

NOTE TO BIDDER: Use preferably BLACK ink for completing this Bid form.

BID FORM

To: The City of Key West

Address: 3126 Flagler Avenue, Key West, Florida 33040

Project Title: ITB #14-015/ Pump Station F Improvements

CH2M HILL Project No.: 406518

City of Key West Project No.: SE 1101

Bidder's person to contact for additional information on this Bid:

Company Name: CHARLEY TOPPINO & SONS, INC.

Contact Name: RONALD J. ARMSTRONG

Telephone: 305 296-5606

1. BIDDER'S DECLARATION AND UNDERSTANDING

1.1. The undersigned, hereinafter called the Bidder, declares that the only persons or parties interested in this Bid are those named herein, that this Bid is, in all respects, fair and without fraud, that it is made without collusion with any official of the Owner, and that the Bid is made without any connection or collusion with any person submitting another Bid on this Contract.

1.2. The Bidder further declares that he has carefully examined the Contract Documents for the construction of the project, that he has personally inspected the site, that he has satisfied himself as to the quantities involved, including materials and equipment, and conditions of work involved, including the fact that the description of the quantities of work and materials, as included herein, is brief and is intended only to indicate the general nature of the Work and to identify the said quantities with the detailed requirements of the Contract Documents, and that this Bid is made according to the provisions and under the terms of the Contract Documents, which Documents are hereby made a part of this Bid.

1.3. The Bidder further agrees, as evidenced by signing the Bid, that if awarded a Contract, the Florida Trench Safety Act and applicable trench safety standards will be complied with.

2. CONTRACT EXECUTION AND BONDS

2.1. The Bidder agrees that if this Bid is accepted, he will, within 10 days, not including Sundays and legal holidays, after Notice of Award, sign the Contract in the form annexed hereto, and will at that time, deliver to the Owner examples of the Performance Bond and Payment Bond required herein, and evidence of holding required licenses and certificates, and will, to the extent of his Bid, furnish all machinery, tools, apparatus, and other means of construction and do the Work and furnish all the materials necessary to complete all work as specified or indicated in the Contract Documents.

3. CERTIFICATES OF INSURANCE

3.1. Bidder agrees to furnish the Owner, before commencing the Work under this Contract, the certificates of insurance as specified in these Documents.

4. START OF CONSTRUCTION AND CONTRACT COMPLETION TIMES

4.1. The Bidder agrees to begin work within 10 calendar days after the date of the Notice to Proceed and to achieve Substantial Completion within 270 calendar days from the date when the Contract Times commence to run as provided in paragraph 2.03.A of the General Conditions, and Work will be completed and ready for final payment and acceptance in accordance with paragraph 14.07 of the General Conditions within 300 calendar days from the date when the Contract Times commence to run.

5. LIQUIDATED DAMAGES

5.1. In the event the Bidder is awarded the Contract, Owner and Bidder recognize that time is of the essence of this Agreement and that Owner will suffer financial loss if the Work is not completed within the times specified in paragraph Start of Construction and Contract Completion Times above, plus any extensions thereof allowed in accordance with Article 12 of the General Conditions. Owner and Bidder also recognize the delays, expense, and difficulties involved in proving in a legal or other dispute resolution proceeding the actual loss suffered by Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, Owner and Bidder agree that as liquidated damages for delay (but not as a penalty) Bidder shall pay Owner \$3,000.00 per day for each day that expires after the time specified for each substantial completion.

5.2. After Substantial Completion, if Bidder neglects, refuses, or fails to complete the remaining Work within the Contract Times or any Owner-granted extension thereof, Bidder shall pay Owner \$1,000.00 for each day that expires after the time specified in paragraph Start of Construction and Contract Completion Times, above for completion and readiness for final payment. Liquidated damages shall run concurrent.

5.3. Owner will recover such liquidated damages by deducting the amount owed from the final payment or any retainage held by Owner.

6. ADDENDA

6.1. The Bidder hereby acknowledges that he has received Addenda Nos. 1, 2, _____, _____, _____, (Bidder shall insert No. of each Addendum received) and agrees that all addenda issued are hereby made part of the Contract Documents, and the Bidder further agrees that his Bid(s) includes all impacts resulting from said addenda.

7. SALES AND USE TAXES

7.1. The Bidder agrees that all federal, state, and local sales and use taxes are included in the stated Bid Prices for the Work. Cash allowances DO NOT include any sales and use tax. Equipment allowance includes taxes as shown in Equipment Suppliers' Bid.

8. PUBLIC ENTITY CRIMES

8.1. "A person or affiliate 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 Section 287.017, for Category Two for a period of 36 months from the date of being placed on the convicted vendor list."

9. LUMP SUM ITEMS

9.1. The Bidder further proposes to accept as full payment for the Work proposed herein the amounts computed under the provisions of the Contract Documents and based on the following lump sum amounts. The Bidder agrees that the lump sums represent a true measure of labor and materials required to perform the Work, including all allowances for overhead and profit for each type and unit of work called for in these Contract Documents.

10. UNFORESEEN CONDITIONS ALLOWANCE

10.1. Bidder further agrees that the amount shown is an estimated amount to be included in the Total Base Bid for unforeseen conditions and conflicts. Bidder further acknowledges that payment will be based on actual costs as determined in conformance with the Contract Documents and as authorized by Work Change

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Directive. The Owner will negotiate with the Contractor how each Allowance will be spent prior to performing the work.

11. CONCRETE REPAIR ALLOWANCE

11.1. This allowance is for the removal and repair of the concrete wetwell and valve vault. Bidder acknowledges that payment will be based on a unit price for concrete repair that is 2-inches thick per square foot of surface area. The unit price is inclusive and includes but is not limited to material, equipment, labor and all appurtenances. The Owner will authorize repairs based on an agreed upon quantity prior to performing the work.

12. PERMIT ALLOWANCE

12.1. Bidder further acknowledges that this amount shown is an estimated amount to be included in the Total Base Bid for any Permits required by the City of Key West and any Regulatory Agency Permit(s). Bidder acknowledges that payment will be based on actual cost for the permit(s).

13. LANDSCAPE ALLOWANCE

13.1. Bidder further acknowledges that the amount shown is an estimated amount to be included in the Total Base Bid for any landscaping required by the City of Key West. Bidder further acknowledges that payment will be based on actual costs as determined in conformance with the Contract Documents and as authorized by Work Change Directive. The Owner will negotiate with the Contractor how each Allowance will be spent prior to performing the Work.

14. KEYS ENERGY SERVICE ALLOWANCE

14.1. Bidder further agrees that the amount shown is an estimated amount to be included in the Total Base Bid to cover payment to Keys Energy Service for electrical service. Bidder further acknowledges that payment will be based on actual amount paid as indicated by appropriate invoice.

Lump Sum Bid Price

A.	Pump Station F Modifications			\$ 1,376,744.252
B.	Unforeseen Conditions Allowance			\$200,000.00
C.	Concrete Repair Allowance	500 S.F.	\$ 28.00/S.F.	\$ 1,400.00
D.	Permit Allowance			\$ 50,000.00

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E. Landscape Allowance \$ 20,000.00
F. Keys Energy Allowance \$ 10,000.00

TOTAL BASE BID \$ 1,670,744.25
(Numerals)

ONE MILLION SIX HUNDRED SEVENTY THOUSAND, SEVEN HUNDRED FORTY FOUR Dollars
(Amount written in words has precedence)

and TWENTY FIVE Cents

SUBCONTRACTORS

14.2. The Bidder further proposes that the following subcontracting firms or businesses will be awarded subcontracts for the following portions of the Work in the event that the Bidder is awarded the Contract:

NEARSHORE ELECTRIC

Name

5680 1ST STREET # 5

KEY WEST, FL 33040

Street

City

State

Zip

FL KEYS ELECTRIC

Name

5730 2ND AVE

KEY WEST

FL 33040

Street

City

State

Zip

BELLA CONSTRUCTION

Name

111 US HWY # 1

KEY WEST

FL 33040

Street

City

State

Zip

DATA FLOW SYSTEMS

Name

605 NORTH JOHN RODES BLVD.

MELBOURNE, FL 32934-9104

Street

City

State

Zip

Surety

PW/DEN001/406518
AUGUST 4, 2014
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BID FORM
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HANOVER INSURANCE CO _____ whose address is
440 LINCOLN ST WORCESTER MA 01653
Street City State Zip

Bidder

The name of the Bidder submitting this Bid is CHARLEY TOPPINO & SONS, INC.
_____ doing business at
US HWY # 1, MM 8.5, ROCKLAND KEY, KEY WEST FL 33040
Street City State Zip

which is the address to which all communications concerned with this Bid and with the Contract shall be sent.

The names of the principal officers of the corporation submitting this Bid, or of the partnership, or of all persons interested in this Bid as principals are as follows:

FRANK P. TOPPINO	PRESIDENT
EDWARD TOPPINO, SR	SECRETARY
DANIEL P. TOPPINO	ASST. SECRETARY

If Sole Proprietor or Partnership

IN WITNESS hereto the undersigned has set his (its) hand this _____ day of _____, 20_____.

Signature of Bidder

Title

If Corporation

IN WITNESS WHEREOF the undersigned corporation has caused this instrument to be executed and its seal affixed by its duly authorized officers this 25 day of AUGUST, 20 14.



CHARLEY TOPPINO & SONS, INC.

Name of Corporation

By: Frank Toppino

Title: PRESIDENT

Attest: [Signature]
Secretary

END OF SECTION

FLORIDA BID BONDBOND NO. Not ApplicableAMOUNT: \$ 5% of Bid Proposal SubmittedKNOW ALL MEN BY THESE PRESENTS, that Charley Toppino & Sons, Inchereinafter called the Contractor (Principal), and The Hanover Insurance Company

a corporation duly organized and existing under and by virtue of the laws of the State of New Hampshire
~~XXXX~~ Florida, hereinafter called the Surety, and authorized to transact business within the State of
 Florida, as Surety, are held and firmly bound unto The City of Key West as Owner.

(Obligee), in the sum of: Five Percent of Bid Proposal Submitted

DOLLARS (\$ 5% of Bid Proposal Submitted), for the
 payment for which we bind ourselves, our heirs, executors, administrators, successors, and
 assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS BOND IS SUCH THAT:

WHEREAS, the Principal is herewith submitting his or its Bid Proposal for Construction of
 the Pump Station F Improvements, Key West, Florida, said Bid Proposal, by reference
 thereto, being hereby made a part hereof,

WHEREAS, the Principal contemplates submitting or has submitted a bid to the Obligee for
 the furnishing of all labor, materials (except those to be specifically furnished by the Owner),
 equipment, machinery, tools, apparatus, means of transportation for, and the performance of
 the work covered in the Proposal and the detailed Drawings and Specifications, entitled:

PUMP STATION F IMPROVEMENTS

WHEREAS, it was a condition precedent to the submission of said bid that a cashier's check,
 certified check, or bid bond in the amount of 5 percent of the base bid be submitted with said
 bid as a guarantee that the Bidder would, if awarded the Contract, enter into a written
 Contract with the Owner for the performance of said Contract, within 10 working days after
 written notice having been given of the award of the Contract.

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NOW, THEREFORE, the conditions of this obligation are such that if the Principal within 10 consecutive calendar days after written notice of such acceptance, enters into a written Contract with the Obligee and furnishes the Performance and Payment Bonds, each in an amount equal to 100 percent of the awarded base bid, satisfactory to the Owner, then this obligation shall be void; otherwise the sum herein stated shall be due and payable to the Obligee and the Surety herein agrees to pay said sum immediately upon demand of the Obligee in good and lawful money of the United States of America, as liquidated damages for failure thereof of said Principal.

Signed and sealed this 20th day of August, 20 14.

Charley Toppino & Sons, Inc

Principal

By: 

The Hanover Insurance Company

Surety

By: 

Attorney-In-Fact & FL Resident Agent, William L. Parker

END OF SECTION

**THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA**

**POWERS OF ATTORNEY
CERTIFIED COPY**

KNOW ALL MEN BY THESE PRESENTS: That THE HANOVER INSURANCE COMPANY and MASSACHUSETTS BAY INSURANCE COMPANY, both being corporations organized and existing under the laws of the State of New Hampshire, and CITIZENS INSURANCE COMPANY OF AMERICA, a corporation organized and existing under the laws of the State of Michigan, do hereby constitute and appoint

Charles C. Ball, Ileana M. Bauza, William F. Kleis, Davor I. Mimica and/or William L. Parker

of Miami, FL and each is a true and lawful Attorney(s)-in-fact to sign, execute, seal, acknowledge and deliver for, and on its behalf, and as its act and deed any place within the United States, or, if the following line be filled in, only within the area therein designated any and all bonds, recognizances, undertakings, contracts of Indemnity or other writings obligatory in the nature thereof, as follows:

Any such obligations in the United States, not to exceed Twenty Million and No/100 (\$20,000,000) in any single instance

and said companies hereby ratify and confirm all and whatsoever said Attorney(s)-in-fact may lawfully do in the premises by virtue of these presents. These appointments are made under and by authority of the following Resolution passed by the Board of Directors of said Companies which resolutions are still in effect:

"RESOLVED, That the President or any Vice President, in conjunction with any Vice President, be and they are hereby authorized and empowered to appoint Attorneys-in-fact of the Company, in its name and as its acts, to execute and acknowledge for and on its behalf as Surety any and all bonds, recognizances, contracts of indemnity, waivers of citation and all other writings obligatory in the nature thereof, with power to attach thereto the seal of the Company. Any such writings so executed by such Attorneys-in-fact shall be as binding upon the Company as if they had been duly executed and acknowledged by the regularly elected officers of the Company in their own proper persons." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

IN WITNESS WHEREOF, THE HANOVER INSURANCE COMPANY, MASSACHUSETTS BAY INSURANCE COMPANY and CITIZENS INSURANCE COMPANY OF AMERICA have caused these presents to be sealed with their respective corporate seals, duly attested by two Vice Presidents, this 28th day of November 2011.



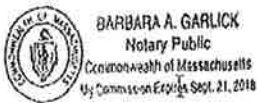
**THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA**

Robert Thomas
Robert Thomas, Vice President

Maria Fitzgerald
Maria Fitzgerald, Vice President

THE COMMONWEALTH OF MASSACHUSETTS)
COUNTY OF WORCESTER) ss.

On this 28th day of November 2011 before me came the above named Vice Presidents of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, to me personally known to be the individuals and officers described herein, and acknowledged that the seals affixed to the preceding instrument are the corporate seals of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, respectively, and that the said corporate seals and their signatures as officers were duly affixed and subscribed to said instrument by the authority and direction of said Corporations.



Barbara A. Garlick
Barbara A. Garlick, Notary Public
My Commission Expires September 21, 2018

I, the undersigned Vice President of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America, hereby certify that the above and foregoing is a full, true and correct copy of the Original Power of Attorney issued by said Companies, and do hereby further certify that the said Powers of Attorney are still in force and effect.

This Certificate may be signed by facsimile under and by authority of the following resolution of the Board of Directors of The Hanover Insurance Company, Massachusetts Bay Insurance Company and Citizens Insurance Company of America.

"RESOLVED, That any and all Powers of Attorney and Certified Copies of such Powers of Attorney and certification in respect thereto, granted and executed by the President or any Vice President in conjunction with any Vice President of the Company, shall be binding on the Company to the same extent as if all signatures therein were manually affixed, even though one or more of any such signatures thereon may be facsimile." (Adopted October 7, 1981 - The Hanover Insurance Company; Adopted April 14, 1982 - Massachusetts Bay Insurance Company; Adopted September 7, 2001 - Citizens Insurance Company of America)

GIVEN under my hand and the seals of said Companies, at Worcester, Massachusetts, this 20 day of August 2014.

**THE HANOVER INSURANCE COMPANY
MASSACHUSETTS BAY INSURANCE COMPANY
CITIZENS INSURANCE COMPANY OF AMERICA**

Glen Margosian
Glen Margosian, Vice President

ANTI-KICKBACK AFFIDAVIT

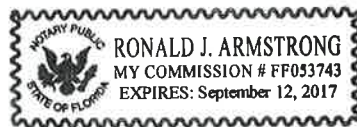
STATE OF FLORIDA)
 : SS
COUNTY OF MONROE)

I, the undersigned hereby duly sworn, depose and say that no portion of the sum herein bid will be paid to any employees of the City of Key West as a commission, kickback, reward or gift, directly or indirectly by me or any member of my firm or by an officer of the corporation.

By: Frank Joppino

Sworn and subscribed before me this
25 day of AUGUST, 2014

Ronald J. Armstrong
NOTARY PUBLIC, State of Florida
at Large



My Commission Expires: _____

END OF SECTION

**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.*

1. This sworn statement is submitted with Bid or Proposal for Pump Station F Improvements,
City of Key West, Florida
2. This sworn statement is submitted by CHARLEY TOPPINO & SONS, INC.
(name of entity submitting sworn statement)
whose business address is P.O. BOX 787, KEY WEST, FL 33041
_____ and (if applicable) its Federal Employer
Identification Number (FEIN) is 592426906
(If the entity has no FEIN, include the Social Security Number of the individual signing this
sworn statement _____)
3. My name is FRANK P. TOPPINO
(please print name of individual signing)
and my relationship to the entity named above is PRESIDENT
4. I understand that a "public entity crime" as defined in Paragraph 287.133(1)(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 bid or contract for goods or services to be provided to any public or an agency or political subdivision of any other state or of the United States and involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, material misrepresentation.
5. I understand that "convicted" or "conviction" as defined in Paragraph 287.133(1)(b), Florida Statutes, means a 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 record relating to charges brought by indictment information after July 1, 1989, as a result of a jury verdict, nonjury trial, or entry of a plea of guilty or nolo contendere.
6. I understand that an "affiliate" as defined in Paragraph 287.133(1)(a), Florida Statutes, means
 1. A predecessor or successor of a person convicted of a public entity crime; or
 2. 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 person of shares constituting controlling interest in another person, or a pooling of equipment or income among persons when not for fair market value under an arm's length agreement, shall be a prima facie case that one person controls another person. A person who knowingly enters into a joint venture with a person who has been convicted of a public entity crime in Florida during the preceding 36 months shall be considered an affiliate.

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7. I understand that a "person" as defined in Paragraph 287.133(1)(8), Florida Statutes, means any natural person or entity organized under the laws of any state or of the United States with the legal power to enter into a binding contract and which bids or applies to bid on contracts for the provision of goods or services let by a public entity, or which otherwise transacts or applies to transact business with public entity. The term "person" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in management of an entity.
8. 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).

X 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 any affiliate of the entity have been charged with and convicted of a public entity crime subsequent to July 1, 1989, AND (Please indicate which additional statement applies.)

There has been a proceeding concerning the conviction before a hearing of the State of Florida, Division of Administrative Hearings. The final order entered by the hearing officer did not place the person or affiliate on the convicted vendor list. (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 the 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 put on the convicted vendor list. (Please describe any action taken by or pending with the Department of General Services.)

Frank P. Toppino
(signature)

AUG 25, 2014

(date)

STATE OF FL

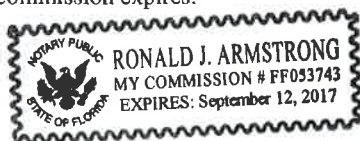
COUNTY OF MONROE

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

FRANK P. TOPPINO who, after first being sworn by me, affixed his/her
(name of individual signing)

signature in the space provided above on this 25 of AUGUST, 2014.

My commission expires:



Ronald J. Armstrong
NOTARY PUBLIC


PUBLIC ENTITY CRIMES
00 43 17 - 2

PW/DEN001/406518
AUGUST 4, 2014
©COPYRIGHT 2014 CH2M HILL

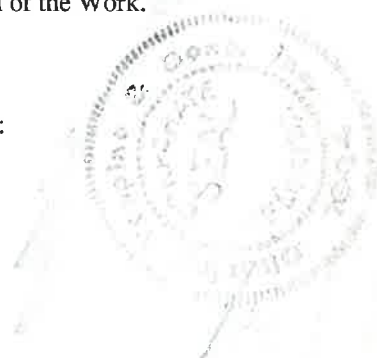
CITY OF KEY WEST INDEMNIFICATION FORM

To the fullest extent permitted by law, the CONTRACTOR expressly agrees to indemnify and hold harmless the City of Key West, their officers, directors, agents and employees *(herein called the "indemnitees") from liabilities, damages, losses and costs, including but not limited to, reasonable attorney's fees and court costs, such legal expenses to include costs incurred in establishing the indemnification and other rights agreed to in this Paragraph, to persons or property, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the CONTRACTOR, its Subcontractors or persons employed or utilized by them in the performance of the Contract. Claims by indemnitees for indemnification shall be limited to the amount of CONTRACTOR's insurance or \$1 million per occurrence, whichever is greater. The parties acknowledge that the amount of the indemnity required hereunder bears a reasonable commercial relationship to the Contract and it is part of the Project Specifications or the Bid Documents, if any.

The indemnification obligations under the Contract shall not be restricted in any way by any limitation on the amount or type of damages, compensation, or benefits payable by or for the CONTRACTOR under Workers' Compensation acts, disability benefits acts, or other employee benefits acts, and shall extend to and include any actions brought by or in the name of any employee of the CONTRACTOR or of any third party to whom CONTRACTOR may subcontract a part or all of the Work. This indemnification shall continue beyond the date of completion of the Work.

CONTRACTOR: CHARLEY TOPPINO & SONS, INC.
P.O. BOX 787, KEY WEST, FL 33401
Address

Signature
FRANK P. TOPPINO
Print Name
PRESIDENT
Title

SEAL:



DATE: 8-25-14

EQUAL BENEFITS FOR DOMESTIC PARTNERS AFFIDAVIT

STATE OF FLORIDA)
 : SS
COUNTY OF MONROE)

I, the undersigned hereby duly sworn, depose and say that the firm of CHARLEY TOPPINO & SONS, INC. provides benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses per City of Key West Ordinance Sec. 2-799.

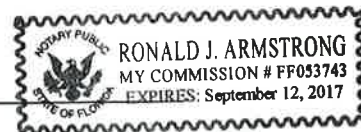
By: *Frank Toppino*

Sworn and subscribed before me this

25 day of AUGUST, 2014.

Ronald J. Armstrong
NOTARY PUBLIC, State of Florida at Large

My Commission Expires: _____



City Ordinance Sec. 2-799
Requirements for City Contractors to Provide Equal Benefits for Domestic Partners

(a) Definitions. For purposes of this section only, the following definitions shall apply:

- (1) **Benefits** means the following plan, program or policy provided or offered by a contractor to its employees as part of the employer's total compensation package: sick leave, bereavement leave, family medical leave, and health benefits.
- (2) **Bid** shall mean a competitive bid procedure established by the city through the issuance of an invitation to bid, request for proposals, request for qualifications, or request for letters of interest.
- (3) **Cash equivalent** means the amount of money paid to an employee with a domestic partner in lieu of providing benefits to the employee's domestic partner. The cash equivalent is equal to the employer's direct expense of providing benefits to an employee for his or her spouse.

The cash equivalents of the following benefits apply:

- a. For bereavement leave, cash payment for the number of days that would be allowed as paid time off for the death of a spouse. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.
 - b. For health benefits, the cost to the contractor of the contractor's share of the single monthly premiums that are being paid for the domestic partner employee, to be paid on a regular basis while the domestic partner employee maintains such insurance in force for himself or herself.
 - c. For family medical leave, cash payment for the number of days that would be allowed as time off for an employee to care for a spouse who has a serious health condition. Cash payment would be in the form of the wages of the domestic partner employee for the number of days allowed.
- (4) **Contract** means any written agreement, purchase order, standing order or similar instrument entered into pursuant to the award of a bid whereby the city is committed to expend or does expend funds in return for work, labor, professional services, consulting services, supplies, equipment, materials, construction, construction related services or any combination of the foregoing.
 - (5) **Contractor** means any person or persons, sole proprietorship, partnership, joint venture, corporation, or other form of doing business, that is awarded a bid and enters into a covered contract with the city, and which maintains five (5) or more full-time employees.
 - (6) **Covered contract** means a contract between the city and a contractor awarded subsequent to the date when this section becomes effective valued at over twenty thousand dollars (\$20,000).

- (7) ***Domestic partner*** shall mean any two adults of the same or different sex, who have registered as domestic partners with a governmental body pursuant to state or local law authorizing such registration, or with an internal registry maintained by the employer of at least one of the domestic partners. A contractor may institute an internal registry to allow for the provision of equal benefits to employees with domestic partner who do not register their partnerships pursuant to a governmental body authorizing such registration, or who are located in a jurisdiction where no such governmental domestic partnership registry exists. A contractor that institutes such registry shall not impose criteria for registration that are more stringent than those required for domestic partnership registration by the City of Key West pursuant to Chapter 38, Article V of the Key West Code of Ordinances.
 - (8) ***Equal benefits*** mean the equality of benefits between employees with spouses and employees with domestic partners, and/or between spouses of employees and domestic partners of employees.
- (b) Equal benefits requirements.
- (1) Except where otherwise exempt or prohibited by law, a Contractor awarded a covered contract pursuant to a bid process shall provide benefits to domestic partners of its employees on the same basis as it provides benefits to employees' spouses.
 - (2) All bid requests for covered contracts which are issued on or after the effective date of this section shall include the requirement to provide equal benefits in the procurement specifications in accordance with this section.
 - (3) The city shall not enter into any covered contract unless the contractor certifies that such contractor does not discriminate in the provision of benefits between employees with domestic partners and employees with spouses and/or between the domestic partners and spouses of such employees.
 - (4) Such certification shall be in writing and shall be signed by an authorized officer of the contractor and delivered, along with a description of the contractor's employee benefits plan, to the city's procurement director prior to entering into such covered contract.
 - (5) The city manager or his/her designee shall reject a contractor's certification of compliance if he/she determines that such contractor discriminates in the provision of benefits or if the city manager or designee determines that the certification was created, or is being used for the purpose of evading the requirements of this section.

- (6) The contractor shall provide the city manager or his/her designee, access to its records for the purpose of audits and/or investigations to ascertain compliance with the provisions of this section, and upon request shall provide evidence that the contractor is in compliance with the provisions of this section upon each new bid, contract renewal, or when the city manager has received a complaint or has reason to believe the contractor may not be in compliance with the provisions of this section. This shall include but not be limited to providing the city manager or his/her designee with certified copies of all of the contractor's records pertaining to its benefits policies and its employment policies and practices.
 - (7) The contractor may not set up or use its contracting entity for the purpose of evading the requirements imposed by this section.
- (c) Mandatory contract provisions pertaining to equal benefits. Unless otherwise exempt, every covered contract shall contain language that obligates the contractor to comply with the applicable provisions of this section. The language shall include provisions for the following:
- (1) During the performance of the covered contract, the contractor certifies and represents that it will comply with this section.
 - (2) The failure of the contractor to comply with this section will be deemed to be a material breach of the covered contract.
 - (3) If the contractor fails to comply with this section, the city may terminate the covered contract and all monies due or to become due under the covered contract may be retained by the city. The city may also pursue any and all other remedies at law or in equity for any breach.
 - (4) If the city manager or his designee determines that a contractor has set up or used its contracting entity for the purpose of evading the requirements of this section, the city may terminate the covered contract.
- (d) Enforcement. If the contractor fails to comply with the provisions of this section:
- (1) The failure to comply may be deemed to be a material breach of the covered contract; or
 - (2) The city may terminate the covered contract; or
 - (3) Monies due or to become due under the covered contract may be retained by the city until compliance is achieved; or
 - (4) The city may also pursue any and all other remedies at law or in equity for any breach;
 - (5) Failure to comply with this section may also subject contractor to the procedures set forth in Division 5 of this article, entitled "Debarment of contractors from city work."

(e) Exceptions and waivers.

The provisions of this section shall not apply where:

- (1) The contractor does not provide benefits to employees' spouses.
- (2) The contractor is a religious organization, association, society or any non-profit charitable or educational institution or organization operated, supervised or controlled by or in conjunction with a religious organization, association or society.
- (3) The contractor is a governmental entity.
- (4) The sale or lease of city property.
- (5) The provision of this section would violate grant requirement, the laws, rules or regulations of federal or state law (for example, The acquisition services procured pursuant to Chapter 287.055, Florida Statutes known as the "Consultants' Competitive Negotiation Act").
- (6) Provided that the contractor does not discriminate in the provision of benefits, a contractor may also comply with this section by providing an employee with the cash equivalent of such benefits, if the city manager or his/her designee determines that either:
 - a. The contractor has made a reasonable yet unsuccessful effort to provide equal benefits. The contractor shall provide the city manager or his/her designee with sufficient proof of such inability to provide such benefit or benefits which shall include the measures taken to provide such benefits or benefits and the cash equivalent proposed, along with its certificate of compliance, as is required under this section.
- (7) The city commission waives compliance of this section in the best interest of the city, including but not limited to the following circumstances:
 - a. The covered contract is necessary to respond to an emergency.
 - b. Where only one bid response is received.
 - c. Where more than one bid response is received, but the bids demonstrate that none of the bidders can comply with the requirements of this section.
- (f) City's authority to cancel contract. Nothing in this section shall be construed to limit the city's authority to cancel or terminate a contract, deny or withdraw approval to perform a subcontract or provide supplies, issue a non-responsibility finding, issue a non-responsiveness finding, deny a person or entity prequalification, or otherwise deny a person or entity city business.
- (g) Timing of application. This section shall be applicable only to covered contracts awarded pursuant to bids which are after the date when this section becomes effective.

CITY OF KEY WEST BUSINESS LICENSE TAX RECEIPT

1. A City of Key West Business License Tax Receipt is required for this Project. Contractor must be general contractor or building contractor or engineering contractor. Fee not to exceed \$309.75.
2. A City of Key West Business License Tax Receipt also is required as for sub-contracting landscaping contractor, engineering services, and professional surveying.
3. A Business License Tax Application can be found on the City's web site.

<http://www.keywestcity.com/egov/docs/1162843921181.htm>

Business License Tax Application

City of Key West
City Hall Annex
PO Box 1409
Key West, FL 33041

Date Applied _____

License # _____

Phone 305-809-3955

Fax 305-809-3978

Business Type: _____

Business Name: _____

Business Location: _____

Business Owner: _____

State Licensed Qualifier (if applicable): _____

Mailing Address: _____

EIN / SS # _____ Phone # _____

Applicant name (printed) _____

Applicant signature _____

Date _____

State of Florida

County of Monroe

The foregoing instrument was acknowledged before me this ____ day of ____, 20__, by

(stamp or seal). Personally known _____
Signature of Notary Public Produced id _____

____ Sales Tax number 3106 Flagler Ave 292-6735 City utility acct _____

____ Commercial garbage Waste Mgmt 296-8297 _____

____ Lease or deed _____

____ State License DBPR 850-487-1395 / Dept Ag 305-470-6900

____ Home occupation application

____ Fictitious Name registration

Previous use _____

____ Corporate or LLC registration

____ Liability / Worker's Comp

Zoning _____

____ Fire Inspector 292-8179

____ CO / final inspection on any permits

Category _____ Fee \$ _____

____ Monroe County or local licensing

Licensed in accordance with Chapter 66, Key West Code of Ordinances

____ Approved _____ Denied Reason _____

Licensing Official

Date

CONE OF SILENCE AFFIDAVIT

STATE OF FL)
) : SS
 COUNTY OF MONROE)

I the undersigned hereby duly sworn depose and say that all owner(s), partners, officers, directors, employees and agents representing the firm of CHARLEY TOPPINO & SONS, INC. have read and understand the limitations and procedures regarding communications concerning City of Key West issued competitive solicitations pursuant to City of Key West Ordinance Section 2-773 Cone of Silence (attached).

Y Frank Toppino

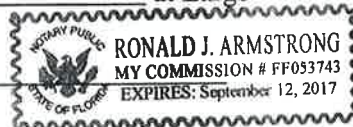
Sworn and subscribed before me this

25 day of AUGUST, 2014.

Ronald J. Armstrong

NOTARY PUBLIC, State of FL at Large

My Commission Expires: _____



Sec. 2-773. Cone of Silence

(a) Definitions. For purposes of this section, reference to one gender shall include the other, use of the plural shall include the singular, and use of the singular shall include the plural. The following definitions apply unless the context in which the word or phrase is used requires a different definition:

- 1) *Competitive Solicitation* means a formal process by the City of Key West relating to the acquisition of goods or services, which process is intended to provide an equal and open opportunity to qualified persons and entities to be selected to provide the goods or services. Competitive Solicitation shall include request for proposals ("RFP"), request for qualifications ("RFQ"), request for letters of interest ("RFLI"), invitation to bid ("ITB") or any other advertised solicitation.
- 2) *Cone of Silence* means a period of time during which there is a prohibition on communication regarding a particular Competitive Solicitation.
- 3) *Evaluation or Selection Committee* means a group of persons appointed or designated by the City to evaluate, rank, select, or make a recommendation regarding a Vendor or the Vendor's response to the Competitive Solicitation. A member of such a committee shall be deemed a city official for the purposes of subsection (c) below.
- 4) *Vendor* means a person or entity that has entered into or that desires to enter into a contract with the City of Key West or that seeks an award from the City to provide goods, perform a service, render an opinion or advice, or make a recommendation related to a Competitive Solicitation for compensation or other consideration.
- 5) *Vendor's Representative* means an owner, individual, employee, partner, officer, or member of the board of directors of a Vendor, or a consultant, lobbyist, or actual or potential subcontractor or sub consultant who acts at the behest of a Vendor in communicating regarding a Competitive Solicitation.

(b) Prohibited Communications: A Cone of Silence shall be in effect during the course of a Competitive Solicitation and prohibit:

- 1) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the City's administrative staff including, but not limited to, the city manager and his or her staff;
- 2) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and the Mayor, City Commissioners, or their respective staff;

- 3) Any communication regarding a particular Competitive Solicitation between a potential Vendor or Vendor's Representative and any member of a City evaluation and/or selection committee therefore; and
 - 4) Any communication regarding a particular Competitive Solicitation between the Mayor, City Commissioners, or their respective staff, and a member of a City evaluation and/or selection committee therefore.
- (c) Permitted Communications: Notwithstanding the foregoing, nothing contained herein shall prohibit:
- 1) Communication between members of the public who are not Vendors or a Vendor's representative and any city employee, official or member of the City Commission;
 - 2) Communications in writing at any time with any city employee, official or member of the City Commission, unless specifically prohibited by the applicable Competitive Solicitation.
 - (A) However, any written communication must be filed with the City Clerk. Any City employee, official or member of the City Commission receiving or making any written communication must immediately file it with the City Clerk.
 - (B) The City Clerk shall include all written communication as part of the agenda item when publishing information related to a particular Competitive Solicitation.
 - 3) Oral communications at duly noticed pre-bid conferences;
 - 4) Oral presentations before publically noticed evaluation and/or selection committees;
 - 5) Contract discussions during any duly noticed public meeting;
 - 6) Public presentations made to the City Commission or advisory body thereof during any duly noticed public meeting;
 - 7) Contract negotiations with city staff following the award of a Competitive Solicitation by the City Commission; or
 - 8) Purchases exempt from the competitive process pursuant to section 2-797 of these Code of Ordinances.

(d) Procedure

- 1) The Cone of Silence shall be imposed upon each Competitive Solicitation at the time of Public Notice of such solicitation as provided by section 2-826 of this Code. Public notice of the Cone of Silence shall be included in the notice of the Competitive Solicitation. The city manager shall issue a written notice of the release of each Competitive Solicitation to the affected departments, with a copy thereof to each Commission member, and shall include in any public solicitation for goods and services a statement disclosing the requirements of this ordinance.
- 2) The Cone of Silence shall terminate at the time the City Commission or other authorized body makes final award or gives final approval of a contract, rejects all bids or responses to the Competitive Solicitation, or takes other action which ends the Competitive Solicitation.
- 3) Any City employee, official or member of the City Commission that is approached concerning a Competitive Solicitation while the Cone of Silence is in effect shall notify such individual of the prohibitions contained in this section. While the Cone of Silence is in effect, any City employee, official or member of the City Commission who is the recipient of any oral communication by a potential Vendor or Vendor's Representative in violation of this section shall create a written record of the event. The record shall indicate the date of such communication, the persons with whom such communication occurred, and a general summation of the communication.

(e) Violations/penalties and procedures.

- 1) A sworn complaint alleging a violation of this ordinance may be filed with the City Attorney's office. In each such instance, an initial investigation shall be performed to determine the existence of a violation. If a violation is found to exist, the penalties and process shall be as provided in section 1-15 of this Code.
- 2) In addition to the penalties described herein and otherwise provided by law, a violation of this ordinance shall render the Competitive Solicitation void at the discretion of the City Commission.
- 3) Any person who violates a provision of this section shall be prohibited from serving on a City of Key West advisory board, evaluation and/or selection committee.
- 4) In addition to any other penalty provided by law, violation of any provision of this ordinance by a City of Key West employee shall subject said employee to disciplinary action up to and including dismissal.

- 5) If a Vendor is determined to have violated the provisions of this section on two more occasions it shall constitute evidence under City Code section 2-834 that the Vendor is not properly qualified to carry out the obligations or to complete the work contemplated by any new Competitive Solicitation. The City's Purchasing Agent shall also commence any available debarment from city work proceeding that may be available upon a finding of two or more violations by a Vendor of this section.

**LOCAL VENDOR CERTIFICATION PURSUANT TO CKW ORDINANCE 09-22
SECTION 2-798**

The undersigned, as a duly authorized representative of the vendor listed herein, certifies to the best of his/her knowledge and belief, that the vendor meets the definition of a "Local Business." For purposes of this section, "local business" shall mean a business which:

- a. Principle address as registered with the FL Department of State located within 30 miles of the boundaries of the city, listed with the chief licensing official as having a business tax receipt with its principle address within 30 miles of the boundaries of the city for at least one year immediately prior to the issuance of the solicitation.
- b. Maintains a workforce of at least 50 percent of its employees from the city or within 30 miles of its boundaries.
- c. Having paid all current license taxes and any other fees due the city at least 24 hours prior to the publication of the call for bids or request for proposals.
 - Not a local vendor pursuant to Ordinance 09-22 Section 2-798
 - Qualifies as a local vendor pursuant to Ordinance 09-22 Section 2-798

If you qualify, please complete the following in support of the self certification & submit copies of your County and City business licenses. Failure to provide the information requested will result in denial of certification as a local business.

Business Name CHARLEY TOPPINO & SONS, INC. Phone: 305 296-5606
 US HWY # 1, MM 8.5, ROCKLAND KEY, KEY WEST, FL 33040
 Current Local Address: Fax: 305 296-5189
 (P.O Box numbers may not be used to establish status)

Length of time at this address 25 YEARS



 Signature of Authorized Representative

8-25-14

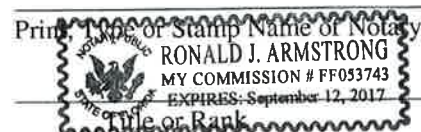
Date

STATE OF FL
 COUNTY OF MONROE

The foregoing instrument was acknowledged before me this 25 day of AUG, 20 14.
 By FRANK P. TOPPINO, of CHARLEY TOPPINO & SONS, INC.
 (Name of officer or agent, title of officer or agent) Name of corporation acknowledging)
 or has produced _____ as identification
 (type of identification)


 Signature of Notary

Return Completed form with
 Supporting documents to:
 City of Key West Purchasing



BIDDER'S CHECKLIST

(Note: The purpose of this checklist is to serve as a reminder of major items to be addressed in submitting a Bid and is not intended to be all inclusive. It does not alleviate the Bidder from the responsibility of becoming familiar with all aspects of the Contract Documents and proper completion and submission of their Bid.)

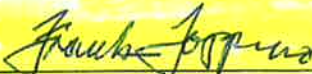
- | | |
|--|-------|
| 1. All Contract Documents thoroughly read and understood. | [x] |
| 2. All blank spaces in Bid Form filled in, using black ink. | [x] |
| 3. Total and unit prices added correctly. | [x] |
| 4. Addenda acknowledged. | [x] |
| 5. Subcontractors are named as indicated in the Bid Form. | [x] |
| 6. Experience record included. | [x] |
| 7. Bid signed by authorized officer. | [x] |
| 8. Bid Bond completed and executed, including power-of-attorney dated the same date as Bid Bond. | [x] |
| 9. Bidder familiar with federal, state, and local laws, ordinances, rules and regulations affecting performance of the work. | [x] |
| 10. Bidder, if successful, able to obtain and/or demonstrate possession of required licenses and certificates within (10) ten calendar days after receiving a Notice of Award. | [x] |
| 11. Bid submitted intact with the volume containing the Bidding Requirements, Contract Forms, and Conditions of the Contract and six copies. | [x] |
| 12. Bid Documents submitted in sealed envelope and addressed and labeled in conformance with the instructions in the Invitation to Bid. | [x] |
| 13. Bidder must provide satisfactory documentation of State Licenses. | [x] |

END OF SECTION

DISCLOSURE OF LOBBYING ACTIVITIES

Complete this form to disclose lobbying activities pursuant to 31 U.S.C. 1352
(See reverse for public burden disclosure.)

1. Type of Federal Action: <input type="checkbox"/> a. contract b. grant c. cooperative agreement d. loan e. loan guarantee f. loan insurance	2. Status of Federal Action: <input type="checkbox"/> a. bid/offer/application b. initial award c. post-award <p style="text-align: center; font-size: 2em;">NA</p>	3. Report Type: <input type="checkbox"/> a. initial filing b. material change For Material Change Only: year _____ quarter _____ date of last report _____
4. Name and Address of Reporting Entity: <input type="checkbox"/> Prime <input type="checkbox"/> Subawardee Tier _____, if known: Congressional District, if known:	5. If Reporting Entity in No. 4 is Subawardee, Enter Name and Address of Prime: Congressional District, if known:	
6. Federal Department/Agency:	7. Federal Program Name/Description: CFDA Number, if applicable: _____	
8. Federal Action Number, if known:	9. Award Amount, if known: \$	

10. a. Name and Address of Lobbying Entity <i>(if individual, last name, first name, MI):</i> <i>(attach Continuation Sheet(s))</i>	b. Individuals Performing Services <i>(including address if different from No. 10a)</i> <i>(last name, first name, MI):</i> <i>SF-LLLA, if necessary)</i>
11. Information requested through this form is authorized by title 31 U.S.C. section 1352. This disclosure of lobbying activities is a material representation of fact upon which reliance was placed by the tier above when this transaction was made or entered into. This disclosure is required pursuant to 31 U.S.C. 1352. This information will be reported to Congress semi-annually and will be available for public inspection. Any person who fails to file the required disclosure shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.	Signature:  <hr/> Print Name: FRANK P. TOPPINO <hr/> Title: PRESIDENT <hr/> Telephone No.: 305 296-5606 Date: 8-25-14 <hr/>
Federal Use Only:	Authorized for Local Reproduction Standard Form – LLL (Rev 7 – 97)

FORM DEP 55-221 (01/01)

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime Federal recipient, at the initiation or receipt of a covered Federal action, or a material change to a previous filing, pursuant to title 31 U.S.C. section 1352. The filing of a form is required for each payment or agreement to make payment to any lobbying entity for influencing or attempting to influence 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 a covered Federal action. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

- 1. Identify the type of covered Federal action for which lobbying activity is and/or has been secured to influence the outcome of a covered Federal action.**
- 2. Identify the status of the covered Federal action.**
- 3. Identify the appropriate classification of this report. If this is a follow up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last previously submitted report by the reporting entity for this covered Federal action.**
- 4. Enter the full name, address, city, state and zip code of the reporting entity. Include Congressional District, if known. Check the appropriate classification of the reporting entity that designates if it is or expects to be, a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the 1st tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.**
- 5. If the organization filing the report in item 4 checks "Subawardee", then enter the full name, address, city, state and zip code of the prime Federal recipient. Include Congressional District, if known.**
- 6. Enter the name of the Federal agency making the award or loan commitment. Include at least one organizational level below agency name, if known. For example, Department of Transportation, United States Coast Guard.**
- 7. Enter the Federal program name or description for the covered Federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans, and loan commitments.**

8. Enter the most appropriate Federal identifying number available for the Federal action identified in item 1 (e.g., Request for Proposal (RFP) number; Invitation for Bid (IFB) number; grant announcement number; the contract, grant, or loan award number; the application/proposal control number assigned by the Federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered Federal action where there has been an award or loan commitment by the Federal agency, enter the Federal amount of the award/loan commitment for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, state and zip code of the lobbying entity engaged by the reporting entity identified in item 4 to influence the covered Federal action.

(b) Enter the full names of the individual(s) performing services, and include full address if different from 10 (a). Enter Last Name, First Name, and Middle Initial (MI).
11. The certifying official shall sign and date the form, print his/her name, title and telephone number.

According to the Paperwork Reduction Act, as amended, no persons are required to respond to a collection of information unless it displays a valid OMB Control Number. The valid OMB control number for this information collection is OMB No. 0348-0046. Public reporting burden for this collection of information is estimated to average 30 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503.

Form DEP 55-221 (01/01)

**NON-COLLUSION DECLARATION AND
COMPLIANCE WITH 49 CFR §29.**

ITEM/SEGMENT NO.: _____
 F.A.P. NO.: _____
 PARCEL NO.: _____
 COUNTY OF: MONROE
 BID LETTING OF: SEPT17, 2014

I, FRANK P. TOPPINO, hereby
 declare that I am PRESIDENT (NAME) of CHARLEY TOPPINO & SONS, INC.
 (TITLE) KEY WEST, FL (FIRM)
 Of _____
 (CITY AND STATE)

and that I am the person responsible within my firm for the final decision as to the price(s) and amount of this Bid on this State Project.

I further declare that:

1. The prices(s) and amount of this bid have been arrived at independently, without consultation, communication or agreement, for the purpose of restricting competition with any other contractor, bidder or potential bidder.
2. Neither the price(s) nor the amount of this bid have been disclosed to any other firm or person who is a bidder or potential bidder on this project, and will not be so disclosed prior to the bid opening.
3. No attempt has been made or will be made to solicit, cause or induce any other firm or person to refrain from bidding on this project, or to submit a bid higher than the bid of this firm, or any intentionally high or non-competitive bid or other form of complementary bid.
4. The bid of my firm is made in good faith and not pursuant to any agreement or discussion with, or inducement from, any firm or person to submit a complementary bid.
5. My firm has not offered or entered into a subcontract or agreement regarding the purchase of materials or services from any firm or person, or offered, promised or paid cash or anything of value to any firm or person, whether in connection with this or any other project, in consideration for an agreement or promise by any firm or person to refrain from bidding or to submit a complementary bid on this project.
6. My firm has not accepted or been promised any subcontract or agreement regarding the sale of materials or services to any firm or person, and has not been promised or paid cash or anything of value by any firm or person, whether in connection with this or any other project, in consideration for my firm's submitting a complementary bid, or agreeing to do so, on this project.
7. I have made a diligent inquiry of all members, officers, employees, and agents of my firm with responsibilities relating to the preparation, approval or submission of my firm's bid on this project and have been advised by each of them that he or she has not participated in any communication, consultation, discussion, agreement, collusion, act or other conduct inconsistent with any of the statements and representations made in this Declaration.

406518B.GN1

8. As required by Section 337.165, Florida Statutes, the firm has fully informed the Department of Transportation in writing of all convictions of the firm, its affiliates (as defined in Section 337.165(l)(a), Florida Statutes), and all directors, officers, and employees of the firm and its affiliates for violation of state or federal antitrust laws with respect to a public contract or for violation of any state or federal law involving fraud, bribery, collusion, conspiracy or material misrepresentation with respect to a public contract. This includes disclosure of the names of current employees of the firm or affiliates who were convicted of contract crimes while in the employ of another company.

9. I certify that, except as noted below, neither my firm nor any person associated therewith in the capacity of owner, partner, director, officer, principal, investigator, project director, manager, auditor, and/or position involving the administration of Federal funds:

(a) is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions, as defined in 49 CFR §29.110(a), by any Federal department or agency;

(b) has within a three-year period preceding this certification been convicted of or had a civil judgment rendered against him or her for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a Federal, State or local government transaction or public contract; violation of Federal or State antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements or receiving stolen property;

(c) is presently indicted for or otherwise criminally or civilly charged by a Federal, State or local governmental entity with commission of any of the offenses enumerated in paragraph 9(b) of this certification; and

(d) has within a three-year period preceding this certification had one or more Federal, State or local government public transactions terminated for cause or default..

10. I(We), certify that I(We), shall not knowingly enter into any transaction with any subcontractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from participation in this contract by any Federal Agency unless authorized by the Department.

Where I am unable to declare or certify as to any of the statements contained in the above stated paragraphs numbered (1) through (10), I have provided an explanation in the "Exceptions" portion below or by attached separate sheet.

EXCEPTIONS:

406518B.GN1

(Any exception listed above will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted, indicate to whom it applies, initiating agency and dates of agency action.

Providing false information may result in criminal prosecution and/or administrative sanctions.)

I declare under penalty of perjury that the foregoing is true and correct.

CONTRACTOR: (Seal)

BY: FRANK P. TOPPINO, PRESIDENT
NAME AND TITLE PRINTED

WITNESS: RONALD J. ARMSTRONG

BY: 
SIGNATURE

WITNESS: 

Executed on this 25 day of AUGUST 2014

**FAILURE TO FULLY COMPLETE AND EXECUTE THIS DOCUMENT
MAY RESULT IN THE BID BEING DECLARED NONRESPONSIVE**

FLORIDA TRENCH SAFETY ACT COMPLIANCE
Trench Excavation Safety System and Shoring


CERTIFICATION

All excavation, trenching, and related sheeting, bracing, etc. on this project shall conform to the requirements of the Florida Trench Safety Act (90-96, CS/SB 2626), which incorporates by reference, OSHA's excavation safety standards, 29 CFR 1926.650 Subpart P including all subsequent revisions or updates to these standards.

By submission of this bid and subsequent execution of this Contract, the undersigned certifies compliance with the above mentioned standards and further stipulates that all costs associated with this compliance are detailed below as well as included in their lump sum bid amount.

Summary of Costs:

Trench Safety Measure	Units	Quantity	Unit Cost	Extended Cost
A. <u>TRENCH BOX</u>	<u>EA</u>	<u>1</u>	<u>1,000.00</u>	<u>1,000.00</u>
B. _____	_____	_____	_____	_____


 Signature 8-25-14

Date _____

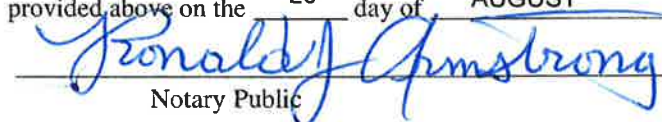
STATE OF FL

COUNTY OF MONROE

PERSONALLY APPEARED BEFORE ME, the undersigned authority,

FRANK P. TOPPINO _____, who, after first being sworn by me affixed his /her signature in the space,

provided above on the 25 day of AUGUST, 20 14.


 Notary Public

MY COMMISSION EXPIRES: _____



SUSPENSION AND DEBARMENT CERTIFICATION

CERTIFICATION REGARDING DEBARMENTS, SUSPENSION, INELIGIBILITY AND VOLUNTARY EXCLUSION-LOWER TIER FEDERALLY FUNDED TRANSACTIONS

1. The undersigned hereby certifies that neither it nor its principals is presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in this transaction by any Federal department or agency.
2. The undersigned also certifies that it and its principals:
 - (a) Have not within a three-year period preceding this certification been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State anti-trust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
 - (b) Are not presently indicted for or otherwise criminally or civilly charged by a governmental entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph 2 (a) of this Certification; and
 - (c) Have not within a three-year period preceding this certification had one or more public transactions (Federal, State or local) terminated for cause or default.
3. Where the undersigned is unable to certify to any of the statements in this certification, an explanation shall be attached to this certification.

Dated this day of, 20 AUG 25, 2014

By

Authorized Signature/Contractor

FRANK P. TOPPINO, PRESIDENT

Typed Name/Title

CHARLEY TOPPINO & SONS, INC.

Contractor's Firm Name

P.O. BOX 787

Street Address

Building, Suite Number

KEY WEST, FL 33041

City, State, Zip Code

305 296-5606

Area Code/ Telephone Number

406518

00 44 04

STATE OF FLORIDA
DEPARTMENT OF BUSINESS AND PROFESSIONAL REGULATION
CONSTRUCTION INDUSTRY LICENSING BOARD

LICENSE NUMBER

RG00045369

The GENERAL CONTRACTOR

Named below HAS REGISTERED

Under the provisions of Chapter 489 FS.

Expiration date: AUG 31, 2015

(INDIVIDUAL MUST MEET ALL LOCAL LICENSING
REQUIREMENTS PRIOR TO CONTRACTING IN ANY AREA)

TOPPINO, FRANK P
CHARLEY TOPPINO & SONS INC
POST OFFICE BOX 787
KEY WEST FL 33041-0787

RICK SCOTT
GOVERNOR

ISSUED: 06/30/2013 SEQ # L1306300000340
DISPLAY AS REQUIRED BY LAW

KEN LAWSON
SECRETARY



**2013 / 2014
MONROE COUNTY BUSINESS TAX RECEIPT
EXPIRES SEPTEMBER 30, 2014**

Business Name: CHARLEY TOPPINO & SONS INC

RECEIPT# 30140-89799

Owner Name: FRANK TOPPINO, JOHN P TOPPINO
Mailing Address: QUALIFIER
BOX 787
KEY WEST, FL 33041

Business Location: US HWY 1
KEY WEST, FL 33040
Business Phone: 305-296-5606
Business Type: CONTRACTOR (GENERAL & ENGINEERING
CONTRACTORS)

Employees 70

COMP CARD: ENG 1 131A

STATE LICENSE: CGC1518488

Tax Amount	Transfer Fee	Sub-Total	Penalty	Prior Years	Collection Cost	Total Paid
250.00	0.00	250.00	0.00	0.00	0.00	250.00

Paid 115-12-00005362 08/19/2013 250.00

THIS BECOMES A TAX RECEIPT
WHEN VALIDATED

Danise D. Henriquez, CFC, Tax Collector
PO Box 1129, Key West, FL 33041

THIS IS ONLY A TAX.
YOU MUST MEET ALL
COUNTY AND/OR
MUNICIPALITY PLANNING
AND ZONING REQUIREMENTS.

**2013 / 2014
MONROE COUNTY BUSINESS TAX RECEIPT
EXPIRES SEPTEMBER 30, 2014**

Business Name: TOPPINO FRANK P

RECEIPT# 30140-9142

Owner Name: FRANK P TOPPINO

Mailing Address:
PO BOX 787
KEY WEST, FL 33040

Business Location: US HWY 1
KEY WEST, FL 33040

Business Phone: 305-296-5606
Business Type: CONTRACTOR (GENERAL/ENGINEERING
CONTRACTOR)

Employees 30

STATE LICENSE: RG0045369/GC

Tax Amount	Transfer Fee	Sub-Total	Penalty	Prior Years	Collection Cost	Total Paid
125.00	0.00	125.00		0.00	0.00	125.00

Paid 115-12-00005363 08/19/2013 125.00

THIS BECOMES A TAX RECEIPT
WHEN VALIDATED

Danise D. Henriquez, CFC, Tax Collector
PO Box 1129, Key West, FL 33041

THIS IS ONLY A TAX.
YOU MUST MEET ALL
COUNTY AND/OR
MUNICIPALITY PLANNING
AND ZONING REQUIREMENTS.

**2013 / 2014
MONROE COUNTY BUSINESS TAX RECEIPT
EXPIRES SEPTEMBER 30, 2014**

Business Name: CHARLEY TOPPINO & SONS INC

RECEIPT# 46110-89800

Owner Name: EDWARD TOPPINO SR

Business Location: 8.5 ROCKLAND KEY
KEY WEST, FL 33040

Mailing Address:

P O BOX 787
KEY WEST, FL 33041

Business Phone:

Business Type: PROFESSIONAL (ENG CLASS I CC 749 A)

STATE LICENSE: CC749A

Tax Amount	Transfer Fee	Sub-Total	Penalty	Prior Years	Collection Cost	Total Paid
30.00	0.00	30.00	0.00	0.00	0.00	30.00

Paid 115-12-00005358 08/19/2013 30.00

THIS BECOMES A TAX RECEIPT
WHEN VALIDATED

Danise D. Henriquez, CFC, Tax Collector
PO Box 1129, Key West, FL 33041

THIS IS ONLY A TAX.
YOU MUST MEET ALL
COUNTY AND/OR
MUNICIPALITY PLANNING
AND ZONING REQUIREMENTS.

CITY OF KEY WEST, FLORIDA

Business Tax Receipt

This Document is a business tax receipt
Holder must meet all City zoning and use provisions.
P.O. Box 1409, Key West, Florida 33040 (305) 809-3955

Business Name T AND B DRILLING LLC CtlNbr:0018407
Location Addr M M 9 ROCKLAND KEY
Lic NBR/Class 14-00022594 CONTRACTOR - SPEC WELL DRILLING
Issue Date: September 18, 2013 Expiration Date: September 30, 2014
License Fee \$98.70
Add. Charges \$0.00
Penalty \$0.00
Total \$98.70

Comments: LEONARD, GEORGE, QUALIFIER

KARL SICKLE, SECONDARY QUALIFI

Oper: CWALKER Type: OC Drawer: 1
Date: 9/18/13 56 Receipt no: 188057
2014 22594

OR LIC OCCUPATIONAL RENEWAL

1.00

\$98.70

This document must be prominently displayed.

\$98.70

\$98.70

T AND B DRILLING INC

\$98.70

T AND B DRILLING LLC
P.O. BOX 787

Trans date: 9/18/13 Time: 13:48:54

KEY WEST FL 33041

CITY OF KEY WEST, FLORIDA

Business Tax Receipt

This Document is a business tax receipt

Holder must meet all City zoning and use provisions.

P.O. Box 1409, Key West, Florida 33040 (305) 809-3955

Business Name CHARLEY TOPPINO & SONS (EDWAR) CtlNbr:0005358
Location Addr MM 8 1/2 ROCKLAND KEY
Lic NBR/Class 14-00017557 CONTRACTOR - REG ENGINEERING I
Issue Date: September 18, 2013 Expiration Date: September 30, 2014
License Fee \$309.75
Add. Charges \$0.00
Penalty \$0.00
Total \$309.75

Comments:

Oper: CWALKER Type: OC Drawer: 1
Date: 9/18/13 56 Receipt no: 100053
2014 17557
OR LIC OCCUPATIONAL RENEWAL

This document must be prominently displayed.

Ex Check 1.00 \$309.75
Total tendered 59647 \$309.75
Total payment CHARLEY TOPPINO & SONS, INC. \$309.75

CHARLEY TOPPINO & SONS (EDWAR)
EDWARD TOPPINO
P.O. BOX 787
KEY WEST FL 33041

Trans date: 9/18/13 Time: 13:45:39

CITY OF KEY WEST, FLORIDA

Business Tax Receipt

This Document is a business tax receipt
Holder must meet all City zoning and use provisions.
P.O. Box 1409, Key West, Florida 33040 (305) 809-3955

Business Name	CHARLEY TOPPINO & S (FRANK RG)	CtlNbr:0005344
Location Addr	2011 FLAGLER AVE	
Lic NBR/Class	14-00023997 CONTRACTOR - REG GENERAL	
Issue Date:	September 18, 2013	Expiration Date: September 30, 2014
License Fee	\$309.75	
Add. Charges	\$0.00	
Penalty	\$0.00	
Total	\$309.75	
Comments:	Oper: CWALKER Type: OC Drawer: 1 Date: 9/18/13 56 Receipt no: 100054 2014 23997 OR LIC OCCUPATIONAL RENEWAL 1.00 \$309.75 This document must be prominently displayed. 59649 \$309.75 Total tendered \$309.75 FRANK P. TOPPINO \$309.75	

CHARLEY TOPPINO & S (FRANK RG)
POB 787

Trans date: 9/18/13 Time: 13:46:41

KEY WEST FL 33041

CITY OF KEY WEST, FLORIDA

Business Tax Receipt

This Document is a business tax receipt
Holder must meet all City zoning and use provisions.
P.O. Box 1409, Key West, Florida 33040 (305) 809-3955

Business Name CHARLEY TOPPINO & S (FRANK ENG CtlNbr:0010428
Location Addr 2011 FLAGLER AVE
Lic NBR/Class 14-00023996 CONTRACTOR - REG ENGINEERING I
Issue Date: September 18, 2013 Expiration Date: September 30, 2014
License Fee \$309.75
Add. Charges \$0.00
Penalty \$0.00
Total \$309.75

Comments:

Oper: CWALKER Type: OC Drawer: 1
Date: 9/18/13 56 Receipt no: 100056
2014 23996

OR LIC OCCUPATIONAL RENEWAL
1.00 \$309.75

This document must be prominently displayed.

CHARLEY TOPPINO & SONS, INC. \$309.75

CHARLEY TOPPINO & S (FRANK ENG
FRANK TOPPINO
P.O. BOX 787
KEY WEST FL 33041

Trans date: 9/18/13 Time: 13:47:40

CHARLEY TOPPINO & SONS, INC.**P.O. BOX 787****KEY WEST, FL 33041****305 296-5606****PAST PROJECTS**

Please note: Frank P. Toppino and Edward Toppino, Sr., president and Secretary/Treasurer for CHARLEY TOPPINO & SONS, INC. has been involved, supervised, estimated and overseen the following projects. Paul E. Toppino and Edward Toppino, Jr. have also estimated and been involved in many of the following projects. Mr. Frank P. Toppino and Mr. Edward Toppino have been in the construction business for over 60 years each. Toppino's Inc., incorporated for 21 years, had its name change to CHARLEY TOPPINO & SONS, INC. 7 years ago.

1.) CITY OF KEY WEST**P.O. BOX 1409****KEY WEST, FL 33040****305 809-3965**

SCOPE OF WORK: STORM DRAINAGE, INJECTIONS WELLS, SIDEWALKS, CURBS, FOUNDATIONS, PIER REPAIR, LANDSCAPING & MAINTENANCE, ROADWORK, ASPHALT.

PROJECTS:

RIGHT OF WAY MAINTENANCE: 1998-2009	\$2,352,000	BOND YES
CONCRETE PLACEMENT- 2002, 2005, 2007	\$2,400,000	BOND YES
WHITE STREET PIER REPAIR	\$ 88,000	BOND YES
STAPLES AVE BRIDGE	\$ 81,000	BOND YES
HOCKEY RINK	\$ 50,000	BOND YES
KAMIEN SUBDIVISION	\$1,656,000	BOND YES
SOUTHERNMOST POINT REHABILITATION	\$ 73,000	BOND YES
GENERAL SERVICES CON. 1998---2000	\$4,000,000	BOND YES
GENERAL SERVICES CON. 2002, 2005	\$2,000,000	BOND YES
GENERAL SERVICES CON. 2007	\$2,000,000	BOND YES
GENERAL SERVICES CON. 2011	\$1,000,000	BOND YES
GRAVITY INJECTION WELLS: PHASE I	\$4,800,000	BOND YES
GRAVITY INJECTION WELLS: PHASE II	\$2,236,000	BOND YES
GRAVITY INJECTION WELLS: PHASE 5	\$1,998,385	BOND YES
GRAVITY INJECTION WELLS: PHASE 6	\$1,989,225	BOND YES
JOSE MARTI VEG REMOVAL / DRAINAGE	\$ 90,000	BOND NO
SMATHERS BEACH LANDSCAPING	\$ 100,000	BOND YES
DONALD AVE DRAINAGE SWALE	\$ 61,000	BOND NO
HURRICANE GEORGES CLEANUP	\$ 431,000	BOND NO
MITIGATION FLOW PROJECT	\$2,100,000	BOND YES
HARBOR WALK KW BIGHT	\$3,040,000	BOND YES
DINGY DOCKS 2001	\$ 104,000	BOND YES
WHITE ST PIER RIP RAP	\$ 131,054	BOND YES
FLAGLER AVE PHASE 1 & 2	\$1,391,000	BOND YES
WHITE ST PUMP STATION	\$1,645,000	BOND YES
SIDEWALK ENHANCEMENTS: PHASE 1	\$ 218,890	BOND YES
SIDEWALK ENHANCEMENTS: PHASE 2	\$ 164,181	BOND YES

SIDEWALK ENHANCEMENTS: PHASE 3	\$ 253,666.00	BOND YES
SIDEWALK ENHANCEMENTS: PHASE 4	\$ 197,080.00	BOND YES
SIDEWALK ENHANCEMENTS: PHASE 5	\$ 294,826.00	BOND YES
SIDEWALK ENHANCEMENTS: PHASE 6	\$ 446,800.00	BOND YES
SIDEWALK ENHANCEMENTS: PHASE 7	\$ 235,100.00	BOND YES
COLLEGE ROAD ENHANCEMENTS	\$ 283,921.84	BOND YES
ATLANTIC BLVD ENHANCEMENTS	\$ 498,839.13	BOND YES

2.) MONROE COUNTY
1100 SIMONTON STREET
KEY WEST, FL 33040
305 292-4426

SCOPE OF WORK: SITE WORK, STORM DRAINAGE, INJECTIONS WELLS, SIDEWALKS, CURBS, LANDSCAPING, ROADWORK, ASPHALT, PLAYGROUNDS.

PROJECTS:

PALM AVE ROADWAY	\$ 931,000	BOND YES
WILHELMINA PARK	\$ 145,000	BOND YES
MARATHON AIRPORT TAXILANES, T HANGER DEV.	\$2,366,000	BOND YES
MARATHON AIRPORT SERVICE ROAD	\$ 688,000	BOND YES
KW INTN AIRPORT: EXOTIC VEGETATION REMOVE	\$ 192,000	BOND YES
KW INTN AIRPORT: PARKING LOTS	\$ 531,000	BOND YES
BIG COPPITT PARK	\$ 860,242	BOND YES
BIG PINE BASIN FILL IN AND DEMO	\$ 904,943	BOND YES
MARATHON AIRPORT APRONS	\$ 376,344	BOND YES
PRADO CIRCLE	\$ 339,000	BOND YES
PALM DR BRIDGE REPAIR	\$ 131,000	BOND NO

3.) FLORIDA DEPT OF TRANSPORTATION
605 Suwannee Street
Tallahassee, FL 32399-0450
(850) 414-4000

SCOPE OF WORK: SITE WORK, DEMOLITION, STORM DRAINAGE, SANITARY SEWER, INJECTIONS WELLS, SIDEWALKS, CURBS, ROADWORK, ASPHALT, HURRICANE CLEANUP, RIP-RAP INSTALL,

TRUMAN AVE PROJECT:	\$10,500,000	BOND YES
BIG COPPITT BIKE PATH:	\$ 480,000	BOND YES
EMERGENCY ROAD REPAIRS, HURR WILMA:	\$ 185,000	BOND NO
HURRICANE GEORGES ROAD REPAIRS:	\$ 52,000	BOND NO
KNIGHTS KEY	\$ 373,000	BOND YES
BIG COPPITT BOAT RAMP & SPANISH HARBOR:	\$ 500,000	BOND NO
BIKE PATH SADDLE BUNCH KEYS	\$ 450,000	BOND YES
BOCA CHICA SEAGRASS MITIGATION	\$ 1,352,930	BOND YES

3.) SAUER INC.
11223 PHILLIPS PARKWAY DR EAST
JACKSONVILLE, FL 32256-15274
904 262-6444

SCOPE OF WORK: SITE WORK, DEMOLITION, STORM DRAINAGE, SANITARY SEWER, INJECTIONS WELLS, SIDEWALKS, CURBS, ROADWORK, ASPHALT.

PROJECTS:

CONTROL TOWER, BOCA CHICA NAS	\$832,000	BOND YES
WEATHER STATION, KEY WEST	\$366,000	BOND YES
NAVAL RESEARCH LAB	\$100,000	BOND NO
REPAIR MARINE OPS, COAST GUARD	\$337,000	BOND NO

4.) FLORIDA KEY AQUADUCT AUTHORITY
1100 KENNEDY DRIVE
KEY WEST, FL 33040
305 296-2454

SCOPE OF WORK: SITE WORK, STORM DRAINAGE, SIDEWALKS, CURBS, ROADWORK, ASPHALT, STEEL BUILDING, WATER MAINS, DEMOLITION.

PROJECTS:

FKAA CONSTRUCTION YARD BUILDING	\$ 682,000	BOND YES
PUMP STATION	\$ 377,555	BOND YES
BIG COPPITT WASTE WATER SYSTEM	\$11,078,347	BOND YES
DEMO WATER TANKS, BIG COPPITT	\$ 55,000	BOND YES
FLAGLER AVE WATERMAIN	\$ 306,861	BOND YES

5.) GULF BUILDERS
P.O. BOX 668307
POMPANO BEACH, FL 33066
954 583-5115

SCOPE OF WORK: SITE WORK, STORM DRAINAGE, SANITARY SEWER, WATER MAINS, INJECTIONS WELLS, SIDEWALKS, CURBS, ROADWORK, PARKING LOTS, ASPHALT.

PROJECTS:

ROOSEVELT GARDENS HOUSING PROJECT	\$1,256,000	BOND	YES
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6.) BJ&K CONSTRUCTION
970 WEST MCNAB ROAD
FORT LAUDERDALE, FL 33309
954 974-7744

SCOPE OF WORK: SITE WORK, DEMOLITION, STORM DRAINAGE, SANITARY SEWER, WATER MAINS, INJECTIONS WELLS, SIDEWALKS, CURBS, ROADWORK, PARKING LOTS, ASPHALT.

PROJECTS:

MERIDIAN WEST APARTMENTS	\$1,700,000	BOND	YES
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7.) HEERY INTERNATIONAL
1625 DENNIS STREET
KEY WEST, FL 33040
305 293-3008

SCOPE OF WORK: SITE WORK, DEMOLITION, STORM DRAINAGE, SANITARY SEWER, WATER MAINS, INJECTIONS WELLS, GAS LINES, SIDEWALKS, CURBS, ROADWORK, PARKING LOTS, ASPHALT.

PROJECTS:

KEY WEST HIGH SCHOOL REPLACEMENT: PHASES 1, 2, 3	\$633,000	BOND	YES
POINCIANA ELEMENTARY SCHOOL:	\$2,240,000	BOND	YES

8. COASTAL CONSTRUCTION
5959 BLUE LAGOON DR
STE 200
MIAMI, FL 33126
305 559-4900

SCOPE OF WORK: SITE WORK, DEMOLITION, FILL, CONCRETE FLATWORK, COLUMNS, RETAINING WALLS, CURBS, ROADWORK, PARKING LOTS, ASPHALT.

PROJECTS:

SUGARLOAF ELEMENTARY SCHOOL:	\$2,300,000	BOND	YES
BEACHSIDE CONDOS	\$2,665,000	BOND	YES
POINCIANA ROYALE	\$ 524,520	BOND	YES
HORACE O BRYANT MIDDLE SCH DEMO	\$ 388,081	BOND	YES
HORACE O BRYANT MIDDLE SCH SITE	\$1,553,202	BOND	YES

9.) HISTORIC TOURS OF AMERICA

201 FRONT STREET

Key West, Florida 33040

305 296-3609

SCOPE OF WORK: SITE WORK, DEMOLITION, STORM DRAINAGE, SANITARY SEWER, WATER MAINS, INJECTIONS WELLS, GAS LINES, SIDEWALKS, CURBS, ROADWORK, PARKING LOTS, ASPHALT.

PROJECTS:

PARK VILLAGE	\$ 317,000	BOND	NO
MARQUESA COURT	\$ 405,000	BOND	NO
KEY COVE LANDINGS	\$ 675,000	BOND	NO

10.) DEMOYA GROUP

12209 S. DIXIE HWY

MIAMI, FL 33156

305 255-5713

SCOPE OF WORK: STORM DRAINAGE , INJECTIONS WELLS, ROAD BASE, CONCRETE WORK.

PROJECTS:

SOUTH ROOSEVELT BLVD. REHAB	\$1,507,000.00	BOND	NO (SUB)
BIG COPPITT US 1 ROAD EXPANSION	\$ 2,157,000	BOND	NO (SUB)

11.) DL PORTER

6574 PALMER CIRCLE

SARASOTA, FL 34238

941 929-9400

SCOPE OF WORK: SITE WORK, DEMOLITION, STORM DRAINAGE, SANITARY SEWER, WATER MAINS, INJECTIONS WELLS, GAS LINES, SIDEWALKS, CURBS, ROADWORK, PARKING LOTS, ASPHALT.

PROJECTS:

HOMELAND SECURITY, KEY WEST	\$ 231,600.00	BOND	NO
KEY WEST INTERNATIONAL AIRPORT	\$ 724,000.00	BOND	NO
SANTA MARIA HOTEL	\$ 225,000.00	BOND	NO
COUCH HARBOR	\$ 210,000.00	BOND	NO
ATLANTIC SHORES DEMO & SITEWORK	\$1,011,000.00	BOND	NO
TRUMAN HOTEL SITEWORK	\$ 55,000.00	BOND	NO

12. HARRY PEPPER & ASSOCIATES
215 CENTURY 21 DRIVE
JACKSONVILLE, FL 32216
904 721-3300

SCOPE OF WORK: SITE WORK, DEMOLITION, STORM DRAINAGE, SANITARY SEWER, WATER MAINS, INJECTIONS WELLS, GAS LINES, SIDEWALKS, CURBS, ROADWORK, PARKING LOTS, ASPHALT.

PROJECTS:

REPAIR BASE OPERATIONS, BOCA CHICA	\$601,000	BOND NO
ELLISON DRIVE, TRUMBO POINT	\$ 116,000	BOND NO
BEQ, TRUMAN ANNEX	\$ 70,000	BOND NO
JIAFT EAST WAREHOUSE	\$462,000	BOND NO

13. BRPH
3275 SUNTREE BLVD
MELBOURNE, FL 32940

SCOPE OF WORK: SITE WORK, DEMOLITION, STORM DRAINAGE, SANITARY SEWER, WATER MAINS, INJECTIONS WELLS, GAS LINES, SIDEWALKS, CURBS, ROADWORK, PARKING LOTS, ASPHALT.

PROJECTS:

ECO DISCOVERY CENTER	\$ 50,000	BOND NO
BOCA CHICA FITNESS CENTER	\$ 36,000	BOND NO
MARINA BY PASS ROAD, BOCA	\$348,000	BOND NO
TACTS BUILDING, BOCA CHICA	\$ 32,000	BOND NO
NANCY FOSTER ENVIRONMENTAL CTR	\$541,000	BOND NO
BLDG. # 324 PARKING	\$93,000	BOND NO

14. DOOLEY MACK CONTRACTORS
5800 LAKEWOOD RANCH BLVD.
SARASOTA, FL 34240
941 921-4636

SCOPE OF WORK: SITE WORK, DEMOLITION, STORM DRAINAGE, SANITARY SEWER, WATER MAINS, INJECTIONS WELLS, GAS LINES, SIDEWALKS, CURBS, ROADWORK, PARKING LOTS, ASPHALT.

STEAMPLANT CONDOS	\$1,332,000.00	BOND YES
THE MEADOWS, KEY WEST	\$ 145,000.00	BOND NO

15. BOTANICAL GARDENS
5210 COLLEGE ROAD
KEY WEST, FL 33040
305 296-1504

SCOPE OF WORK: DEMOLITION, , SIDEWALKS, CURBS, ROADWORK, PARKING LOTS, BOARDWALK / PILE CONSTRUCTION, BOULDER CUTTING & PLACEMENT, LAKE / POND CONSTRUCTION.

BOTANICAL GARDENS PHASE 1 POND	\$329,896.50	BOND YES
BOTANICAL GARDENS PHASE III	\$167,000.00	BOND YES

16. BALFOUR BEATTY MILITARY HOUSING MANAGEMENT LLC
10 CAMPUS BLVD.
NEWTOWN SQUARE, PA 19073
610 355-8051

SCOPE OF WORK: DEMOLITION, , SIDEWALKS, CURBS, ROADWORK, PARKING LOTS, BOARDWALK / PILE CONSTRUCTION, BOULDER CUTTING & PLACEMENT, LAKE / POND CONSTRUCTION.

RENOVATIONS FAMILY HOUSING MEDICAL CTR	\$141,350.00	BOND NO
RENOVATIONS TO QUARTERS LB, MEDICAL CTR	\$ 39,800.00	BOND NO

17. FL DEPT OF ENVIRONMENTAL PROTECTION
3900 COMMONWEALTH BLVD.
TALLAHASSEE, FL 32399-3000
305 420-8432

SCOPE OF WORK: BRIDGE REPAIR TO OLD OHIO BAHIA HONDA BRIDGE, MM 38.7, REPAIR ENTIRE SUPER STRUCTURE DECK, PROVIDE AND INSTALL AL PEDESTRIAN RAILING, MILL/RESURFACE AND STRIPE, SPALL / CRACK REPAIR.

OHIO BAHIA HONDA BRIDGE REPAIR:	\$837,700.00	BOND YES
HERITAGE TRAIL: SUGARLOAF SEGMENT:	\$255,000.00	BOND YES
HERITAGE TRAIL: KEY HAVEN TO BIG COPPITT:	\$2,052,268.00	BOND YES

18. SH MARATHON, LTD.
506 FLEMING ST.
KEY WEST, FL 33040
305 294-6100

SCOPE OF WORK: DEMOLITION AND REBUILD OF HOTEL, RESTAURANT, MARINA AND BOAT SLIPS IN MARATHON, FL. HOLIDAY INN EXPRESS.

HOLIDAY INN EXPRESS:	\$8,890,227	BOND YES
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19. DORADO/CONQUISTADOR
541 N. PALMATTO AVE.
SUITE 104
SANFORD, FL 32771
407 688-0600

SCOPE OF WORK: SITEWORK, ENVIRONMENTAL MITIGATION, FILL REMOVAL AND PROCESSING AT THE BOCA CHICA NAVAL AIR STATION AIRFIELD.

BOCA CHICA AIRFIELD VEGETATION	\$1,057,126.00	BOND YES
BOCA CHICA ANTENNA PAD MITIGATION	\$ 385,213.00	BOND NO
GEIGER KEY MITIGATION	\$ 432,549.46	BOND NO
NE HYDRO RESTORATION	\$1,206,399.00	BOND YES
BOCA CHICA WEST LAGOONS	\$ 910,420.00	BOND YES
BOCA CHICA PERIMETER ROAD	\$ 315,317.00	BOND YES
ROCKLAND STAGING AREA	\$ 69,899.00	BOND YES
BIG COPPITT SITE 2 EAST	\$ 47,910.00	BOND YES
AREAS: 1,2,3,5,6, 20,21,22,23,24	\$6,800,000.00	BOND YES

20. SS RAFFERTY, LLC
3717 EAGLE AVE
KEY WEST, FL 33040

SCOPE OF WORK: DEMOLITION, SITEWORK, BUILDING.

512 DUVAL STREET BUILDING	\$1,071,586.28	BOND NO
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21. BOTSFORD BUILDERS
937 107th Street Gulf
Marathon, FL 33050
(305) 743-9644

SCOPE OF WORK: SITEWORK, DEMOLITION, STORM DRAINAGE, SANITARY SEWER, WATER MAINS, PARKING LOTS, ASPHALT, SIDEWALKS, CURBS, ROADWORK.

FLAGLER'S VILLAGE	\$956,445.00	BOND YES
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22. GENERAL ASPHALT
4950 NW 172 AVE
MIAMI, FL 33166
(305) 592-3480

SCOPE OF WORK: EXCAVATION, CLEAR / GRUBBING, ROAD BASE.

SUGARLOAF SEGMENT US # 1	\$401,598.22	BOND NO
SHARK KEY WEST US # 1	\$61,320.86	BOND NO
RAMROD LITTLE TORCH US # 1	\$463,939.28	BOND NO
SUGARLOAF TO BIG COPPITT US # 1	\$136,250.46	BOND NO

23. WHARTON SMITH

3547 SW CORPORATE PARKWAY
PALM CITY, FL 34990-8152
(772) 283-2944

SCOPE OF WORK: STORM DRAINAGE, INJECTION WELLS.

GEORGE ST BASIN PROJECT	\$ 80,134.50	BOND YES
CUDJOE REGIONAL AWRF	\$250,800.00	BOND YES

24. AJAX BUILDING CORPORATION

6050 PORTER WAY
SARASOTA, FL 34232
(941) 371-6222

SCOPE OF WORK: SITE WORK, DEMOLITION, STORM DRAINAGE, SANITARY SEWER, WATER MAINS, INJECTIONS WELLS, FIRE LINES, SIDEWALKS, CURBS, ROADWORK, PARKING LOTS, ASPHALT

FKCC MARINE TECH BUILDING	\$466,000.00	BOND YES
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25. CIVIC CONSTRUCTION

7144 SW 47TH STREET
MIAMI, FL 33155
(305) 661-4859

SCOPE OF WORK: SITE WORK, DEMOLITION, STORM DRAINAGE, SANITARY SEWER, WATER MAINS, FIRE LINES, SIDEWALKS, CURBS, ROADWORK, PARKING LOTS, ASPHALT

HILTON GARDEN INN, SITE B DEMO	\$62,000.00	BOND NO
FAIRFIELD INN, SITE A DEMO	\$50,000.00	BOND NO

26. JL WOODE, LLC

49 IMMIGRATION STREET
SUITE 103
CHARLESTON, SC 29403
(303) 915-2872

SCOPE OF WORK: SITE WORK, DEMOLITION.

QUALITY INN, SITE C DEMO	\$236,502.00	BOND NO
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27. SCHOOL BOARD, MONROE COUNTY

241 TRUMBO RD
KEY WEST, FL 33040
(305) 293-1400

SCOPE OF WORK: SITE WORK, SIDEWALKS, CURBS, ROADWORK, PARKING LOTS, ASPHALT, FIELD LIGHTING.

HOB PARKING LOT, SOCCER FIELD \$343,882.00 BOND YES

28. BOY SCOUTS OF AMERICA, SOUTH FL COUNCIL

15255 NW 82ND AVE
MIAMI LAKES, FL 33016
(305) 364-0020

SCOPE OF WORK: SITEWORK, DEMOLITION, STORM DRAINAGE, SANITARY SEWER, WATER MAINS, PARKING LOTS, ASPHALT, SIDEWALKS, CURBS, ROADWORK, MODULAR HOUSE, TWO STORY BATHHOUSE FACILITY, ELECTRICAL, PLUMBING, LANDSCAPING, ENVIRONMENTAL MITIGATION.

CAMP SAWYER, BOY SCOUT CAMP \$2,295,049.13 BOND YES



ADDENDUM NO. 2
TO THE CONTRACT DOCUMENTS
for the construction of the

Date: September 10, 2014
Project No.: 406518

**PUMP STATION F IMPROVEMENTS
CITY OF KEY WEST
KEY WEST, FLORIDA**

To All Planholders and/or Prospective Bidders:

The following changes, additions, and/or deletions are hereby made a part of the Contract Documents for the construction of the Pump Station F Improvements dated August 2014 as fully and completely as if the same were fully set forth therein:

CONTRACTOR'S QUESTIONS AND ANSWERS

6. **Question:** Are there going to be drains in check vault, back to wet well?

Answer: No.

7. **Question:** While reinforcing the generator platform, where can we put the existing generator, to work with more space and comfort?

Answer: See Specification 01 01 00, General Requirements, Part 5, Paragraph 5.01.E and included supplement at end of section for generator removal and preparation for long term storage.

8. **Question:** What does the asterisks (*) next to CP-1 and field instruments mean on Drawing I-2?

Answer: See GENERAL NOTE 1 on Drawing G-7; sheet 5 of 30.

9. **Question:** Flow Meter Cable Length: Can you get an approximate distance from the engineer for the Doppler flow meter transducer cable for FE 1-2? It is the distance from the flow meter vault to the transmitter located on the platform (Refer to drawings E-2 note 18 for transmitter location). This is a manufacturer's armored cable that can't be spliced and it is very expensive. The spec calls for length "as required".

Answer: The cable length will be based on the Contractor's routing of conduits and actual field location of the transmitter. Therefore, the Contractor needs to determine the length of the cable.

10. **Question:** I would like to visit the site and have someone open hatch covers so I could look inside wet well. Who do I contact?

Answer: Contact: Sean Mc Coy; CH2M HILL; 305-432-9124.

PART 3 – SPECIFICATIONS

1. TABLE OF CONTENTS

Section 40 27 00.01, DELETE "DS-Cement – Mortar Ductile Iron Pipe and Fittings" and REPLACE with "Ceramic Epoxy-Lined Ductile Iron Pipe and Fittings"

2. SECTION 03 01 32, REPAIR OF VERTICAL AND OVERHEAD CONCRETE SURFACES

ADD this section in its entirety.

3. SECTION 40 27 00.01, CERAMIC EPOXY-LINED DUCTILE IRON PIPE AND FITTINGS

ADD this section in its entirety.

4. SECTION 40 27 00.01, DS – CEMENT-MOTAR DUCTILE IRON PIPE AND FITTINGS

DELETE this section in its entirety.

5. SECTION 33 12 00, TEMPORARY WASTEWATER BYPASS PUMPING SYSTEM

Page 3, Paragraph 1.03.B, ADD the following sentences at the end of the paragraph:

"A monitoring system can be utilized instead of an operator during non-work hours. The system will monitor as a minimum pumps run/stop, high level alarm and pump malfunction. The Contractor will respond to all alarms within 20 minutes. Failure of Contractor to respond within 20 minutes to any alarm during non-working hours will eliminate the option to monitor the bypass pumping remotely and require the Contractor to provide onsite operator."

Page 4, Paragraph 2.20.A, ADD the following sentence at the end of the paragraph:

“Contractor shall provide an emergency generator connection for the existing pumps upon disconnection of the generator and for the bypass pumps to provide power to operate the pumps should Keys Energy power be interrupted. An emergency generator will be provided by the City for use by the Contractor.”

Page 4, Paragraph 2.02.C.2, ADD the following sentence at the end of the paragraph:

“Contractor to provide electrical wire to connect auxiliary contacts to existing RTU.”

DRAWINGS

1. DRAWING SD-7: PROCESS MECHANICAL: STANDARD DETAILS: DELETE in its entirety and REPLACE with the attached Drawing SD-7.
2. DRAWING D-3: PROCESS MECHANICAL: PUMP STATION MODIFICATIONS: LOWER PLAN AND UPPER SECTION: DELETE in its entirety and REPLACE with the attached Drawing D-3.

All Bidders shall acknowledge receipt of Addendum No. 2 in the Bid Form. Bids submitted without this acknowledgement will be considered informal.

CH2M HILL

Sean Mc Coy, P.E.

Appended hereto and part of Addendum No. 2:

Section 03 01 32, Repair of Vertical and Overhead Concrete Surfaces, attached.

Section 40 27 00.01, Ceramic Epoxy-Lined Ductile Iron Pipe and Fittings, attached.

Drawing SD-7; Process Mechanical; Standard Details, attached.

Drawing D-3; Process Mechanical; Pump Station Modifications; Lower Plan and Upper Section, attached.

END OF ADDENDUM

SECTION 03 01 32
REPAIR OF VERTICAL AND OVERHEAD CONCRETE SURFACES

PART 1 GENERAL

1.01 REFERENCES

- A. The following is a list of standards which may be referenced in this section:
1. American Concrete Institute (ACI):
 - a. 503R, Use of Epoxy Compounds with Concrete.
 - b. 506R, Guide to Shotcrete.
 2. ASTM International (ASTM):
 - a. A82/A82M, Standard Specification for Steel Wire, Plain, for Concrete Reinforcement.
 - b. A185/A185M, Standard Specification for Steel Welded Wire Reinforcement, Plain, for Concrete.
 - c. C78, Standard Test Method for Flexural Strength of Concrete (Using Simple Beam with Third-Point Loading).
 - d. C109/C109M, Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or [50mm] Cube Specimen).
 - e. C157/C157M, Standard Test Method for Length Change of Hardened Hydraulic-Cement, Mortar, and Concrete.
 - f. C348, Standard Test Method for Flexural Strength of Hydraulic Cement Mortars.
 - g. C496/C496M, Standard Test Method for Splitting Tensile Strength of Cylindrical Concrete Specimens.
 - h. C596, Standard Test Method for Drying Shrinkage of Mortar Containing Hydraulic Cement.
 - i. C666/C666M, Standard Test Method for Resistance of Concrete to Rapid Freezing and Thawing.
 - j. C882, Standard Test Method for Bond Strength of Epoxy-Resin Systems Used with Concrete by Slant Shear.
 - k. C1202, Standard Test Method for Electrical Indication of Concrete's Ability to Resist Chloride Ion Penetration.
 3. International Concrete Repair Institute (ICRI): 03730, Guide for Surface Preparation for the Repair of Deteriorated Concrete Resulting from Reinforcing Steel Corrosion.

1.02 DEFINITIONS

- A. Low-Pressure Spray Mortar: Mortar applied by low-pressure spraying, or in small areas by hand troweling.

- B. Nonstructural Defects:
 - 1. Areas with defects that meet the following:
 - a. Deemed by Engineer to be superficial.
 - b. Less than 1 inch in depth.
 - c. Not subjected to structural loads or heavy wear.
- C. Rebound: Shotcrete material, mostly aggregates, that bounce off a surface against which it is projected.
- D. Shotcrete: Mortar pumped through a hose and projected at high velocity.
- E. Structural Defects: Condition or characteristic that detracts from appearance, strength, or durability of concrete.
 - 1. Structural defects may be in the following areas:
 - a. Areas subject to structural loading.
 - b. Areas subject to heavy wear.
 - c. Interior of hydraulic structure.
 - d. Below grade structure.
 - e. Display defects or parts of defect that extend 1 inch or deeper into concrete and deemed by Engineer as structural defect.

1.03 SUBMITTALS

- A. Action Submittals:
 - 1. Product data sheets for each material supplied.
 - 2. Samples: Mesh reinforcement and mesh anchor.
- B. Informational Submittals:
 - 1. Mortar System:
 - a. Manufacturer's installation bulletin.
 - b. Manufacturer's recommended fabric size for mesh reinforcement.
 - 2. Mesh manufacturer's installation instructions and allowable load criteria.
 - 3. Written description of equipment proposed for hydrodemolition for surface preparation.
 - 4. Certificates:
 - a. Certificate of Compliance that proposed product system meets or exceeds specified performance criteria when tested in accordance with Article Field Quality Control.
 - b. Mortar system Manufacturer's Certificate of Proper Installation.
 - c. Shotcrete Nozzleman: Current ACI Certification.

5. Statements of Qualification:
 - a. Shotcrete nozzleman.
 - b. Mortar system manufacturer's representative.
 - c. Mortar system applicator.
 - d. Coating system applicator.
6. Mortar system manufacturer's proposed modified test procedures for ASTM C109/C109M and ASTM C882 test methods.

1.04 QUALITY ASSURANCE

A. Qualifications:

1. Mortar System Applicator:
 - a. Experienced applicator endorsed by mortar system manufacturer.
 - b. For low-pressure spray mortar system in lieu of endorsement, complete mortar system manufacturer's demonstration in accordance with Article Manufacturer's Services.
2. Mortar System Manufacturer's Representative: As specified in Section 01 43 33, Manufacturers' Field Services.
3. Shotcrete Nozzleman: ACI Certification in accordance with ACI 506R.

B. Mockups:

1. Mortar System Manufacturer's Demonstration:
 - a. Schedule time for manufacturer's demonstration of repair system proposed for Project. Prepare mortar to specified consistency, for testing and placement. Initiate curing on portions of each type of surface to be repaired to include overhead and vertical applications.
 - b. Prepare surface area in advance of demonstration and obtain manufacturer's acceptance of preparation for each type of application.
 - c. Demonstrate:
 - 1) Mixing and application equipment capabilities and procedures, including the flow of material from nozzle or sprayer.
 - 2) Nozzle operator and person in charge of low-pressure sprayer, capabilities and ability to follow prescribed application procedures and properly operate equipment and apply surface repair materials.
 - d. Make compression test samples during demonstration and deliver to an independent testing laboratory for testing at 7 days and 28 days. Take a core of the demonstration placement and test for tensile bond at 7 days.

2. For each type of mortar system application demonstration, prepare area of at least 5 feet by 5 feet by the average thickness required for Project.

1.05 PREREPAIR CONFERENCE

A. Required Meeting Attendees:

1. Contractor.
2. Repair Subcontractor.
3. Technical representative for repair material manufacturer.
4. Engineer.

B. Schedule and conduct prior to incorporation of respective products into Project. Notify Engineer of location and time.

C. Agenda shall include:

1. Review of field conditions. Conduct field observations of Work to be performed.
2. Based on above observations, repair material manufacturer's technical representative shall make material selection and repair method recommendations.
3. Technical representative for repair material manufacturer shall review proposed surface preparation, material mixing, application, consolidation, finishing, curing, and protection of repair material from weather conditions.
4. Other specified requirements requiring coordination.

PART 2 PRODUCTS

2.01 SHOTCRETE MORTAR SYSTEM (STRUCTURAL)

A. Mortar Materials:

1. Blend of selected portland cements, microsilica, and specially graded aggregates and fibers applicable for vertical and overhead surfaces.
2. Materials shall not contain asbestos, chlorides, nitrates, added gypsum, added lime, or high aluminum cements.
3. Noncombustible before and after cure.
4. Furnish in a factory proportioned unit.
5. Workability from 1/4 inch in depth and greater.

B. Mixed Mortar Properties:

1. Working Time: 5 minutes to 10 minutes.
2. Finishing Time: 10 minutes to 20 minutes.

3. Color: Dark gray.

C. Cured Mortar Properties:

1. Compressive strength for 2-inch cubes and in accordance with ASTM C109/C109M, or 3-inch cubes in accordance with manufacturer's modification to ASTM C109/C109M:
 - a. 7 Days: 6,000 psi minimum.
 - b. 28 Days: 7,000 psi minimum.
2. Flexural Strength (Modulus of Rupture) ASTM C78 at 28 Days: 1,100 psi minimum.
3. Tensile Strength, ASTM C496/C496M at 28 Days: 400 psi minimum.
4. Chloride Ion Penetrability Based on Charge Passed, ASTM C1202: 800 coulombs maximum.
5. Mortar shall not produce a vapor barrier.

D. Manufacturers and Products:

1. BASF Building Systems, Shakopee, MN; MBT P&R Shotpatch 21F.
2. Sika Corp., Lyndhurst, NJ; SIKACEM 103 with fibers added in accordance with manufacturer's recommendations.
3. Euclid Chemical Co., Cleveland, OH; Eucoshot with Tuf-Strand SF added per manufacturer's recommendations.

2.02 LOW-PRESSURE SPRAY MORTAR SYSTEM (STRUCTURAL)

A. Mortar:

1. One component, cement based, fiber reinforced, shrinkage compensated, gray in color, with a minimum 30-minute working time.
2. Cured materials mixed to a flow of 70 percent at five drops shall conform to the following criteria:
 - a. Minimum Slant Shear Bond Strength: 3,000 psi in 28 days in accordance with ASTM C882 test method modified with no bonding agent.
 - b. Minimum Compressive Strength: 6,000 psi at 28 days in accordance with ASTM C109/C109M.
 - c. Minimum Tensile Bond Strength ACI 503R, Appendix A or ASTM C496/C496M: 300 psi in 28 days.
 - d. Minimum Flexural Strength: 1,100 psi in 28 days in accordance with ASTM C348.
 - e. Chloride Ion Penetrability Based on Charge Passed, ASTM C1202: 800 coulombs maximum.
 - f. Drying Shrinkage at 28 Days: 0.1 percent maximum in accordance with ASTM C157 Modified.
 - g. System shall not produce a vapor barrier.

- B. Sprayable, extremely low permeability, sulfate resistant, easy to use and requiring only the addition of water.
- C. Free of chlorides and other chemicals causing corrosion.
- D. Manufacturers and Products:
 - 1. BASF Building Systems, Shakopee, MN; MBT P& R Emaco S88CI.
 - 2. Sika Corp., Lyndhurst, NJ; SikaRepair 224.

2.03 POLYMER-MODIFIED REPAIR MORTAR (NONSTRUCTURAL)

- A. Polymer-modified, cementitious based, chloride resistant, flowable, gray in color, working time of 20 minutes minimum, surface renovation mortar conforming to the following properties:
 - 1. Minimum Slant Shear Bond Strength: 2,000 psi in 28 days in accordance in with ASTM C882 test method modified with no bonding agent.
 - 2. Compressive Strength, ASTM C109/C109M at 28 Days: Minimum 7,000 psi.
 - 3. Flexural Strength, ASTM C348 at 28 Days: Minimum 1,200 psi.
 - 4. Chloride Ion Penetrability Based on Charge Passed, ASTM C1202: 800 coulombs maximum.
 - 5. Splitting Tensile Strength, ASTM C496/C496M at 28 days: 500 psi minimum.
 - 6. Drying Shrinkage, ASTM C596 at 28 Days: Maximum 0.12 percent.
 - 7. Freeze Thaw Resistance, ASTM C666/C666M, at 300 Cycles: 90 percent RDF.
- B. Manufacturers and Products:
 - 1. BASF Building Systems, Shakopee, MN; MBT P&R Emaco R300 CI and R320 CI. Emaco R300 CI and R320 CI shall not be used in locations that will be continuously moist or wet.
 - 2. Sika Corp., Lyndhurst, NJ; SikaTop 123 Plus.

2.04 SPRAY APPLIED CONCRETE COATING

- A. Apply a 60 mil coating in areas shown on Drawings.

Manufacturer and Product: Sauereisen, Pittsburgh, PA; Sewergard- Spray Applied No. 210S.

2.05 BONDING AGENT

A. Epoxy resin concrete cement adhesive, specifically formulated for bonding plastic portland cement concrete or mortar to hardened portland cement concrete.

1. Mixed Bonding Agent Properties:
 - a. Pot Life: 75 minutes to 105 minutes.
 - b. Contact Time: 24 hours.
 - c. Concrete Color: Gray.
2. Cured Epoxy Resin Portland Cement Adhesive Properties:
 - a. Splitting Tensile Strength, ASTM C496/C496M at 28 Days: 500 psi minimum.
 - b. Flexural Strength, ASTM C348: 1,000 psi minimum.
 - c. Bond Strength, ASTM C882 at 14 Days:
 - 1) 0 Hour Open Time: 2,500 psi minimum.
 - 2) 24 Hours Open Time: 2,000 psi minimum.
 - d. Bonding agent shall not produce a vapor barrier.
 - e. Compatible with mortar system.

B. Manufacturers and Products:

1. BASF Building Systems, Shakopee, MN; MBT P&R Emaco P24.
2. Sika Corp., Lyndhurst, NJ; Sika Armatec 110.

2.06 WATER

A. Clean and free from oil, acid, alkali, organic matter, or other deleterious substances, meeting federal drinking water standards.

2.07 ACCESSORIES

A. Mesh Reinforcement: Welded wire fabric with spacing of wires, and wire size in accordance with ASTM A185/A185M, ASTM A82/A82M, and mortar system manufacturer's recommendations.

B. Tie Wire: 16 gauge, galvanized.

C. Mesh Anchors:

1. Manufacturers and Products:
 - a. Powers Fastening, Inc.; Tie Wire Version of Power-Stud.
 - b. Hilti Fastener Systems; Kwik Bolt II HHDCA.
 - c. UCAN Fastening Products; UCAN Tie Wire Wedge Anchor.

D. Finishing Aid:

1. Manufacturers and Products:
 - a. BASF Building Systems, Shakopee, MN; MBT P&R Confilm.
 - b. Euclid Chemical Co., Cleveland, OH; Eucobar.
 - c. Sika Corp., Lyndhurst, NJ; Sikafilm.

E. Flexible Cementitious Reinforcing Bar Coating:

1. Manufacturers and Products:
 - a. Sika Corp., Lyndhurst, NJ; Armatec 110.

PART 3 EXECUTION

3.01 GENERAL

- A. Concrete surface repair system may either be shotcrete mortar or low-pressure spray mortar for structural repairs, and hand or low-pressure spray applied polymer-modified mortar for nonstructural surface applications.

3.02 PREPARATION

- A. Identify unsound and deteriorated concrete by sounding techniques and review proposed extent of repair with Engineer.
- B. Remove unsound, honeycombed, deteriorated or otherwise defective concrete from work areas by high-pressure water blasting machine capable of removing concrete surfaces to a minimum amplitude roughness of 3/16 inch or as shown on Drawings. Where final surface is required to be flush with existing surface remove existing concrete depth as required for application of minimum thickness of mortar.
- C. To avoid tapered shoulders square edges of patch areas by sawing or chipping.
- D. Collect and dispose of water from removal operations in manner and location acceptable to Owner.
- E. Do not use power-driven jackhammers and chipping hammers, unless water blasting is not practical or may cause other damage.
- F. Where reinforcing steel is corroded, remove concrete minimum of 1-inch clear around reinforcing bar for application and bonding of new mortar to entire surface of exposed reinforcing steel if the following surface conditions exist:
 1. 50 percent or more of reinforcing bar surface is exposed during removal of concrete.

2. 25 percent or more of reinforcing steel surface is exposed during removal of concrete and extent of reinforcing bar corrosion is such that more than 25 percent of material is lost.
 3. Bond between existing concrete and reinforcement has deteriorated as determined by Engineer.
- G. Clean exposed reinforcing steel of rust and concrete per recommendations of repair material manufacturer and in accordance with recommendations ICRI 03730. Coat exposed reinforcing steel with flexible cementitious reinforcing bar coating.
- H. Remove slurry from prepared areas before new mortar is applied.
- I. Clean surface of laitance and contamination. Continuously soak and maintain in a wet condition the area to be patched and an area at least 6 inches beyond for at least 24 hours to prevent absorption of water from patching mortar. Provide saturated surface dry (SSD) condition for existing concrete at time of application of mortar.

3.03 MESH REINFORCEMENT INSTALLATION

- A. Provide reinforcement when existing reinforcement is not exposed, and when mortar application is more than 3 inches deep, unless otherwise shown on Drawings.
- B. Install mesh anchors in accordance with mesh manufacturer's instructions.
- C. Fasten reinforcement to mesh anchors with tie wire.
- D. Lap reinforcement a minimum of one mesh spacing and secure with tie wire at intervals no less than 12 inches.

3.04 SHOTCRETE MORTAR APPLICATION

- A. Apply mortar in accordance with manufacturer's instructions.
- B. Do not reuse rebound materials.
- C. Apply mortar utilizing dry mix process.
- D. Mortar shall emerge from nozzle in a steady, uninterrupted flow. If flow becomes intermittent, direct flow away from Work until flow of mortar becomes constant.
- E. Minimum thickness of applied mortar 1-1/2 inches or 2 inches of cover over existing reinforcement which ever results in a thicker coat.

- F. Slice off excess material with a wire screed approximately 5 minutes to 10 minutes after initial set.
- G. Apply finish to exposed mortar surfaces to match existing surfaces and in accordance with manufacturer's instructions. Steel trowel finish when finish coat is not applied. Apply full strength finishing aid.
- H. Rebound Removal: Continuously throughout mortar application, remove rebound, sand, and miscellaneous debris.
- I. Nozzle Position: Hold nozzle approximately at right angles to and at a distance from surface in accordance with mortar system manufacturer's instructions for type of application, nozzle, and air pressure used.
- J. Reinforcing Steel Encasement: Modify procedure of shooting mortar to better direct material around reinforcement bars. Prevent mortar from building up on reinforcement steel when shooting on, around, through, and behind steel to eliminate voids. Provide dense void-free encasement of reinforcement steel.
- K. Shotcreting More than One Layer: In accordance with mortar system manufacturer's instructions.

3.05 LOW-PRESSURE SPRAY MORTAR APPLICATION

- A. Mix mortar in mortar-concrete mixer attached to pump-spray equipment for spray application. Mix with a slow speed drill and jiffler type paddle or small mortar type mixer for hand trowel application.
- B. After priming substrate per manufacturer's recommendations, apply mortar by low pressure spraying equipment unless noted otherwise.
- C. Bonding Agent:
 - 1. Use bonding agent for hand applied areas.
 - 2. Application of repair mortar over the bonding agent shall be completed within time frame recommended by bonding agent manufacturer.
 - 3. Consult with manufacturer for optimum and minimum acceptable degrees of surface tackiness of coat.
- D. Work mortar firmly and quickly into repair area.
- E. Finish mortar with hand float application to smooth even surface matching adjacent concrete. Provide finishing aid at full strength.

3.06 POLYMER-MODIFIED REPAIR MORTAR APPLICATION
(NONSTRUCTURAL)

- A. Mix mortar in mortar-concrete mixer attached to pump-spray equipment for spray application. Mix with a slow speed drill and jiffiler type paddle or small mortar type mixer for hand trowel application.
- B. Hand Troweling: Apply bond coat of the repair mortar to the SSD prepared substrate before application of mortar. Do not apply more of the bond coat than can be covered with mortar before the bond coat dries. Do not retemper this bond coat.
- C. Place mortar by hand or low-pressure spray and trowel to specified surface finish.

3.07 SPRAY APPLIED CONCRETE COATING

- A. Prepare substrate in accordance with manufacturer's instructions.
- B. Apply in single coat of 60 mils. Application should be done with a 50 percent overlap in a 'cross hatch' pattern.
- C. Utilize a holiday detector to ensure a pin hole free coating.
- D. Use Sauereisen SewerGard Patch Kit for repair of pin holes.

3.08 CURING

- A. Prior to curing, apply water fog to mortar system in accordance with mortar system manufacturer's instructions.
- B. Commence water curing after mortar system application and when curing will not cause erosion of mortar.
- C. Continuously cure mortar system for a period of 7 days.
- D. Do not membrane cure, unless method is part of mortar system manufacturer's instructions and approval is obtained from Engineer.
- E. Cure intermediate layers of mortar in accordance with manufacturer's instructions.

3.09 FIELD QUALITY CONTROL

- A. Testing laboratory will be retained by Owner and will test the following per “modified” ASTM C109/C109M and ASTM C882.
 - 1. Production Samples of mixed materials during construction for compliance with the Specifications. A minimum of three Samples will be tested for mortar repair.
 - 2. Core two 2-1/2- or 3-inch-diameter Samples from the completed repair Work.
 - a. Cut cores through cured mortar repair and into base concrete to total depth equal to at least 2.5 times the repair mortar thickness.
 - b. Sawcut cores after removal to trim base concrete thickness to same thickness as mortar so bond line is at center of prepared Sample.
 - c. Bond Samples to steel plates at each end using epoxy bonding agent.
 - d. Perform tension testing using calibrated independent test laboratory equipment and eyebolts or threaded connectors tapped and threaded into the base plate so that the tension load is concentric with the center of the core Sample.
 - e. Bond line shall sustain minimum of 300 psi in direct tension without failure or movement.
- B. Repair and fill holes using same repair mortar where core Samples have been removed.
- C. Remove and replace unacceptable Work.

3.10 MANUFACTURER’S SERVICES

- A. Provide mortar system manufacturer’s representative at Site in accordance with Section 01 43 33, Manufacturers’ Field Services, for installation assistance, inspection and Certification of Proper Installation, and training of mortar system applicators.

3.11 PROTECTION

- A. Protect adjacent surfaces, and equipment, from being damaged by overshooting shotcrete mortar or low-pressure spray mortar.

3.12 CLEANING

- A. Remove overshot mortar and rebound materials as Work proceeds. Remove from Work waste materials, unsound material from concrete surfaces, material chipped from walls, and water used in preparation of application and finishing.

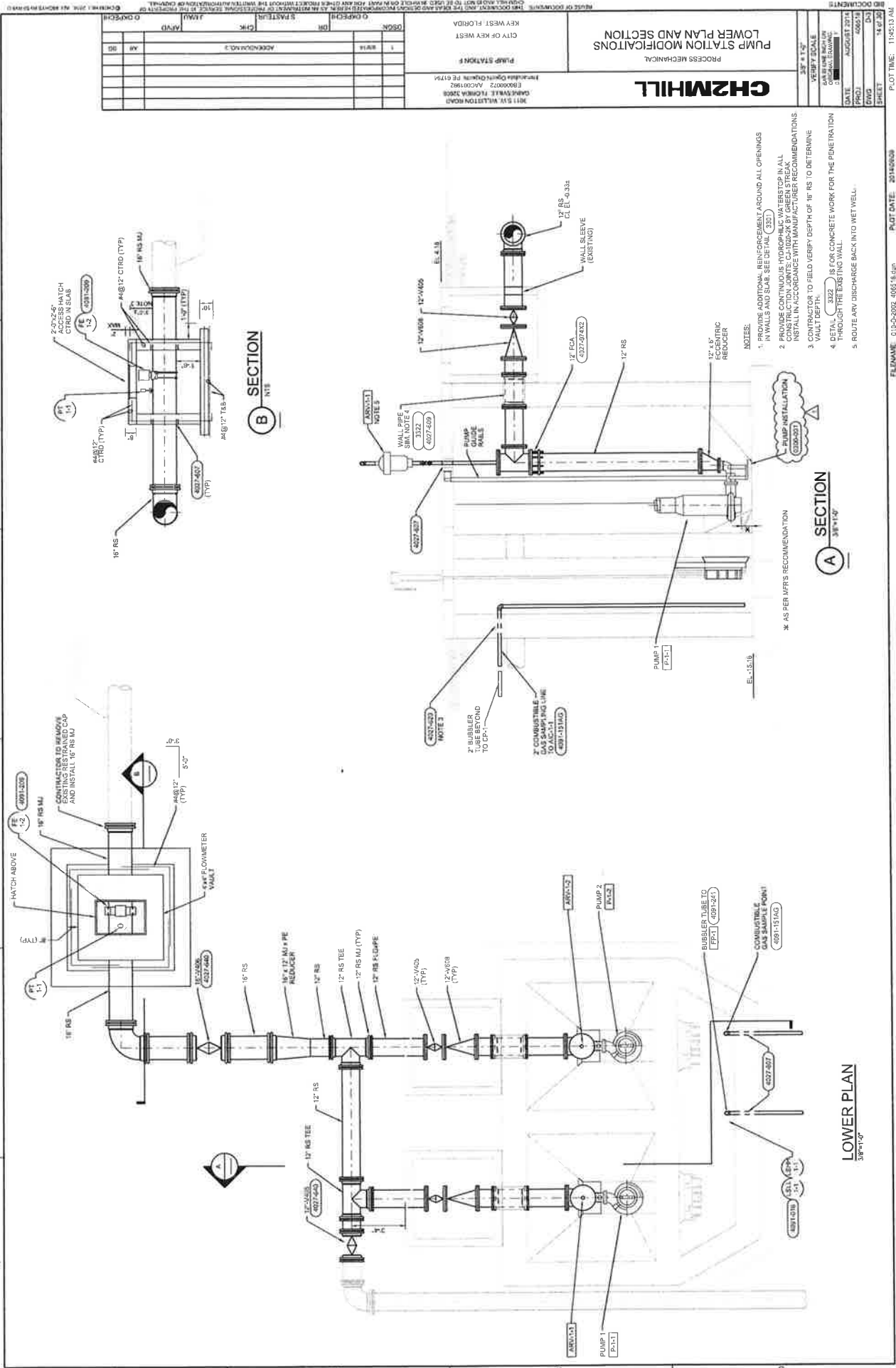
END OF SECTION

SECTION 40 27 00.01 CERAMIC-LINED DUCTILE IRON PIPE AND FITTINGS	
Item	Description
General	<p>Materials in contact with potable water shall conform to NSF 61 acceptance.</p> <p>Pipe manufacturer shall submit certification that source manufacturing facility has been producing ductile iron pipe of the specified diameters, dimensions, and standards for a period of not less than 10 years. Testing of pipe required by AWWA A21.51 shall be conducted in testing and laboratory facilities located in the USA and operating under USA laws and regulations. Pipe shall be handled during manufacture and shipped without nesting (without insertion of one pipe inside another).</p>
Pipe	<p>Buried Liquid Service Using Proprietary Restrained Joints: AWWA C111/A21.11, and AWWA C151/A21.51, pressure class conforming to Table 5 and Table 7 for Type 4 trench, 250 psi minimum working pressure. Follower glands shall be ductile iron.</p> <p>Exposed Pipe Using Grooved End and Flange Joints: AWWA C115/A21.15, thickness Class 53 minimum, 250 psi minimum working pressure.</p>
Lining	<p>Ceramic-epoxy: Pipe and fittings to be ceramic epoxy lined shall not have been previously lined. Surface preparation shall be made to surfaces free of grease, oil, or other substance with abrasive blasting using clean sand or grit abrasive. Lining shall be done within 8 hours of surface preparation and surfaces shall be reblasted if rusting appears before lining. Line with a total dry film thickness of 40-mils of ceramic epoxy. Ceramic epoxy shall be amine-cured Novolac epoxy with 20 percent minimum volume ceramic quartz pigment, Protecto 401 by Induron Coating, or equal. Lining shall be applied above 40 degrees F ambient temperature and shall not be applied to flange faces. Lining thickness shall be tested using a magnetic film thickness gauge. Lining integrity shall be tested on surfaces with a nondestructive, 2,500-volt dielectric resistance test.</p>

SECTION 40 27 00.01 CERAMIC-LINED DUCTILE IRON PIPE AND FITTINGS	
Item	Description
Fittings	<p>Lined and coated same as pipe.</p> <p>Proprietary Restrained: AWWA C110/A21.10, AWWA C111/A21.11, and AWWA C153/A21.53, ductile iron, 250 psi minimum working pressure. Restraint shall be achieved with removable metal elements fitted between a welded bar on the pipe barrel and the inside of the joint bell or fitting sizes smaller than 16 inches may be mechanical joint, restrained by anchor gland followers, ductile iron anchor type, wedge action, with break-off tightening bolts. Assembled joints shall be rated for deflection in operation at rated pressure. Rated deflection shall be not less than 1-1/2 degrees for 36 inch and smaller pipe. Rated deflection shall be not less than 1/2 degree for 42-inch and larger pipe. Clow Corp., American Cast Iron Pipe Co., U.S. Pipe. Restrained joints relying on metal teeth molded into the gasket to prevent joint separation under pressure will not be accepted.</p> <p>Grooved End: AWWA C606 and AWWA C110/A21.10, ductile iron, 250 psi minimum working pressure; Victaulic.</p> <p>Flange: AWWA C110/A21.10 ductile iron, faced and drilled, Class 125 flat face. Gray cast iron will not be allowed.</p>
Joints	<p>Proprietary Restrained: 150 psi minimum working pressure. Clow Corp., Super-Lock; American Cast Iron Pipe Co., Flex-Ring or Lok-Ring; U.S. Pipe, TR Flex.</p> <p>Flange: Class 125 flat face, ductile iron, threaded conforming to AWWA C115/A21.15. Gray cast iron will not be allowed.</p> <p>Branch connections 3 inches and smaller, shall be made with service saddles as specified in Section 40 27 01, Process Piping Specialties.</p>
Bolting	<p>Mechanical, Proprietary Restrained, and Grooved End Joints: Manufacturer's standard.</p> <p>Class 125 Flat-Faced Flange: ASTM A307, Grade A carbon steel hex head bolts, ASTM A563, Grade A carbon steel hex head nuts and ASTM F436/F436M hardened steel washers at nuts and bolt heads. Achieve 40 percent to 60 percent of bolt minimum yield stress.</p> <p>Flanged Joints in Sumps, Wet Wells, and Submerged and Wetted Installations: Type 316 stainless steel, ASTM A320/A320M, Grade B8M hex head bolts; ASTM A194/A194M, Grade 8M hex nuts and ASTM F436/F436M Type 3 alloy washers at nuts and bolt heads. Achieve 40 percent to 60 percent of bolt minimum yield stress.</p>

SECTION 40 27 00.01 CERAMIC-LINED DUCTILE IRON PIPE AND FITTINGS	
Item	Description
Gaskets	<p>General: Gaskets in contact with potable water shall be NSF 61 certified.</p> <p>Proprietary Restrained Joints; Water and Sewage Service: Rubber conforming to AWWA C111/A21.11.</p> <p>Grooved End Joints: Halogenated butyl conforming to ASTM D2000 and AWWA C606.</p> <p>Flanged, Water, and Sewage Services: 1/8-inch thick, homogeneous black rubber (EPDM), hardness 60 (Shore A), rated to 275 degrees F, conforming to ASME B16.21 and ASTM D2000 4CA 415 A25 B35 C32 EA14 F19.</p> <p>Full face for Class 125 flat-faced flanges, flat-ring type for Class 250 raised-face flanges. Blind flanges shall be gasketed covering entire inside face with gasket cemented to blind flange.</p> <p>Gasket pressure rating to equal or exceed the system hydrostatic test pressure.</p>
Joint Lubricant	Manufacturer's standard.

END OF SECTION



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