2 Exhibit 2 - 14-16-019 Design-02 EXISTING CONDITIONS

5.3.3 Exhibit 3 - 14-16-019 Design-03 SITE PLAN

5.3.4 Exhibit 4 - 14-16-019 Design-04 GRADING & DRAINAGE PLAN

5.3.5 Exhibit 5 - 14-16-019 Design-05 MISCELLANEOUS DETAILS

5.3.6 Exhibit 6 - 14-16-019 Design-06 SPECIFICATIONS I

5.3.7 Exhibit 7 - 14-16-019 Design-07 SPECIFICATIONS II

5.3 PERFORMANCE SCHEDULE

5.3.1 The Bidder shall commence work within fourteen (14) days of receipt of Notice to Proceed.

5.3.2 The Bidder shall deliver the required service within NINETY (90) calendar days of issuance of Notice to Proceed (NTP) and Purchase Order.

5.3.3 Bidder shall communicate anticipated material deliveries date(s) to designated City staff. For any notifications of delayed shipment(s) of materials required for project, Bidder shall immediately notify City staff of those delays.

5.3.3.1 Supplier delays of materials must be supported by written documentation from supplier.

5.4 HOURS OF OPERATION: All activity shall be performed during visible daylight hours only. (8 hours per day, Monday thru Friday, excluding holidays). Any proposed work outside of these hours must be submitted in writing to the City for consideration.

5.5 PERSONNEL: Bidder Personnel / Staff must be clearly identified, either with uniform or ID badge while working within the City limits.

5.6 DEFECTIVE WORK

- 5.6.1 All work completed by the Bidder at any time during the progress of the work shall be subject to the inspection by the City, who shall have full power to accept or reject any part thereof.
- 5.6.2 The Bidder shall remedy any defective or unsatisfactory work at no additional cost to the City. In the event the Bidder fails to initiate corrections within forty-eight (48) hours after written notice, the City shall have full right to have same done and to bill the Bidder for cost thereof.

5.7 FINAL INSPECTION

- 5.7.1 Upon notice from the Bidder that work is completed in accordance with the specifications, the City shall make a final inspection of the work. The Bidder will be notified of all instances where his work fails to comply with the specifications. The Bidder shall immediately make those alterations which will make the work fully comply with the specifications.
- 5.7.2 The Bidder shall immediately correct or complete all issues as well as defects that were identified by the City or his/her representative.
- 5.7.3 Upon completion of the repair work the Bidder shall notify the City when it is ready for inspection. The City shall make a final inspection of the work and notify the Bidder of any necessary repair work that is not completed. The Bidder shall immediately complete all incomplete work and arrange for re-inspection.

5.8 **SITE VISIT** – Any potential bidder wishing to visit the identified work site for the purpose of gathering additional technical information, should contact the Purchasing Representative listed in Section 2.12.4 on Page 16 of this document to schedule an appointment.

5.9 OTHER CONSIDERATIONS FOR SCOPE OF WORK:

- 5.9.1 The Bidder shall supervise and direct the work, using skillful labor and proper equipment for all tasks. Safety of the Bidder's personnel and equipment shall be responsibility of the Bidder. Additionally, the Bidder shall pay for all materials, personnel, taxes and fees necessary to perform under the terms of this contract.
- 5.9.2 Protection of Resident Workers - The City actively supports the Immigration & Nationality Act (INA) which includes provisions addressing employment eligibility, employment verification, and nondiscrimination.
 - 5.9.2.1 Under the INA, employers may hire only persons who may legally work in the United States, (i.e., citizens and nationals of the U.S.) and aliens authorized to work in the U.S.

- 5.9.2.2 The employer must verify the identity and employment eligibility of anyone to be hired, which includes completing the Employment Eligibility Verification. The Bidder shall establish appropriate procedures and controls so no services or products under the contract documents will be performed or manufactured by any worker who is not legally eligible to perform such services or employment.
- 5.9.2.3 The City reserves the right to request documentation showing compliance with this requirement.
- 5.9.3 OSHA – Precautions shall be exercised at all times for the protection of persons and property. Bidder shall conform to all OSHA, State and County regulations while performing under the terms and conditions of this contract. Any fines levied by the above mentioned authorities because of inadequacies to comply with these requirements shall be borne solely by the Bidder responsible for the same.
- 5.9.4 Licenses - The Bidder must be duly licensed in accordance with the State's statutory requirements to perform the work identified herein. Proof of licensure shall be submitted with the proposals. Required licenses shall be maintained and valid throughout the term of this contract.
- 5.9.5 Permits - The City is responsible for obtaining all applicable environmental and regulatory permits prior to the Bidder commencing operations. The Bidder is responsible for obtaining any necessary state contractor's licenses and local business tax receipts (BTR).
- 5.9.6 Damage to Property – The Bidder shall use every method at their disposal to protect all properties they are working on/ around. If the City project manager finds unnecessary damage to properties (public or private), the City shall invoke its authority to immediately terminate the contract and pay the Bidder for work completed to date. The termination shall be effective **immediately** upon written notice by the City to the Bidder.

The Bidder will take care, and assume responsibility for any damage caused:

- 5.9.6.1 The Bidder shall assume full responsibility for any damage to any work areas or to the City, or of any adjacent land or areas, resulting from the performance of the work on City property/easements. The Bidder shall be responsible for repairing or replacing property to the satisfaction of the City which is damaged by the Bidder.
- 5.9.6.2 Should any claim be made by any such owner or occupant because of accident, intentional act, the performance of the work, or for any other such reason the cause of which is the Bidder or its subcontractors, agents or employees the Bidder shall promptly

settle with such party by negotiation or otherwise resolve the claim by arbitration or other dispute resolutions proceeding or at law.

- 5.9.7 Storage of Bidder's Equipment – The Bidder shall be responsible for locating areas in which to store their equipment. Such areas shall not be located within right-of-ways or in areas which create a traffic or safety hazard.
- 5.9.8 Violations - The Bidder shall be responsible for taking corrective action in response to any notices of violations issued as a result of the Bidder's or any Subcontractor's actions or operations during the performance of this contract. Corrections for any such violation shall be at no additional cost to the City.
- 5.9.9 Additional Work – The City shall retain the option to add work areas if it deems necessary.

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SECTION 6 -PRICING SHEET - The cost of work and all costs incidental thereto shall be included in the price bid for the item to which the work pertains. **THIS FORM MUST BE RETURNED WITH PROPOSAL PACKAGE.**

Page 1 of 2

Name of Bidder:				
Project: City of FWB ITB XX-XXX	Miracle Strip Parkway SE			
Item	Quantity	Units	Unit Cost	Total Line Item Cost
Miscellaneous				
Mobilization	1	L.S.		
Maintenance of Traffic	1	L.S.		
Construction Entrance	1	L.S.		
Adjacent Owner Coordination Allowance	1	EA	\$10,000	
Subtotal				
Demolition & Erosion Control				
Demolition	1	L.S.		
Demolition of existing building foundation	12,053	S.F.		
Silt Fence	500	L.F.		
Inlet Protection from Sedimentation	5	EA		
Subtotal				
Paving, Concrete, & Earthwork				
Excavation	3020	C.Y.		
Stabilization of Subgrade (min. LBR 40)	3020	S.Y.		
6" FDOT Base Material (98% max density)	3020	S.Y.		
Asphalt Type SP 9.5 (1.5" thick/165 - 2" in right-of-way)	250	TN		
Concrete 6" Stand Up Curb (6" wide)	612	L.F.		
Concrete Sidewalk (Average +/- 6.7' wide)	340	L.F.		
Concrete Sidewalk (5' wide)	195	L.F.		
ADA Compliant Truncated Dome Mats	5	EA		
Thermoplastic Striping/Signage	1	L.S.		
Wheel Stops	25	EA		
Subtotal				
Landscaping				
Existing Tree Protection	6	EA		
Irrigation Protection/Repair	1	L.S.		
Mulching & Final Grading	450	S.Y.		
Paver Courtyard	100	S.Y.		
Subtotal				
PROJECT TOTAL				
CY= Cubic yard; EA=Each; LF=Linear Foot; LS=Lump				
Sum; SF=square foot; SY=square yard; TN=Ton				

1. FOB Point: **Delivered**
2. Terms of Payment: (e.g. Net 45) _____
3. The City shall receive shipment or project completion notice within _____ days from the date Vendor receives official Purchase Order or Notice to Proceed.

Re-check your quotations prior to submission.

Bids may not be changed after being opened.

SECTION 7**CITY OF FORT WALTON BEACH, FLORIDA
NOTICE TO BIDDERS****BID NUMBER: ITB# 22-006****Date: January 27, 2022**

The City of Fort Walton Beach will accept sealed bids at City Hall until February 24, 2022, at 2:30 PM, CST, at which time all bids received will be opened and read aloud at City Hall Annex, Training Room, 105 Miracle Strip Parkway SW, Fort Walton Beach, FL for the following:

ITB 22-006 – PARKING LOT IMPROVEMENTS (164-166 MSP SW)

Copies of Bid Provisions and Bid Forms may be found at the Florida Bid System website at www.BidNetDirect.com (registration required) or at the City of Fort Walton Beach website at www.FWB.org/rfps.

Additional technical information relative to this bid may be obtained from Giuliana Scott, Purchasing Manager, at (850) 833-9523 or gscott@FWB.org during normal business hours.

The City of Fort Walton Beach reserves the right to waive informalities in any bid; to make award(s) by individual item, group of items, all or none, or a combination thereof; to reject any and all bids or waive any minor irregularity or technicality in bids received, that in its judgment will be in the best interest of the City of Fort Walton Beach.

Mark outside of envelope: **ITB 22-006 – PARKING LOT IMPROVEMENTS
(164-166 MSP SW) (FWB, FL)**

Note: Any bidder failing to mark the outside of the envelope, as set forth herein may not be entitled to have their bid considered. (Use label on page 17.)

Address responses and deliver to: City of Fort Walton Beach
Attn: Purchasing Division
105 Miracle Strip Parkway SW
Fort Walton Beach, FL 32548

The City of Fort Walton Beach adheres to the Americans with Disabilities Act and will make reasonable accommodations for access to this meeting by a physically handicapped person upon notice 48 hours prior to the meeting. Please call the City Clerk, Kim M. Barnes, at 850-833-9509 or e-mail at clerk@fwb.org to make a request. For Hearing Impaired the TDD line that is honored throughout the United States is the Telecommunications Relay Service (TRS) and can be reached by dialing 711. Below is a link with the details:

https://www.fcc.gov/sites/default/files/telecommunications_relay_service.pdf.

Exhibit 1 - 7 TECHNICAL DRAWINGS (7 pgs)

See individual documents posted as Exhibit 1 -7 on www.fwb.org/rfps or at www.BidNetDirect.com.

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

THE POINT PARKING LOT RENOVATION FORT WALTON BEACH, FLORIDA



VICINITY MAP
NOT TO SCALE

DUTY TO INDEMNIFY

THE CONTRACTOR SHALL DEFEND, INDEMNIFY, KEEP AND SAVE HARMLESS THE OWNER AND ENGINEER AND THEIR RESPECTIVE MEMBERS, REPRESENTATIVES, AGENTS AND EMPLOYEES, IN BOTH INDIVIDUAL AND OFFICIAL CAPACITIES, AGAINST ALL SUITS, CLAIMS, DAMAGES, LOSSES AND EXPENSES, INCLUDING ATTORNEY'S FEES, CAUSED BY, GROWING OUT OF, OR INCIDENTAL TO THE PERFORMANCE OF THE WORK UNDER THE CONTRACT BY THE CONTRACTOR OR ITS SUBCONTRACTORS TO THE FULL EXTENT AS ALLOWED BY THE LAWS OF THE STATE OF FLORIDA AND NOT BEYOND ANY EXTENT WHICH WOULD RENDER THESE PROVISIONS VOID OR UNENFORCEABLE. IN THE EVENT OF ANY SUCH INJURY (INCLUDING DEATH) OR LOSS OR DAMAGE, OR CLAIMS THEREFORE, THE CONTRACTOR SHALL GIVE PROMPT NOTICE TO THE OWNER.

CLIENT INFORMATION

CITY OF FORT WALTON BEACH
C/O GIULIANA SCOTT
107 MIRACLE STRIP PARKWAY SW
FORT WALTON BEACH, FLORIDA 32548
PHONE: (850) 838-9904

NOTE

USE LATEST FORT WALTON BEACH AND/OR F.D.O.T. TECHNICAL SPECIFICATIONS AND DETAILS UNLESS OTHERWISE NOTED.

SHEET INDEX

#	SHEET TITLE
01	COVER SHEET
02	EXISTING CONDITIONS
03	SITE PLAN
04	GRADING & DRAINAGE PLAN
05	MISCELLANEOUS DETAILS
06	SPECIFICATIONS I
07	SPECIFICATIONS II

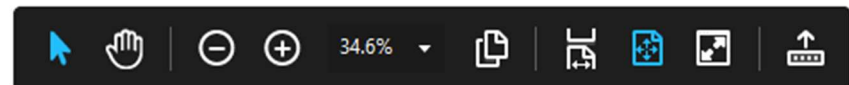


JENKINS ENGINEERING, INC.
11500 W. HARRISON AVE. SUITE 303
FORT WALTON BEACH, FLORIDA 32548
PHONE: 850.838.2488
FAX: 850.837.2405
JECIVL.COM

NO.	DATE	DESCRIPTION
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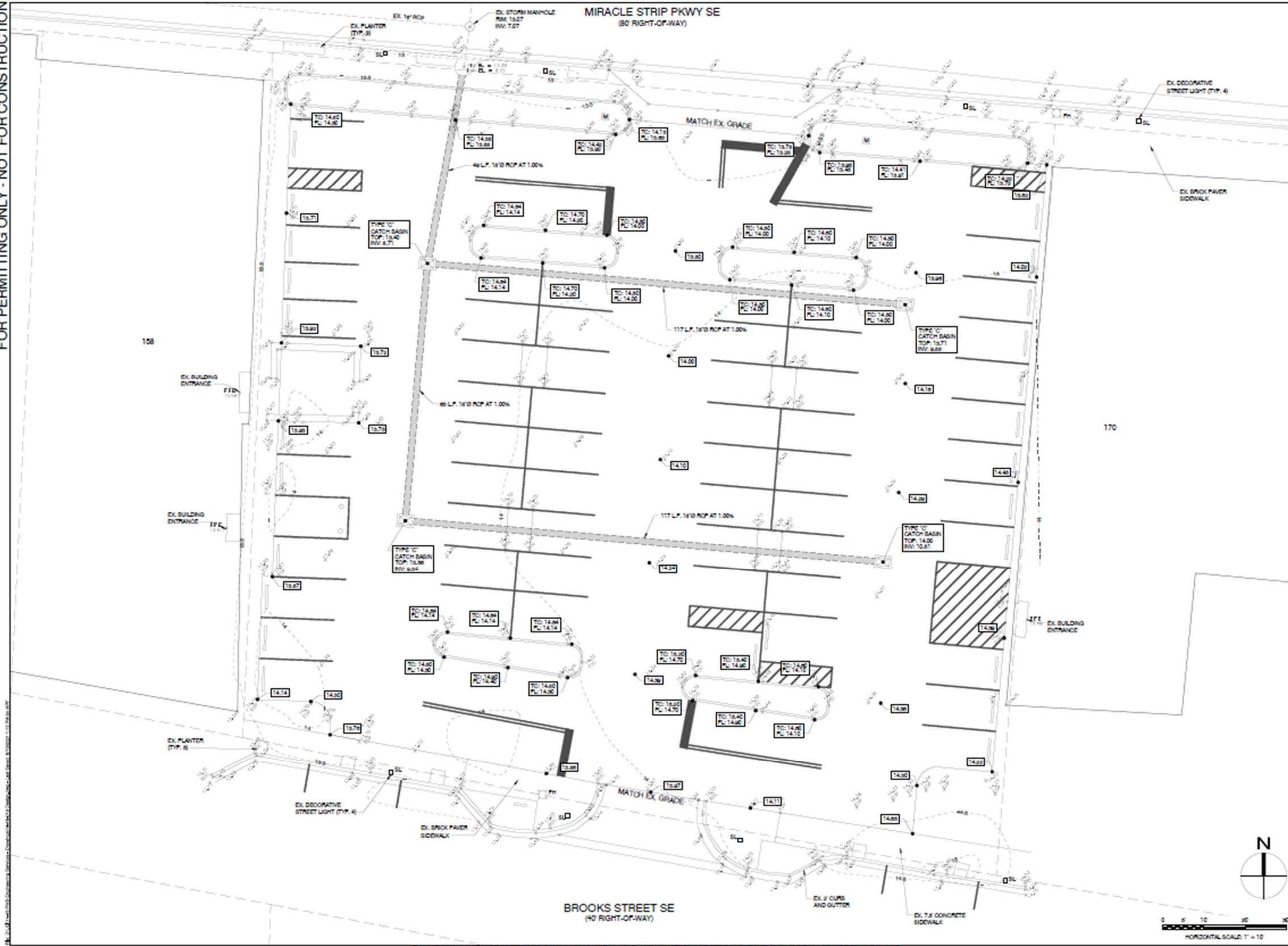
CITY OF FORT WALTON BEACH
THE POINT PARKING LOT RENOVATION
FORT WALTON BEACH, FLORIDA
COVER SHEET

JOB: 14-16-019
DATE: 07-2021
DESIGNED: MSJ
DRAWN: MEF
DRAWING NUMBER: 01 OF 07
SHEET NUMBER: C01



THIS DRAWING IS THE PROPERTY OF JENKINS ENGINEERING, INC. AND IS NOT TO BE REPRODUCED WITHOUT EXPRESSED WRITTEN CONSENT.

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FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

1. SPECIFICATION: CURBING AND GRUBBING

All site clearing and grubbing shall be in accordance with section 110 of the Florida Department of Transportation Specifications for Road and Bridge Construction unless modified herein. This work shall be performed in the following areas:

- All street right-of-way.
- All areas where excavation or embankment are to take place.
- Construction areas.

In addition, certain other areas where underground utilities are to be installed are to be cleared and grubbed to the extent necessary to properly install the utilities. Such work shall be incidental to the contract unit price for the utility to be installed.

1.1 SCOPE:

Site clearing work includes, but is not limited to:

- Removal of trees and other vegetation.
- Typical striping.
- Clearing and grubbing.
- Removing above grade improvements.
- Removing below grade improvements.

1.2 JOB CONDITIONS:

Traffic: Contact site clearing operators to ensure minimum interference with traffic, streets, walls, and other adjacent occupied or used facilities. Do not close or obstruct streets, walls, or other occupied or used facilities without permission from the Owner and/or Local Approving Authority.

Clearing and Protection in Construction Areas: Preserve trees 4 inches or larger measured breast height (d.b.h.) where possible within construction area.

Protection of Existing Improvements: Provide protection necessary to prevent damage to existing improvements indicated to remain in place.

Protect improvements on adjoining properties and on project site.

Restore damaged improvements to original condition as acceptable to the Owner.

1.3 LIMITATIONS:

Clearing will be limited to the extent necessary to allow for construction of the proposed improvements as a result of:

- Need for access to the project site for construction equipment.
- Essential grade changes.
- Surface water drainage and utility installation.
- Location of driveways, buildings, and required parking.

1.4 CLEARING AND GRUBBING:

Remove trees, shrubs, grass, other vegetation, improvements, or obstructions interfering with the installation of new construction. Remove existing digging out stumps and roots. Do not remove trees elsewhere on site or premises unless specifically indicated. Dispose of trees, limbs, stumps, and debris shall be the responsibility of the Contractor.

Strip topsoil to whatever depth is necessary to prevent interfering with underlying subsoil or other objectionable material. Our heavy growth of grass from areas before striping.

Stockpile topsoil in storage piles in areas shown or where directed by the Owner. Construct storage piles to heavy chain surface water. Cover storage piles if required to prevent windblown dust.

Dispose of unusable or excess topsoil same as specified for waste material.

1.5 FILLING:

All depressions caused by clearing and grubbing operations with satisfactory soil material, unless further excavation or earthwork is indicated.

Place fill material in horizontal layers not exceeding 12" loose depth, and thoroughly compact to density equal to adjacent ground, unless otherwise shown on the plans.

1.6 REMOVAL OF IMPROVEMENTS:

Remove existing above and below grade improvements and abandoned underground piping or conduit necessary to permit construction and other work.

1.7 DISPOSAL OF WASTE MATERIALS:

No burning of any material, debris, or trash will be allowed.

Remove waste materials from project site on a daily basis, and dispose of refuse in an approved area.

2. SPECIFICATION: EXCAVATION, EMBANKMENT AND SUBGRADE

2.1 EXCAVATION, EMBANKMENT AND SUBGRADE:

Section 100 of the Florida D.O.T. Specifications. All subgrade fill material, and the top 12 inches in cut area, shall be compacted to 100 percent of maximum density as determined by AASHTO T-99. The Subgrade Compaction (Specification) shall conform to Section 100 of the Florida D.O.T. Specifications. In most cases this will consist of compacting existing cleared soil. However, it is the Contractor's responsibility to assure that the finished roadbed section meets bearing value requirements, regardless of the quantity of existing materials to be added. One field density test shall be taken for each 5000 square feet or fraction thereof.

Where required subgrade density cannot be obtained, unsuitable material shall be removed so that the road base will be constructed on a minimum of 3 feet of suitable, properly compacted material. This work shall be included in the contract lump sum price for each excavation.

2.2 SOIL CEMENT BASE:

The detailed specifications of the soil cement base course are to be determined by an independent testing laboratory after testing of the material the Contractor proposes to use. Moisture and cement content will be specified by the laboratory. However, as a guide for bid purposes, estimate 7% cement by weight and include a price reduction schedule if more than 7% cement is required. The soil cement mix will be an optimum moisture content, i.e., neither overly nor dry, but containing sufficient moisture to make a firm cake when squeezed in the hand. Water should not appear on the hand when so squeezed. This requires 6 to 8 gallons per square yard for actual quantity of water to be added will depend on least moisture in the base material. From a practical standpoint, the highest moisture content should be maintained that permits packing and finishing without surface cracking, sloughing or rutting during compaction and finishing operations.

The freshly compacted and finished sub-grade mix must be adequately cured. An application of bituminous material such as FC-150, FC-155 or asphaltic emulsion at a rate of 0.15 to 0.20 gal per square yard is preferred as the curing medium. Waterproof paper or moist hay is acceptable if properly maintained.

2.3 SAND-CLAY BASE COURSE:

The following tests shall be performed prior to placing the material on the roadbed:

Compaction and gradation	Percent of material passing the 10-mesh sieve
• Compaction (ASTM D 1557)	75 to 85
• Silt (material from 0.075 to 0.0075mm)	0 to 10
• Combined clay and silt	0 to 25
• Liquid Limit (ASTM D 4254)	Or at least 75
• Plasticity Index	Not greater than 25
• Plasticity Index	Not greater than 6

The results of these tests shall be submitted to the engineer for approval. The base course shall be compacted to not less than 98 percent of the maximum density as determined by AASHTO T-99. One density test shall be taken for each 5000 square feet or fraction thereof.

Now, Sand Clay base material shall not be used in areas where the seasonal high groundwater table is within two (2) feet of the bottom of the base material.

2.4 LIMESTOCK BASE COURSE:

Shall be constructed in accordance with Section 200 of the Florida D.O.T. Specifications for Road and Bridge Construction. The material shall meet the requirements of Section 211 of the Specifications. Tests necessary to determine compliance with Section 211 shall be performed prior to placing the material on the subgrade. These tests include:

Test	Requirement
• Liquid Limit	Less than 30
• Plastic Index	Non-Plastic
• Gradation	87% passing 30 inch sieve
• Limestone Densities	Not less than 100

The results of these tests shall be submitted to the engineer for approval. After approval of the material, the limestone base course shall be placed in accordance with Section 200. The base course shall be compacted to not less than 98 percent of the maximum density as determined by AASHTO T-99. A minimum of three density tests shall be made on each day's compaction operations. More frequent tests shall be made as deemed necessary by the Engineer. The base shall be installed in a compacted thickness as shown on the plans, plus or minus one half inch. Deviations from this specification shall be corrected as indicated in the Specifications.

2.5 GRADED AGGREGATE BASE COURSE:

Shall comply with the requirements of Section 204 of the Florida D.O.T. Specifications. Tests necessary to determine compliance with Section 204 shall be performed prior to placing the material. These tests include:

- Soundness Loss, Sulfides, Soluble: AASHTO T-104.
- Percent Water: AASHTO T-86 (Grading A).
- Moisture Analysis.
- Limestone Densities.

The results of these tests shall be submitted to the engineer for approval. After approval of the material, the graded aggregate base course shall be placed in accordance with Section 204. The base course shall be compacted to a density of not less than 100 percent of the maximum density as determined by AASHTO T-99. At least three density tests shall be made on each day's final compaction operation of each course, and the density determinations shall be made at more frequent intervals if deemed necessary by the Engineer.

2.6 ASPHALT BASE COURSE:

Shall comply with the requirements of Sections 200, 206, 207 and 210 of the Florida D.O.T. Specifications. The design mix for Asphalt Base Course Type 2 shall conform to the requirements in Tables 207-1 and 207-2. The minimum Marshall stability shall be 1000 lb./sq. in. as indicated in Table 207-2. Percent bitumen by weight of total mix: 6.2 (minimum). Two copies each of the actual design mix shall be submitted to the Engineer. Written approval of the Asphalt base course design mix must be obtained from the engineer prior to commencing base course construction. Once the design mix has been approved by the engineer, sieve analysis tolerances indicated in Table 207-4 are allowable during construction. If sieve analysis values fall outside these tolerances, design mix must be retested for acceptance. After the approval of the mix design, the Asphalt base course shall be placed in accordance with Section 200 and compacted in accordance with Section 200-10.

NOTE: STORMWATER DRAINAGE SHALL BE CONTROLLED DURING ALL PHASES OF CONSTRUCTION.

3. SPECIFICATION: ASPHALT CONCRETE PAVING

3.1 SCOPE:

This section includes materials and work required for installation of flexible asphalt concrete pavement for parking and drive areas shown on the plans.

3.2 APPLICABLE PUBLICATIONS:

The publications listed below form a part of this specification to the extent referenced. The publications shall be the most current issue and are referred to in the text by the basic designation only. The following are minimum requirements and shall govern except that all local, state, and federal codes and ordinances shall govern when their requirements are in excess hereof. All asphalt construction shall be in accordance with applicable sections of the Florida Department of Transportation Specifications for Road and Bridge Construction unless modified herein.

Florida Department of Transportation Specifications:	
• Section 201	Course Aggregate
• Section 202	Fine Aggregate
• Section 210	Bituminous Materials
• Section 211	Mineral Filler
• Section 200	Bituminous Treatments, Surface Courses and Concrete Pavement
• Section 207	Type 5 Asphalt Concrete

American Society for Testing and Materials (ASTM) Publications:	
• D 1567	Moisture-Cement Ratios of Soils and Soil-Aggregate Mixtures Using 10 to 150 kg Hammer and 18-in. (457mm) Drop
• D 1567	Marshall Stability Mix Design

3.3 SUBMITTALS:

Asphalt Design Mix: Before any asphalt surface is constructed, submit two copies of each of the actual design mix to the Engineer and Owner.

Written approval of the asphalt concrete design mix must be obtained from the Engineer and Owner prior to commencing asphalt pavement construction.

Material Certificates: Furnish copies of material certificates signed by material producer and Contractor, certifying that each material item complies with, or exceeds specified requirements.

Asphalt extension tests.

Aggregate gradation tests.

Marshall stability tests.

3.4 JOB CONDITIONS:

Weather limitations: Apply prime and tack coats when ambient temperature is above 40 degrees, and when temperature has not been below 30 degrees for 12 hours prior to application. Do not apply when base is wet or contains excess moisture.

3.5 MATERIALS:

Mineral Filler: Rock dust, hydraulic cement, or other inert material complying with Section 211 of the Florida D.O.T. Specifications.

Asphalt Cement: The bituminous material shall be AC-10, viscosity grade and comply with Section 210 of the Florida D.O.T. Specifications.

Course Aggregate: Comply with Section 201 of the Florida D.O.T. Specifications.

Fine Aggregate: Comply with Section 202 of the Florida D.O.T. Specifications.

Prime Coat and Tack Coat: The bituminous material for the Prime Coat shall be MC-70. The bituminous material for the Tack Coat shall be AC-10, or Emulsified asphalt, grade RS-1 and comply with the requirements in Section 200 and 210 of the Florida D.O.T. Specifications.

Asphaltic Concrete Design Mixes: Asphalt shall conform to the requirements for Type 5 Asphalt as indicated in Section 207 of the Florida D.O.T. Specifications.

Mix shall be within sieve analysis and bitumen range given in Section 207 of the Florida D.O.T. Specifications.

Minimum Marshall stability shall be in 1000 lb./sq. in. as indicated in Table 207-4 of the Florida D.O.T. Specifications.

Percent bitumen by weight of total weight mix: 6.2 - 8.5.

Once design mix has been accepted by Engineer and Owner, sieve analysis tolerances indicated in Table 207-4 are allowable during construction. If sieve analysis values fall outside these tolerances, design mix must be retested for acceptance.

Provide asphalt-aggregate mixture as recommended by local or state paving authorities to suit project conditions. Use locally available materials and gradations which meet Florida D.O.T. Specifications and exhibit satisfactory record on previous installations.

3.6 BASE COURSE PREPARATION:

Prior to construction of the base course, the top 12 inches of subgrade shall be compacted to a minimum soil density of 98% of the Modified Proctor Test Density (ASTM 1567). The subgrade shall be finished by a broom or coarse material consisting not less than 20% uniform chloride and shall be moist thoroughly with water at the rate of 1-1.5 gal. of water per gallon of water. The material shall be applied evenly at the rate of 0.2 gallons per square yard to subgrade that is less than 12" below original grades. If prepared base course will not be immediately covered with asphalt on the same day and emulsifier seals will contaminate the base course surface, the sealers shall be applied to the base course to contaminate the base course.

Remove loose material from compacted base material surface immediately before applying prime coat.

Four not prepared base material surface to ensure unstable areas have been corrected and are ready to receive paving.

Prime Coat:

- Apply bituminous prime coat to base material surface where asphalt concrete paving will be constructed.
- Apply bituminous prime coat in accordance with Section 200 of Florida D.O.T. Specifications.
- Apply minimum rate of not less than 0.15 gal/sq. yd. over compacted base material. Apply material to generate and seal, but not flood, surface.
- Cure and dry as long as necessary to obtain penetration and exposure of vehicle.

Tack Coat:

- Tack coat shall be applied in accordance with Section 200 of Florida D.O.T. Specifications. Apply to contact surface of previously constructed asphalt or portland cement and concrete and surface abutting or projecting into asphalt concrete pavement.
- Apply tack coat to full depth asphalt base course and sand asphalt base course. Apply emulsified asphalt tack coat between each lift or layer of full depth asphalt and sand asphalt bases and on surface of each base where asphalt concrete paving will be constructed.
- Disburse at rate of 0.05 gal/sq. yd. of surface.
- Allow to dry until at proper condition to receive paving.

3.7 PLACING ASPHALT MIX:

Place asphalt concrete mixture on prepared surface, spread, and strike off. Spread mixture at the following minimum temperatures:

- When ambient temperature is between 40 degrees F and 80 degrees F: 200 degrees F.
- When ambient temperature is between 30 degrees F and 80 degrees F: 200 degrees F.
- When ambient temperature is higher than 80 degrees F: 275 degrees F.

Place inaccessible and small areas by hand. Place each course to required grade, cross-section, and compacted thickness.

Final Paving:

- Place in strips not less than 10'-0" wide, unless otherwise acceptable to the Contracting Officer.
- After first strip has been placed and rolled, place succeeding strips and proceed rolling to complete previous strip.

Joints:

- Construct joints between old and new pavements as detailed in the plans.
- Joints between successive days work shall be constructed to ensure continuous bond between adjoining work.
- Construct joints to have same texture, density, and smoothness as other sections of asphalt concrete course.
- Clean contact surface and apply tack coat.

3.8 COMPACTION:

Each lift of asphalt shall be compacted to a minimum of 98% of the Marshall test ASTM D 1557. Begin rolling when mixture will bear roller weight without excessive displacement. Compact mixture with hot hand rollers or vibrating plate compactors in areas inaccessible to rollers.

Breakdown Rolling:

- Accomplish breakdown or initial rolling immediately following rolling of joints and outside edges.
- Check surface after breakdown rolling, and repair displaced areas by loosening and filling. If required, with hot material.
- Second Rolling:
- Roller breakdown rolling as soon as possible, while mixture is hot.
- Continue second rolling until mixture has been thoroughly compacted.

Finish Rolling:

- Perform finish rolling while mixture is still warm enough for removal of roller marks.
- Continue rolling until roller marks are eliminated and course has attained maximum density.

Finishing:

- Remove and replace paving areas mixed with foreign materials and defective areas.
- Cure and seal edges and fill with fresh, hot asphalt concrete.
- Compact by rolling to maximum surface density and smoothness.

Protection:

- After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened.
- Direct barricades to protect paving from traffic until mixture has cooled enough not to become marked.

3.9 FIELD QUALITY CONTROL:

An independent Testing Laboratory, selected and paid by the contractor shall be required to perform construction testing of flexible asphalt courses for Asphalt Extension, Aggregate Gradation, Marshall Stability, moisture and surface smoothness.

Thickness: In-place compacted thickness shall not be less than thickness specified on the drawings.

Surface Smoothness: Testing shall be performed on the finished surface of each asphalt concrete course for smoothness, using 10'-0" straightedge applied parallel with, and at right angles to, centerline of paved area. The variation of the surface from the edge of the straight edge between any two contact points shall not exceed 1/4". Check surface areas at intervals necessary to eliminate ponding areas. Repair or remove and replace unacceptable paving as directed by the Contracting Officer.

Asphalt content, Aggregate gradation, and Marshall Stability shall be as specified in Section 207 of the Florida D.O.T. Specifications.

4. SPECIFICATION: PORTLAND CEMENT CONCRETE PAVING

4.1 SCOPE:

This section includes sidewalks, curbs, and miscellaneous concrete pavement.

4.2 APPLICABLE PUBLICATIONS:

The publications listed below form a part of this specification to the extent referenced. The publications shall be the most current issue and are referred to in the text by the basic designation only. The following are minimum requirements and shall govern except that all local, state, and federal codes and ordinances shall govern when their requirements are in excess hereof. All concrete construction shall be in accordance with applicable sections of the Florida Department of Transportation Specifications for Road and Bridge Construction unless modified herein.

Florida Department of Transportation Specifications:

- Section 200 Portland Cement Concrete
- Section 202 Cement Concrete Pavement
- Section 207 Concrete Curb, Curb Elements and Traffic Separator
- Section 201 Metal Accessory Materials for Concrete Pavement and Concrete Structures

American Society for Testing and Materials (ASTM) Publications:

- A 815 Cement and Fast Setting Mortar Tests for Concrete Reinforcement
- D 1567 Moisture-Cement Ratios of Soils and Soil-Aggregate Mixtures Using 10-lb. (4.5 kg) Hammer and 18-in. (457mm) Drop
- D 1571 Performance Separation Joint Pave for Concrete Paving and Structural Construction, (Nonrestraining and Restraint Distresses Types)

4.3 SUBMITTALS:

Material Certificates: Furnish copies of material certificates signed by material producer and Contractor, certifying that each material item complies with, or exceeds, specified requirements.

4.4 MATERIALS:

Form:

- Steel, wood, or other suitable material of size and strength to retain horizontal and vertical alignment until removed. Use angle irons, tie or dimension and defects.
- Use flexible spring steel forms or laminated boards to form radius bends as required.

Form Release Agent:

- Coat forms with nonstaining type coating that will not discolor or delaminate surface of concrete.

Welded Wire Mesh:

- Welded plain cold-chamber steel wire fabric. Furnish in flat sheets, not rolls, unless otherwise acceptable to Contracting Officer. Welded wire mesh shall be free from rust, dirt, foreign matter and shall not be stored directly on the ground. Wire fabric shall comply with Section 201 of the Florida D.O.T. Specifications.

Reinforcing Bars:

- Deformed steel bars, ASTM A 615, Grade 40. Reinforcing bars shall be free from rust, dirt, foreign matter and shall not be stored directly on the ground. Deformed steel bars shall comply with Section 207 of the Florida D.O.T. Specifications.

Concrete Materials:

- Comply with requirements of Sections 206 and 200 of the Florida D.O.T. Specifications for concrete materials, admixtures, bonding materials, curing materials, and others as required.

Joint Files:

- Reinforced prestressed bituminous (impregnated) fiberboard units complying with ASTM D 1171. Joint files shall comply with Section 202 of the Florida D.O.T. Specifications.

4.5 MIXING:

Design mix to produce normal weight concrete consisting of Portland cement, aggregate, water-reducing or high-range water-reducing admixture (superplasticizer), air-entraining admixture and water to produce following properties:

- Compressive Strength: Minimum 3,000 psi for curb and walkways and 4,000 psi for pavement, at 28 days. In addition, concrete for pavement shall have a minimum modulus of rupture of 600 psi.
- Slump: Range 3"-5".
- Air Content: 2% to 6%.

4.6 PREPARATION:

Surface Preparation:

- Remove loose material from compacted base material surface immediately before placing concrete.
- Compact the top 12 inches of subgrade to a minimum soil density of 98% of the Modified Proctor Test (ASTM D 1567) to result in a minimum modulus of subgrade reaction (k) of 180 pci/in. Pre-roll prepared base material surface to check for unstable areas. The paving work shall begin after the unstable areas have been corrected and are ready to receive paving. Compaction testing for the base material shall be completed prior to the placement of the paving.

Form Construction:

- Set forms to required grades and lines, rigidly brace and secure. Install sufficient quantity of forms to allow continuous progress of work and so that forms can remain in place at least 24 hours after concrete placement.
- Check completed formwork for grade and alignment to following tolerances:
 - Top of forms not more than 1/8" in 10'-0".
 - Vertical face on longitudinal axis, not more than 1/4" in 10'-0".
 - Clean forms after each use, and coat with form release agent as often as required to ensure separation from concrete without damage.

Reinforcement:

- Locate, place, and support reinforcement to ensure compliance with plans.

Concrete Placement:

- Comply with requirements of Sections 206, 200, and 200 of Florida D.O.T. Specifications for mixing and placing concrete.

Do not place concrete until base material and forms have been checked for line and grade. Moisture base material if required to provide uniform dampened condition at time concrete is placed. Concrete shall not be placed against machinery or other structures until they are at the required finish elevation and alignment.

Place concrete using methods which prevent segregation of mix. Consolidate concrete along face of forms and adjacent to transverse joints with internal vibrator. Keep vibrator away from joint assemblies, reinforcement, or side forms. Consolidate with care to prevent delamination of reinforcing, dowels, and joint devices.

Deposit and spread concrete in continuous operation between transverse joints, as far as possible. If interrupted for more than 15 minutes place construction joint.

Cure and Gates:

Automatic machine may be used for curb and gutter placement at Contractor's option. Machine placement must produce curbs and gutters to required cross section, line, grades, and joints as specified for formed concrete. If results are not acceptable, remove and replace with formed concrete as specified.

4.8 JOINT CONSTRUCTION:


Construct expansion, wear/tear/ride (Contractor), and construction joints true-to-line with face perpendicular to surface of concrete. Construct transverse joints at right angles to centerline, unless otherwise indicated.

Welded-Plate (Contractor) Joints:

- Provide welded-plate (contractor) joints, sectioning concrete into areas at 16'-0" o.c. maximum each way.
- Siderails shall have construction joints at 5'-0" o.c.
- Construct welded-plate joints for depth equal to at least 1.4 concrete thickness.

Tooled Joints:

- Form wear/tear/ride joints in fresh concrete by grooving top portion with recommended cutting tool and finishing edges with joints.



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 701 E. IN PARKWAY NE, SUITE 203
 FORT WALTON BEACH, FLORIDA 32548
 PHONE: 904.243.4488
 FAX: 904.243.4490

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

NO.	DATE	DESCRIPTION	REVISIONS					
			1	2	3	4	5	

CITY OF FORT WALTON BEACH

THE POINT PARKING LOT RENOVATION
 FORT WALTON BEACH, FLORIDA

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

JOB:	14-16-019
DATE:	07-20-2021
DESIGNED:	MSJ
DRAWN:	MPP
SHEET NO. 06 OF 07 IF NOT ON BOM ON THIS SHEET ADJUST SCALES ACCORDINGLY	
DRAWING NUMBER	06 OF 07
SHEET NUMBER	C06

FOR PERMITTING ONLY - NOT FOR CONSTRUCTION

Construction Joints:
Plan concrete placement such that construction joints fall at expansion joints as detailed in the plans.

Expansion Joints:
Provide precast joint filler for expansion joints abutting concrete curbs, catch basins, manholes, inlets, structures, walls, and other fixed objects.
Use expansion joints at 40'-0" o.c. maximum for each pavement lane or for curbs.
Use expansion joints at 80'-0" o.c. maximum for roadways.

Joint Filler:
Embed joint filler in width and depth of joint, not less than 1/2" or more than 1" below finished surface where joint filler is installed.
Furnish joint filler in one-piece lengths for full width being placed, whenever possible. Where more than one length is required, lap or dip joint filler sections together.

Joint Sealants:
Embed pavement joint sealants shall be composed of a non-sagging, peelable, self-healing type polyurethane sealant, such as grey stop-stick, or approved equal suitable for use in pavements and sidewalks.

4a CONCRETE FINISHING:
After striking-off and consolidating concrete, smooth surface by screeding and floating. Adjust floating to compact surface and produce uniform finish.
After floating, rear surface for manholes with 10'-0" straightedge (maximum deviation of 1/4 inch). Distribute concrete as required to remove surface irregularities, and refloat required areas to provide continuous smooth finish.
Work edges of slabs, curbs, back top edge of curbs, and formed joints with an edging tool, and round to 1/2" radius. Eliminate tool marks on concrete surface.
After completion of floating and troweling when excess moisture or surface sheen has disappeared, complete surface finish as follows:
Cure, Gates, and Walks:
Broom finish by dragging stainless steel broom across concrete surface perpendicular to line of traffic. Repeat operation if required to provide fine texture.
Inland Slab Surface:
Provide cure, normally finish by scoring surface with anti-skid broom perpendicular to line of traffic.

Barlap Finish:
Barlap finish by dragging stainless steel bar across concrete surface perpendicular to line of traffic. Repeat operation if required to provide fine texture.

Do not remove forms for 24 hours after concrete has been placed. After form removal, clean ends of joints and joint up any minor horizontal imperfections. Remove and replace areas or sections with major defects, as directed.

Protect and cure finished concrete paving in accordance with Florida Department of Transportation Specifications for Road and Bridge Construction Section 300-7.5.

4.10 CLEANING AND ADJUSTING:
Repair or replace broken or defective concrete as directed.
Protect concrete from damage until acceptance of work. Exclude traffic from pavement for at least 14 days after placement. When construction traffic is permitted, maintain pavement as clean as possible by removing surface stains and spillage of materials.

5.0 SPECIFICATION: FINISHING
The Contractor shall install finishing as shown on the plans and in accordance with the manufacturer's brochure. The following are minimum requirements and shall govern except that all local, state and/or federal codes and ordinances shall follow when their requirements are in excess hereof.

5.1 MATERIAL CERTIFICATES:
Furnish copies of materials certificates signed by material producer and Contractor, certifying that each material item complies with, or exceeds, specified requirements.

5.2 MATERIALS:
All materials and equipment incorporated in the work shall be new, clean, and free of visual defects unless otherwise specified, and that all work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All work not conforming to these requirements may be considered defective.

Height shall be as required as shown on the construction plans.
Fabric shall be #6 gauge, chain link open mesh steel wire, hot-dipped galvanized after weaving with minimum coating of 0.5 ounce of zinc per square foot or aluminum coating with 40 ounces per square foot, woven in 2" diamond mesh.
Line post, top, intermediate and bottom rails shall be 1-3/8" O.D. steel pipe, weight 3.27 lbs. per foot, hot-dipped galvanized. See set of deep in notes.
Terminal, corner, gate and pull posts shall be 3" O.D. pipe, 8.79 lbs. See set of deep in notes.
Concrete for setting posts shall be Portland Cement complying with ASTM C-150, aggregates complying with ASTM C-60, and clean water. Mix materials to obtain concrete with a minimum 28-day compressive strength of 2,800 psi.
Sweater bar bands, tie wires, hog rings, coupling nuts, sweater bars, bolts, and miscellaneous hardware device shall be manufacturer's standard for heavy construction work.
Sewing guns shall consist of the following components:
3" O.D. steel pipe 2.70 lbs. per foot, hot-dipped galvanized. Each frame to be equipped with 3/8" diameter adjustable mesh rods.
Hinges shall be hot-dipped galvanized pressed steel or malleable iron to suit gate size, non-rib type. Hinges shall be offset to permit 180 degree opening. Provide one (1) pair of hinges per leaf.
Leaf shall be fabricated to permit operation from either side with provisions to lock both sides with padlock.

5.3 ACCEPTABLE MANUFACTURING:
Clyburn Fence, Page Fence, and Mackway Corporation.

6.0 SPECIFICATION: TRAFFIC STRIPING AND PAINTING
The Contractor shall paint traffic striping as shown on the plans. The following are minimum requirements and shall govern except that all local, state and/or federal codes and ordinances shall govern when their requirements are in excess hereof. All traffic striping and painting shall be in accordance with Sections 712 and 671 of the Florida Department of Transportation Roadway and Traffic Design Standards.

6.1 MATERIAL CERTIFICATES:

Furnish copies of materials certificates signed by material producer and Contractor, certifying that each material item complies with, or exceeds, specified requirements.

6.2 TRAFFIC STRIPING AND PAINTING:
Traffic control markings shall be marked on pavement as indicated on drawings.
Paint shall be in sealed containers that clearly show the designated name, formula or specification number, batch number, color, date of manufacture, manufacturer's name, formulation number, and directions, all of which shall be plainly legible at the time of use. The paint shall be homogeneous, easily applied to smooth consistency, and shall allow no fact settlement or other objectionable characteristics during a storage period of six months.
All machines, tools, and equipment used in performance of the work shall be approved and maintained in satisfactory operating condition. Hand-poured paint-type machines of a type commonly used for application of paint to pavement surfaces shall be acceptable for marking streets and parking areas. Application machines shall be equipped with necessary paint tanks and spraying nozzles, and shall be capable of applying paint uniformly at the coverage specified. Distributing equipment shall be provided as required for clearing surfaces to be painted. Hand-poured epoxy grout shall be provided for use in areas where paint-type machines cannot be used.
New pavement surfaces shall be allowed to cure for a period of not less than thirty days before application of marking materials. All surfaces to be marked shall be thoroughly cleaned before application of the paint. Dirt, oil, and other granular surface deposits shall be removed by sweeping, blowing with methods as required. Rubber deposits, surface laitance, existing paint markings and other coatings adhering to the pavement shall be completely removed with scrapers, wire brushes, sandblasting, approved chemicals, or mechanical abrasion as directed.
Paint shall be applied evenly to the pavement surface to be coated at a rate of 100 plus or minus 8 square feet per gallon. Paint shall be applied as shown on the drawings.
Paint shall be applied to clean, dry surfaces, and unless otherwise approved, only when air and pavement temperatures are above 40 degrees F and less than 85 degrees F. Paint temperature shall be maintained within these same limits. Paint shall be applied progressively with approved equipment at rate of coverage specified herein. The Contractor shall provide guidelines and templates as necessary to control paint application. Special precautions shall be taken in marking numbers, letters, and symbols. All edges of marking shall be sharply defined. The maximum drying time requirements of the paint specifications will be strictly enforced, to prevent undue softening, bleeding, sagging, displacement, or discoloration by heat of traffic. If there is a deficiency in drying of the markings, painting operations shall be discontinued until cause of the drying is determined and corrected.
Suitable warning signs shall be placed near the beginning of the work site and well ahead of the work site for alerting approaching traffic from both directions. Small markings shall be placed along newly paved lines to control traffic and prevent damage to newly painted surfaces. Marking equipment shall be marked with large warning signs indicating that slow moving painting equipment is in operation.
Markings which must be visible at night shall be retro-reflective unless ambient illumination assures adequate visibility.

7.0 SPECIFICATION: WATER DISTRIBUTION SYSTEM
The Contractor shall provide and install all materials for a potable water distribution system as shown on the drawings and in this specification. In addition, he shall obtain all permits and conduct all tests required by local, state and federal authorities and as specified on these drawings.

7.1 MATERIALS:
All materials and equipment incorporated in the work shall be new, clean, and free of visual defects unless otherwise specified, and that all work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All work not conforming to these requirements may be considered defective.

Minimum pipe size 4 inches in diameter:
• Polyvinyl Chloride (PVC) 180 psi, SDR 35
• Polyethylene (PE) 180 psi, SDR 35
• Polyethylene tubing 200 psi, SDR 35

Minimum pipe size 6 inches in diameter:
• Polyvinyl Chloride (PVC) 180 psi, SDR 35
• Ductile Iron (Class 50)

AWWA C-400 (DR 15) ANSI A11.11

Joints for PVC pipes:
• Joints shall comply with ASTM D-2150
• No solvent cements or toxic lubricant will be allowed.
• Expansion capability will be provided.

Joints for Ductile Iron pipes:
• Joints shall comply with AWWA C-115 or AWWA C-110

Gate Valves:
• Valves shall comply with AWWA C-600
• 200 psi iron body, bronze mounted, non-rising stems with square operating nuts and a suitable valve box.

7.2 INSTALLATION:
Shall comply with all local, state and federal regulations. The Contractor shall provide proper facilities for handling and laying pipe and accessories. No pipe will be laid in unstable weather or in water. The Contractor will verify all field dimensions with the design Engineer (including Field Stake-Out) prior to commencing work. The Contractor shall notify the Engineer at 24 hours prior to installing any portion of the water main distribution system. He shall also state all service connections and provide such dimensions to the Engineer. Connections to the existing system shall be coordinated with the Utility Company. Minimal annual interruption shall occur and traffic safeguards shall be taken.
The Contractor shall conduct hydrostatic pressure and leakage tests as follows: Apply 180 psi or 160% of the working pressure whichever is greater to the test line. Duration of the pressure test shall be at least two (2) hours. After 18 hour, check pressure. If pressure has dropped, inspect for leaks and correct as required. Reparatments until there are no leaks or pressure loss. Pressure must hold for two hours.
Note: The Contractor shall notify the Utility Company and the Engineer at least 48 hours prior to conducting pressure and leakage tests. A 3/4 inch hose bib connection will be required for gauge connection.
The Contractor shall install the lines by obtaining at 40 to 60 gpm, injecting at a compression ring and opening all valves and accessories. Flush system. Subsequent tests on replacement water shall show a chemical and bacterial count equal to the supply main. Samples shall be taken and tested at the expense of the Contractor, and results shall be acceptable to local, state and federal agencies of record.
7.3 NOTES:
All water piping and fittings used shall be National Sanitation Foundation (NSF) approved for potable water.
A minimum separation of 10 ft. horizontal, outside to outside and 18 inches vertical is required between all water lines and the sanitary sewer system.
When trench excavation depth exceeds five feet, the Contractor shall provide trench protection (shields, shoring, shoring, etc.) and shall comply with OSHA Standard 29 CFR, Section 1926.650 Subpart P.

In accordance with rules of the Florida Department of Environmental Protection (DEP), Chapter 62-085, the Engineer of record will be responsible for observation of construction of the Potable Water System. The Engineer shall be notified at commencement and completion of construction. To assure compliance with plans and specifications, said Engineer will report to DEP upon completion of construction and clearing and disinfecting described above before the system can be placed in service.

All PVC potable water lines and services will be marked with No. 14 copper insulated tracer wire to enable location with a Penous Metal Detector. The tracer wire will be placed 12 inches above and throughout the length of all such pipe.

7.4 FIRE HYDRANTS:
All fire hydrants shall be 6 inch three way hydrants with two 2-1/2 inch hose nozzles and one 4-1/2 inch pumpout nozzle, designed for 150 lb working pressure or 300 lb hydrostatic pressure and shall conform to the latest specifications of the AWWA. All working parts shall be bronze. All hose threads shall be National Standard Threads. Hydrants shall have a mechanical joint and inlet. Hydrants shall be Traffic Breakaway Model. The hydrant main valve shall be a compression type that closes with the water pressure. Hydrants shall have not less than a 2-1/4 inch valve opening. All hydrants shall be equipped with automatic self-lubricating bearings that lubricate the stem threads and all bearing surfaces each time the hydrant is operated. Hydrants shall be painted one coat of red iron oxide zinc oxide primer conforming to Steel Structures Painting Council SSPC-paint 20 and two fresh coats of silicone alkyd paint conforming to Steel Structures Painting Council

SSPC-paint 21. Fire hydrants shall be painted in accordance with NFPA 921. Recommended Practice For Fire Flow Testing and Marking of Hydrants.

8.0 SPECIFICATION: SANITARY SEWER SYSTEM
The Contractor shall provide and install all gravity sewer material shown on the drawings and in this specification. In addition, he shall obtain all permits and conduct all tests required by local, state and federal authorities and as specified on these drawings.

8.1 MATERIALS:
All materials and equipment incorporated in the work shall be new, clean, and free of visual defects unless otherwise specified, and that all work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All work not conforming to these requirements may be considered defective.

Minimum pipe size 4 inches in diameter:
• PVC Gravity Sewer ASTM D-2063, SDR-35
• Ductile Iron Pipe (D.I.P.) ANSI A11.11
• PVC Force Mains (FRP) ASTM D-1784 and D-2687

Joints:
• PVC Rubber Ring ASTM D-1066
• D.I.P. Joints, Rubber Gasket ANSI A11.11

NOTE: ALL JOINTS TO BE GEL AND GPOD TYPE.

8.2 INSTALLATION:
Shall comply with all local, state and federal regulations. The Contractor shall provide proper facilities for handling and laying pipe and accessories. Trenches shall be properly prepared and pipe shall be supported over its full length and bell holes, laid out as required. No pipe will be laid in unstable weather or in water. The Contractor will verify all field dimensions and report all discrepancies (including field stake-out) prior to commencing work. The Contractor shall notify the Engineer at 24 hours prior to installing any portion of the sanitary sewer system. He shall also state all service connections and provide such dimensions to the Engineer. Manholes, cleanouts and the like shall be located, built and sized as shown on these drawings. Connections with existing sewer systems shall be coordinated by the Contractor with the utility company.
A minimum separation of 10 ft. horizontal measured outside to outside and 18 inches vertical is required between sanitary sewer lines and all water lines.
When trench excavation depth exceeds five feet, the Contractor shall provide trench protection (shields, shoring, shoring, etc.) and shall comply with OSHA Standard 29 CFR, Section 1926.650 Subpart P.
In accordance with rules of the Florida Department of Environmental Protection (DEP), Chapter 62-084, the Engineer of record will be responsible for observation of construction of the Sanitary Sewer System. The Engineer shall be notified at commencement and completion of construction. To assure compliance with plans and specifications, said Engineer will report to DEP upon completion of construction before the system can be placed in service.
The Contractor shall coordinate all tests and inspections with the Utility Company and the Engineer. All lines, fittings and manholes shall be clean and dry before conducting tests. Tests and subsequent corrections shall be at the expense of the Contractor.

8.3 GRAVITY SEWERS:
Leakage tests by infiltration and/or infiltration will be made on all pipe. The Engineer shall have the option determining which test shall be employed. Generally, if the groundwater table is below the bottom of the pipe, an infiltration test shall be used. Duration of test shall be not less than two (2) hours. Visible leaks encountered shall be corrected regardless of leakage test results. Leakage as measured by either the infiltration or infiltration test shall not exceed 0.167 gallons per inch diameter per 100 feet of pipe per hour. When leakage exceeds the maximum amount specified, satisfactory correction shall be made and retesting accomplished.
Deflection testing shall be done on all flexible pipe at the direction of the Engineer. Testing shall be done using a mandrel having a diameter equal to 80 percent of the inside diameter of the pipe. When a deflection device is used in lieu of the mandrel, each device shall be approved by the Engineer prior to use. No pipe deflection shall exceed 5 percent.

8.4 FORCE MAINS:
The Contractor shall conduct hydrostatic pressure and leakage tests as follows:
Apply 100 psi or 160% of the working pressure, whichever is greater, to the test line. Duration of the pressure test shall be at least two (2) hours. After 18 hour, check pressure. If pressure has dropped, inspect for leaks and correct as required. Reparatments until there are no leaks or pressure loss. Pressure must hold for two hours.
Note: The Contractor shall notify the Utility Company and the Engineer at least 24 hours prior to conducting pressure and leakage tests.
Force mains shall have three blocks designed for 100 psi test pressure. Force mains shall be colored other than white to distinguish from water lines. Force mains in the right-of-way shall have 30 inches (minimum) cover over the crown.
All sanitary sewer force mains will be marked with No. 14 copper insulated tracer wire to enable location with a Penous Metal Detector. The tracer wire will be placed 12 inches above and throughout the length of all such pipes.

8.5 MANHOLES:
Shape: All manholes will be eccentric or as specified on the drawings.
Setting Manhole Castings: The frame of the casting shall be set in a full mortar bed composed of one part Portland Cement to two parts of the aggregate.
Concrete: The minimum compressive strength required at twenty-eight days is 4,000 psi, per sq. ft. The minimum amount of water shall be used to produce a workable mix and shall not exceed as (8) U.S. Gallons per cubic cement. Concrete shall conform to ASTM C-64.
Pre-cast Reinforced Concrete Manhole Sections: Pre-cast reinforced concrete manhole sections shall conform to ASTM C-475. All joints for pre-cast sections shall be approved by the Engineer.
Castings: Cast iron frames and covers shall conform to the drawings in all essential details. All castings shall be made of clean, even grain, rough gray cast iron. The quality of iron in the castings shall conform to the current ASTM Specification A-48 for Class 30 Gray Iron Castings. The weight of castings shall be as shown in the plans. Castings shall be smooth, true to pattern, and free from projections, sand holes, or defects. A raised word "STORM" shall be cast on the upper horizontal surface of all manhole covers. The portion of the frame and cover which forms the cover seat shall be machined so that no rocking of the cover is possible. The castings shall be coated with coal tar pitch varnish. On roadways the frame and cover shall be set flush with and in the plane of the surface. In other locations they shall be set to grades determined by the engineer. The frame and cover shall be heavy duty traffic bearing.

8.6 GENERAL:
Group all line joints and entry pipes.
Provide neat cement seals for pre-cast units.
Minimum radius allowed is 20 inches.
Invert grouting shall be uniform and smooth-topped to center line of pipe.
Note: Roof drains, foundation drains and all other clean water connections to the sanitary sewer system are prohibited.

9.0 SPECIFICATION: STORM SEWER SYSTEM
The Contractor shall provide and install all storm sewer material shown on the drawings and in this specification. In addition, he shall obtain all permits and conduct all tests required by local, state and federal authorities and as specified.

9.1 MATERIALS:
All materials and equipment incorporated in the work shall be new, clean, and free of visual defects unless otherwise specified, and that all work will be of good quality, free from faults and defects and in conformance with the Contract Documents. All work not conforming to these requirements may be considered defective.

Compacted Polyethylene Pipe shall comply with section 946 of the latest edition Florida Department of Transportation Specifications for Road and Bridge Construction unless modified herein. Pipe 12 inches to 24 inches in diameter shall comply with ASTM F-403 and ASTM F-407. Joints shall be by means of gasket bands. Frayed outside of dry wells, joints shall be wrapped in fibercloth 2 feet in width and with 2 feet of overlap on the diameter. The pipe, in the perforated form, shall be used inside drywells. It may be used outside drywells only when used with a fiber sock. Perforations shall be 1/4 inch diameter and spaced 10 inches on center in the valley of the corrugation.
Polyvinyl Chloride (PVC) Pipe shall comply with section 946 of the latest edition Florida Department of Transportation Specifications for Road and Bridge Construction unless modified herein. Polyvinyl Chloride Pipe shall meet the requirements of ASTM D 3034, SDR-35, or ASTM F 443, profile wall without perforations. Polyvinyl Chloride Pipe for use as underdrain shall conform to the requirements of ASTM F 742 or ASTM F 443. Also, PVC underdrain manufactured from PVC pipe meeting ASTM D 3034 or ASTM D 3034a perforated in accordance with the perforation requirements given in AASHTO M 26, or AASHTO M 146 will be permitted.
Reinforced Concrete Pipe shall comply with requirements of ASTM C-76, Class II, unless otherwise indicated on the Drawings, and shall be installed with rubber gasketed joints complying with ASTM C-444. Install rubber gaskets in strict accordance with pipe manufacturer's recommendations.
Manholes: Pre-cast reinforced concrete manhole sections shall conform to ASTM Specification C-475. Construct manholes of pre-cast concrete sections as required by Drawings to size, shape, and depth indicated, but never less than 4'-0" inside diameter. All joints for pre-cast sections shall be approved by the engineer.
Inlets and Catch Basins: Pre-cast reinforced concrete inlets and Catch Basin sections shall conform to ASTM C-475. Construct inlets and Catch Basins of pre-cast concrete construction as required by drawings to size, shape, and depth indicated.

Main and Lateral Pipes: Neatly cut off main and lateral pipe flush with inside of manhole or inlet where they enter structure walls. Dress all imperfections and rough edges with non-reflecting grout (inside and outside).
When pipes enter or exit manholes, a "Non-Nest" nested neoprene boot with stainless steel internal and external bands as manufactured by the National Pollution Control Systems, Inc., Nashua, New Hampshire, or a polyurethane joint with a storm transition joint as manufactured by Moorform Corporation, Centerville, Illinois, or an approved equal for seeping connection shall be provided.
Cast Iron Frames, Covers, and Grates: After completion of manhole inlet, set cast iron frame in full mortar bed after adjusting to required elevation. Cast iron frames and covers shall conform to the drawings in all essential details. All castings shall be made of clean, even grain, rough gray cast iron. The quality of iron in the castings shall conform to the current ASTM Specification A-48 for Class 30 Gray Iron Castings. The weight of castings shall be as shown in the plans. Castings shall be smooth, true to pattern, and free from projections, sand holes, or defects. A raised word "STORM" shall be cast on the upper horizontal surface of all manhole covers. The portion of the frame and cover which forms the cover seat shall be machined so that no rocking of the cover is possible. The castings shall be coated with coal tar pitch varnish. On roadways the frame and cover shall be set flush with and in the plane of the surface. In other locations they shall be set to grades determined by the engineer. The frame and cover shall be heavy duty traffic bearing.
Pavement: Pavement shall be the non-woven type and shall comply with sections 974 and 985 of the latest edition Florida Department of Transportation Specifications for Road and Bridge Construction unless modified herein.
Concrete: Concrete shall comply with Section 946 of the latest edition Florida Department of Transportation Specifications for Road and Bridge Construction unless modified herein. Minimum compressive strength at 28 days shall be 4,000 psi.


9.2 DETENTION AREAS AND GRASSED SWALES:
Swales must be landscaped with seeding, sodding, or sprigging, which does not inhibit the infiltration rate of the soil. Engineer requires 48 hours notice prior to landscaping or infiltration areas to make appropriate inspections.

The system will require periodic maintenance for continued proper operation. This will include, as a minimum: A) removal of all debris from surface infiltration areas and catch basins, and B) maintenance of vegetative cover on surface infiltration areas.

9.3 STORMWATER DRYWELLS:
Drywells shall be constructed to the dimensions as detailed in the plans. The washed granular material shall have a void ratio of not less than 0.4 and the gradation shall conform to section 967 of the latest edition Florida Department of Transportation Specifications for Road and Bridge Construction. The dry well shall be completely wrapped in woven geotextile (as approved by the Engineer) and shall have a minimum 2 feet of overlap at field joints. The dry well shall contain perforated pipes as detailed in the plans.
9.4 INSTALLATION:
The Contractor shall comply with all local, state and federal regulations. The Contractor shall provide proper facilities for handling and laying pipe and accessories. Trenches shall be properly prepared and pipe shall be supported over its full length and bell holes, laid out as required. No pipe will be laid in unstable weather or in water. The Contractor will verify all field dimensions and report all discrepancies (including field stake-out) prior to commencing work. The Contractor shall notify the Engineer at 24 hours prior to installing any portion of the storm sewer system. He shall also state all service connections and provide such dimensions to the Engineer. Manholes, cleanouts and the like shall be located, built and sized as shown on these drawings. Connections with existing storm sewer systems shall be coordinated by the Contractor with the Utility Authority. Adequate traffic control shall be provided.
A minimum separation of 10 ft. horizontal measured outside to outside and 18 inches vertical is required between storm sewer lines and all water lines.
When trench excavation depth exceeds five feet, the Contractor shall provide trench protection (shields, shoring, shoring, etc.) and shall comply with OSHA Standard 29 CFR, Section 1926.650 Subpart P.
In accordance with rules of the Florida Department of Environmental Protection (DEP), Chapter 62-085, the Engineer of record will be responsible for observation of construction of the Storm Sewer System. The Engineer shall be notified at commencement and completion of construction. To assure compliance with plans and specifications, said Engineer will report to DEP upon completion of construction before the system can be placed in service.

9.5 TESTS:
The Contractor shall coordinate all tests and inspections with the Utility Authority and the Engineer. All lines, fittings and manholes shall be clean and dry before the Inspector is summoned. Tests and subsequent corrections shall be at the expense of the Contractor.
Non-Perforated Storm Sewers: Leakage tests by infiltration and/or infiltration will be made on all pipe as deemed by the Engineer. The Engineer shall have the option determining which test shall be employed. Generally, if the groundwater table is below the bottom of the pipe, an infiltration test shall be used. Duration of test shall be not less than two (2) hours. Visible leaks encountered shall be corrected regardless of leakage test results. Leakage as measured by either the infiltration or infiltration test shall not exceed 0.167 gallons per inch diameter per 100 feet of pipe per hour. When leakage exceeds the maximum amount specified, satisfactory correction shall be made and retesting accomplished.
Deflection testing shall be done on all flexible pipe at the direction of the Engineer. Testing shall be done using a mandrel having a diameter equal to 80 percent of the inside diameter of the pipe. When a deflection device is used in lieu of the mandrel, each device shall be approved by the Engineer prior to use. No pipe deflection shall exceed 5 percent.

9.6 EROSION PROTECTION:
New and existing drainage structures shall be protected from soil erosion and sedimentation by placing baled hay around structures.
Soil erosion sedimentation shall be controlled during all phases of construction.
ALL SOIL EROSION SEDIMENTATION SHALL BE RETAINED ON SITE.



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DATE: 07-07-2021
DRAWN: MSJ
CHECKED: MPT

THE POINT PARKING LOT RENOVATION
FORT WALTON BEACH, FLORIDA

SPECIFICATIONS II

CITY OF FORT WALTON BEACH
FOR THE USE OF THE CITY ENGINEER

JOB: 14-16-019
DATE: 07-2021
DESIGNED: MSJ
DRAWN: MPT

DRAWING NUMBER
07 OF 07

SHEET NUMBER
C07

CONTINUED ON NEXT COLUMN

CONTINUED ON NEXT COLUMN

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