



**Indian River County Purchasing Division**

1800 27<sup>th</sup> Street

Vero Beach, FL 32960

Phone (772) 226-1416

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**CONTRACT DOCUMENTS AND  
SPECIFICATIONS  
FOR  
INDIAN RIVER COUNTY WELCOME SIGNS**

**BID NO. 2020048**

**PROJECT NO. IRC-1816**

PREPARED FOR  
THE BOARD OF COUNTY COMMISSIONERS  
INDIAN RIVER COUNTY, FLORIDA  
SUSAN ADAMS, CHAIRMAN  
JOSEPH E. FLESCHER, VICE-CHAIRMAN  
COMMISSIONER TIM ZORC  
COMMISSIONER PETER D. O'BRYAN  
COMMISSIONER BOB SOLARI  
JASON E. BROWN, COUNTY ADMINISTRATOR  
JEFFREY R. SMITH, CLERK OF COURT AND COMPTROLLER  
DYLAN REINGOLD, COUNTY ATTORNEY  
RICHARD B. SZPYRKA, P.E., PUBLIC WORKS DIRECTOR



**Indian River County Purchasing Division**

1800 27<sup>th</sup> Street

Vero Beach, FL 32960

Phone (772) 226-1416

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## INVITATION TO BID

Project Name: ***INDIAN RIVER COUNTY WELCOME SIGNS  
(IRC-1816)***

Bid #: ***2020048***

Bid Security Required: 5% for any total bid over \$35,000

Public Construction Bond Required: 100% for contracts over \$100,000

Bid Opening Date: ***Friday, July 17<sup>th</sup>, 2020***  
Bid Opening Time: ***2:00 PM***

**All bids must be received by the Purchasing Division, 1800 27<sup>th</sup> Street, Vero Beach, Florida 32960 prior to the date and time shown above. Late bids will not be accepted or considered.**

PLEASE SUBMIT ONE (1) MARKED ORIGINAL AND ONE (1) COPY OF YOUR BID, PLUS ONE (1) THUMB DRIVE OR CD CONTAINING A FULL PDF OF YOUR SUBMITTAL.

**Refer All Questions to:**

Jennifer Hyde, Purchasing Manager

Phone: (772) 226-1416

Email: [purchasing@ircgov.com](mailto:purchasing@ircgov.com)

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## ADVERTISEMENT FOR BID

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Notice is hereby given that the Indian River County Board of County Commissioners is calling for and requesting bids for the following:

**Indian River County Bid # 2020048  
INDIAN RIVERCOUNTY WELCOME SIGNS  
(IRC-1816)**

Detailed specifications are available at: [www.demandstar.com](http://www.demandstar.com) or by selecting "Current Solicitations" at <http://www.ircgov.com/Departments/Budget/Purchasing>. All communications concerning this bid shall be directed to IRC Purchasing Division at [purchasing@ircgov.com](mailto:purchasing@ircgov.com).

Deadline for receipt of bids has been set for **2:00 PM, Friday, July 17<sup>th</sup>, 2020**. Only bids received on or before the time and date listed will be considered. Bids should be addressed to Purchasing Division, 1800 27<sup>th</sup> Street, Vero Beach, Florida 32960. All bids will be opened publicly and read aloud at 2:00 PM. Bids submitted after 2:00 PM on the day specified above will not be accepted or considered.

BID SECURITY in the sum of not less than five percent (5%) of the total bid must accompany each bid over \$35,000.

The Board of County Commissioners reserves the right to accept or reject any and all bids in whole or in part and to waive any technicality or irregularity.

**PURCHASING MANAGER  
INDIAN RIVER COUNTY**

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**Publish: For Publication on Demandstar and Vendor Registry on June 17, 2020**

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## STATEMENT OF NO BID

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Should you elect not to bid, please complete and send this page by email ([purchasing@ircgov.com](mailto:purchasing@ircgov.com)), fax (772-770-5140) or by mail to Indian River County Purchasing, 1800 27<sup>th</sup> Street, Vero Beach, FL 32960.

Please select all of the following that apply. Our decision not to bid on the subject project was based on:

- Project is located too far from our base of operations
- Project value too low
- Project specifications unclear (please explain below)
- Material availability may be a challenge
- Our current schedule will not allow us to perform
- Unable to meet insurance requirements
- Other:
- Other:

General comments regarding the bid and/or plans and specifications:

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## INSTRUCTIONS TO BIDDERS

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### GENERAL TERMS AND CONDITIONS

**Cone of Silence.** Potential bidders/respondents and their agents must not communicate in any way with the Board of Commissioners, County Administrator or any County staff other than Purchasing personnel in reference or relation to this solicitation. This restriction is effective from the time of bid advertisement until the Board of County Commissioners meets to authorize award. Such communication may result in disqualification.

**Sealed Bids and Envelope Markings:** All bids must be submitted in a sealed opaque envelope. The outside of the envelope must be clearly marked with the Sealed Bid #, Title of the Bid, Date of the Bid opening, and Time of the Bid Opening and name of firm submitting.

**Opening Location:** It will be the sole responsibility of the Bidder to deliver personally or by mail or other delivery service, their proposal to the office of the Indian River County Purchasing Division. Bids should be delivered to 1800 27<sup>th</sup> Street, Vero Beach, FL 32960, on or before the closing hour and date shown for receipt of bids. Bids received in person or by mail after the stated time and date will not be considered.

**Bid Submission:** All bids must be signed with the legal Firm name and by an Officer or employee having authority to bind the company or firm by his / her signature. Bids must be submitted on forms provided by Indian River County. Only the bid form provided by OWNER is acceptable (Bidders are not to recreate the bid form). **Bids not submitted on the attached form(s) shall be rejected. Bids submitted on forms other than those provided within its document and/or addenda shall be rejected.** Submittal of one marked original bid, one copy plus a thumb drive or CD containing a full pdf of your submittal is required.

**Bid Security and Public Construction Bond:** Bid security must accompany each Bid over \$35,000, and must be in the form of an AIA Document A310 Bid Bond, properly executed by the Bidder and by a qualified surety, or a certified check or a cashier's check, drawn on any bank authorized to do business in the State of Florida. Bid Security for bids over \$35,000 must be in the sum of not less than five percent (5%) of the total amount of the bid, made payable to Indian River County Board of County Commissioners. In the event the Contract is awarded to the Bidder, Bidder will enter into a Contract with the County and furnish the required 100% Public Construction Bond within the timeframe set by the County. If Bidder fails to do so, the Bid Security will be retained by the County as liquidated damages and not as a penalty. If bid does not exceed \$100,000, no Public Construction Bond will be required. Bid Security of other Bidders whom OWNER believes do not have a reasonable chance of receiving the award will be returned within seven days after the Bid opening.

**Withdrawal of Bids:** A bid may be modified or withdrawn by an appropriate document duly executed in the manner that a Bid must be executed and delivered to the place where Bids are to be submitted prior to the date and time of opening of bids. If, within 24 hours after Bids are opened, any bidder files a duly signed written notice with Owner and promptly thereafter demonstrates to the reasonable satisfaction of Owner that there was a material and substantial mistake in the preparation of its Bid, that bidder may withdraw its bid and bid security will be returned. Thereafter, if the work is rebid, that bidder may be disqualified from further bidding on the work.

**Direct Purchase:** Indian River County reserves the option to purchase certain tangible materials necessary for the performance of the Contract, and thereby save the amount of the sales tax thereon by virtue of the Owner's status as a Tax-Exempt Institution. For the purpose of these procedures, the Contractor will assign to the County

any rights the Contractor may have under quotes, contracts or commitments received from the particular vendor or supplier for the materials described in the requisition. The invoiced amount of County Purchased Materials and applicable sales tax, had the purchases not been tax exempt, once finalized through the Owner's Purchase Order and after confirmation of completed delivery and acceptance, will be deducted from the Contractor's Contract price via Change Order.

**Taxes:** Indian River County is exempt from any taxes imposed by State and / or Federal Government. Exemption Certificates, if required, are to be furnished by the successful bidder and will be filled out by the County.

**Delivery and Completion Dates:** Indicate delivery and completion dates. This may be a determining factor in the award of the bid. The County may, at its option, grant additional time for any delay or failure to perform hereunder if the delay will not adversely affect the best interests of the County and is due to causes beyond the control of the Bidder. Such grant must be in writing and made part of the resulting Agreement.

**Irrevocable Offer:** Bidder warrants by virtue of bidding that the prices quoted in this bid will remain firm and be considered an irrevocable offer for a period of sixty (60) days, during which time one or more of the bids received may be accepted by Indian River County.

**Assignment/Delegation:** No right, obligation or interest in an awarded Agreement may be assigned or delegated by the Bidder without prior written consent of the County, without prejudice to County's other rights and remedies.

**Consideration of Bids:** Verbal, emailed or faxed bids will not be considered.

**Indemnification:** The successful Bidder shall indemnify and hold harmless the County, and its commissioners, officers and employees, from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the contractor and persons employed or utilized by the contractor in the performance of the construction contract.

**Public Access:** The Bidder shall allow public access to all documents and materials in accordance with the provisions of Chapter 119, Florida Statutes. If this project is federally-funded, the Department of Homeland Security (DHS) seal(s), logos, crests, or reproductions of flags or likenesses of DHS agency officials shall not be used by the Bidder without specific FEMA pre-approval.

**Records/Audit:** The Bidder shall maintain books, records and documents pertinent to performance under this Invitation and any resulting Agreement in accordance with generally accepted accounting principles consistently applied. The County and the Florida Office of the Inspector General shall have inspection and audit rights to such records for audit purposes during the term of the contract and for three years following the termination of obligations hereunder. Records which relate to any litigation, appeals or settlements of claims arising from performance under this work or purchase shall be made available until a final disposition has been made of such litigation, appeals, or claims.

**Acceptance:** Receipt of an item shall not be an indication that the items are acceptable. Final acceptance and authorization of payment shall be given after a thorough inspection indicates that the item is delivered in accordance with the Bid Specifications. Suppliers are advised that in the event the delivered item does not meet specifications, payment will be withheld until such time the supplier takes necessary corrective action.

**Permits, Impact and Inspection Fees.** In accordance with Florida Statutes Section 218.80, the "Public Bid Disclosure Act", Indian River County as OWNER is obligated to disclose all license, permit, impact, or inspection fees that are payable to Indian River County in connection with the construction of the Work by the accepted bidder. No fees are anticipated to be due from the Contractor to OWNER for this work. This amount does not include fees for any necessary re-inspection(s), which are the responsibility of the Contractor.

**Descriptive Information:** Descriptive literature including Specifications must accompany your bid. Manufacturer's name and model numbers are used herein solely for the purpose of establishing a standard of design, quality, and use of the merchandise required. Products of other manufacturers will be acceptable if they meet or exceed established standards with the exception of those items specified "NO SUBSTITUTION".

**Variations to Specifications:** For purposes of evaluation, *Bidder must indicate any variances from the specifications and / or conditions on the form provided with this Invitation to Bid.* Otherwise, it will be assumed that the product or service fully complies with the specifications. Items specifically described, as alternates shall be reviewed as an alternative bid to be considered by the County, in lieu of the primarily specified item(s). However, item(s) varying from the published specifications shall be considered substitutes, and the County reserves the right to consider or not to consider substitute bids. Substitutes shall be subject to disqualification if the County does not approve the substitution.

**Interpretations:** No oral interpretations will be made to any Bidder as to the meaning of the Specifications. Every request for such an interpretation shall be made in writing, addressed and forwarded to Indian River County ([purchasing@ircgov.com](mailto:purchasing@ircgov.com)) ten (10) or more days before the date fixed for opening of the bids. The County shall not be responsible for oral interpretations given by any County employee. Every interpretation made to bidder will be in the form of an Addendum to the specifications, which if issued, will be sent promptly as is practical to all persons to whom specifications have been issued. All such Addenda shall become part of the specifications. Further, it shall be the responsibility of each bidder, prior to submitting their bid, to contact Indian River County's Purchasing Division at (772) 226-1416 to determine if addenda were issued and to make such addenda a part of their bid.

**Default Provision:** In case of default by the Bidder, Indian River County may procure the articles or services from other sources and hold the Bidder responsible for excess costs incurred thereby, and may take such action, as it deems appropriate, including legal action for Damages or Specific Performance.

**Signed Bid Considered an Offer:** This signed bid shall be considered an offer on the part of the Bidder. Indian River County Board of County Commissioners shall deem the offer accepted upon approval.

**Non-Collusion:** By signing and submitting the Bid Form, the Bidder certifies that,

- This bid has been arrived at by the Bidder independently and has been submitted without collusion, and without any agreement, understanding, or planned common course, or action with, any vendor of materials, supplies, equipment, or services described in the invitation to bid, designed to limit independent bidding or competition, and
- The contents of the bid have not been communicated by the Bidder or its employees or agents to any person not an employee or an agent of the bidder or its surety on any bond furnished with the bid, and will not be communicated to any such person prior to the official opening of the bid.



- No attempt has been made or will be made by the Bidder to induce any other person(s) or firm(s) to submit or not to submit a bid for the purpose of restricting competition.

**Public Entity Crimes:** Pursuant to Florida Statutes Section 287.133(2)(a), all Bidders are hereby notified that 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, proposal, or reply on a contract to provide any goods or services to a public entity (defined as the State of Florida, any of its departments or agencies, or any political subdivision); may not submit a bid, proposal, or reply on a contract with a public entity for the construction or repair of a public building or public work; may not submit bids, proposals, or replies 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 Florida Statutes Section 287.017 for CATEGORY TWO [currently \$35,000] for a period of 36 months from the date of being placed on the convicted vendor list. A "public entity crime" 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, proposal, reply, or contract for goods or services, any lease for real property, or any contract for the construction or repair of a public building or public work, involving antitrust, fraud, theft, bribery, collusion, racketeering, conspiracy, or material misrepresentation.

**Suspension and Debarment:** Indian River County will not make award to parties listed on the government-wide exclusions in the System for Award Management (SAM). The bidder agrees to comply with the requirements of 2 C.F.R. pt. 180, subpart C and 2 C.F.R. pt. 3000, subpart C while this offer is valid and throughout the period of any contract that may arise from this offer. The bidder or proposer further agrees to include a provision requiring such compliance in its lower tier covered transactions.

**Scrutinized Companies Lists:** The bidder certifies that it and those related entities of respondent as defined by Florida law are not on the Scrutinized Companies that Boycott Israel List, created pursuant to s. 215.4725 of the Florida Statutes, and are not engaged in a boycott of Israel. In addition, if this agreement is for goods or services of one million dollars or more, Contractor certifies that it and those related entities of respondent as defined by Florida law are not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Section 215.473 of the Florida Statutes and are not engaged in business operations in Cuba or Syria. The County may terminate this Contract if Company is found to have submitted a false certification as provided under section 287.135(5), Florida Statutes, been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or been engaged in business operations in Cuba or Syria, as defined by section 287.135, Florida Statutes. County may terminate this Contract if Company, including all wholly owned subsidiaries, majority-owned subsidiaries, and parent companies that exist for the purpose of making profit, is found to have been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel as set forth in section 215.4725, Florida Statutes.

Accordingly, firms responding to this solicitation shall return with their response an executed copy of the attached "Certification Regarding Prohibition Against Contracting With Scrutinized Companies." Failure to return this executed form with submitted bid/proposal/statement of qualifications will result in the response being deemed non-responsive and eliminated from consideration.

**Non-Discrimination:** Indian River County will not knowingly do business with vendors or contractors who discriminate on the basis of race, color or national origin, sex, sexual orientation, gender identity, age and/or disability. Through the course of providing services to the County, Contractors shall affirmatively comply with all

applicable provisions of Title VI of the Civil Rights Act of 1964, the Civil Rights Restoration Act of 1987 and the Florida Civil Rights Act of 1992, as well as all other applicable regulations, guidelines and standards. Any person who believes their rights have been violated should report such discrimination to the County's Title VI/Nondiscrimination Coordinator through the office of the County Attorney.

**Local Preference:** Indian River County has no local ordinance or preferences, as described in Florida Statutes section 255.0991(2) in place, therefore no preference prohibited by that section will be considered in the acceptance, review or award of this bid.

**Energy Policy and Conservation Act** – The Contractor agrees to comply with mandatory standards and policies relating to energy efficiency which are contained in the state energy conservation plan issued in compliance with the Energy Policy and Conservation Act.

**Regulations:** It shall be the responsibility of the bidder to assure compliance with any OSHA, EPA and / or other Federal or State of Florida rules, regulations, or other requirements, as each may apply.

**Applicable Law and Venue:** The resulting Agreement and all rights and duties of the parties hereto shall be governed by the laws of the State of Florida, including but not limited to the provisions of the Florida Uniform Commercial Code Chapters 671-679 F.S., for any terms and conditions not specifically stated within. Venue for any lawsuit brought by either party against the other party or otherwise arising out of this Contract shall be in Indian River County, Florida, or, in the event of a federal jurisdiction, in the United States District Court for the Southern District of Florida.

**Conflict of Interest:** Any entity submitting a bid or proposal or entering into a contract with the County shall disclose any relationship that may exist between the contracting entity and a County Commissioner or a County Employee. The relationship with a County Commissioner or a County Employee that must be disclosed is as follows: *father, mother, son, daughter, brother, sister, uncle, aunt, first cousin, nephew, niece, husband, wife, father-in-law, mother-in-law, daughter-in-law, son-in-law, brother-in-law, sister-in-law, stepfather, stepmother, stepson, stepdaughter, stepbrother, stepsister, half brother, half sister, grandparent, or grandchild.* The term "affiliate" includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of the entity. The disclosure of relationships shall be a sworn statement made on a County approved form. Failure to submit the form may be cause for rejection of the bid or proposal.

**Cancellation:** It is the intention of Indian River County to purchase material and / or services from sources of supply that will provide prompt and convenient shipment and service. Any failure of the supplier to satisfy the requirements of the County shall be reason for termination of the award.

**Errors:** When an error is made in the bid extension of generating total bid prices or in any other process of completing the bid, the original unit prices submitted will govern. Carelessness in quoting prices, or in preparation of the bid otherwise, will not relieve the bidder from performance.

**Bid Rejection:** Failure to comply with all the above instructions *may* result in rejection of the bid.

**Bid Protest:** Any actual or prospective bidder or proposer who is aggrieved in connection with a competitive selection process may protest to the Purchasing Manager. The protest shall be submitted to the Purchasing Manager in writing within seven (7) calendar days after the bidder or proposer knows or should have known of the facts giving rise to the protest. If the protest is not resolved by mutual agreement, the Purchasing Manager

shall promptly issue a decision in writing, after consulting the Department and the Office of the County Attorney.

**Supplemental Information:** The County reserves the right to conduct such investigations as it deems necessary to assist in the evaluation of any Bid and to establish the responsibility, qualifications and financial ability of Bidders, proposed subcontractors, suppliers, and other relevant parties to perform and furnish the work. To demonstrate qualifications to perform the work, each Bidder must be prepared to submit, within 5 days of Owner's request, written evidence, such as financial data, previous experience, present commitments, and other such data as may be necessary to prove to the satisfaction of the Owner that the Bidder is qualified by experience to do the work and is prepared to complete the work within the stated time period. Failure to provide any requested information may result in the determination of the Bidder as non-responsible.

**Awards:** The County reserves the right to cancel the bid, reject any and all bids or waive any irregularity or technicality in bids received. When it is determined there is no competition to the lowest responsive, responsible Bidder, rebidding the project is not required. Bidders are cautioned to make no assumptions unless their bid has been evaluated as being responsive. The County reserves the right to not make any award(s) under this bid.

**Termination by the County:** The County reserves the right to terminate a contract by giving thirty (30) days notice, in writing, of the intention to terminate, if at any time the contractor fails to abide by or fulfill any of the terms and conditions of the contract. The County also reserves the right to terminate this contract for convenience of the County and / or with or without cause.

**Compliance with Laws and Regulations:** Bidder agrees that they will comply with all Federal, State, and Local Laws and Regulations applicable to the production, sale, and delivery of the goods or the furnishing of any labor or services called for by the resulting Agreement, and any provisions required thereby to be included herein shall be deemed to be incorporated herein by reference. Noncompliance may be considered grounds for termination of contracts.

**Public Record Law:** Correspondence, materials, and documents received pursuant to this Invitation for Bid become public records subject to the provisions of Chapter 119, Florida Statutes. Should the Bidder assert any exemptions to the requirements of Chapter 119, Florida Statutes, and related statutes, the burden of establishing such exemption, by the way of injunctive or other relief as provided by law, shall be upon the Bidder.

**Licensure:** Bidder must possess State of Florida General Contractor's license. Successful bidder must be registered with the Indian River County Building Division prior to contract execution.

**Insurance:**

- **Owners and Subcontractors Insurance:** The Contractor shall not commence work until they have obtained all the insurance required under this section, and until such insurance has been approved by the owner, nor shall the contractor allow any subcontractor to commence work until the subcontractor has obtained the insurance required for a contractor herein and such insurance has been approved unless the subcontractor's work is covered by the protections afforded by the Contractor's insurance.
- **Worker's Compensation Insurance:** The Contractor shall procure and maintain worker's compensation insurance to the extent required by law for all their employees to be engaged in work under this contract. In case any employees are to be engaged in hazardous work under this contract and are not

protected under the worker’s compensation statute, the Contractor shall provide adequate coverage for the protection of such employees.

- **Public Liability Insurance:** The Contractor shall procure and maintain broad form commercial general liability insurance (including contractual coverage) and commercial automobile liability insurance in amounts not less than shown below. The owner shall be an additional named insured on this insurance on this insurance with respect to all claims arising out of the operations or work to be performed.

<p>Commercial General (Public) Liability, other than Automobile</p> <p>\$1,000,000.00 Combined single limit for Bodily Injury and Property Damage</p>	<p><b>Commercial General</b></p> <p>A. <b>Premises / Operations</b></p> <p>B. <b>Independent Contractors</b></p> <p>C. <b>Products / Completed Operations</b></p> <p>D. <b>Personal Injury</b></p> <p>E. <b>Contractual Liability</b></p> <p>F. <b>Explosion, Collapse, and Underground Property Damage</b></p>
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<p>Automobile</p> <p>\$1,000,000.00 Combined single limit Bodily Injury and Damage Liability</p>	<p>A. <b>Owner Leased Automobiles</b></p> <p>B. <b>Non-Owned Automobiles</b></p> <p>C. <b>Hired Automobiles</b></p> <p>D. <b>Owned Automobiles</b></p>
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- **Proof of Insurance:** The Contractor shall furnish the owner a certificate of insurance in a form acceptable to the owner for the insurance required. Such certificate or an endorsement provided by the contractor must state that the owner will be given thirty (30) days written notice prior to cancellation or material change in coverage. Copies of an endorsement-naming owner as Additional Insured must accompany the Certificate of Insurance.

Indian River County reserves the right to accept or reject any or all bids in whole or in part and waive all any technicality or irregularity.

**Note: Any and all special conditions attached hereto, which may vary from these General Conditions, shall have precedence.**

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End of General Terms and Conditions

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## TECHNICAL SPECIFICATIONS

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### SCOPE

**Construct landmark welcome signs at four roadway entry points within the County, those locations are; US Highway 1 near the North and South County lines; SR60 East of the I-95 interchange; and CR 512 East of the interchange with I-95. Each sign will have a steel reinforced concrete footing, steel reinforced block wall, stone veneer finish and steel powder coated retro-reflective painted lettering.**

**List of Drawings:**

**US Highway 1 (North)**

<i>Existing Conditions &amp; Proposed Sign Location</i>	<i>Sheet C-1</i>	<i>1 sheet</i>
<i>Structural (Sign notes, plan &amp; elevations, details)</i>	<i>Sheets S-1, S-2, S-3</i>	<i>3 sheets</i>

**US Highway 1 (South)**

<i>Existing Conditions &amp; Proposed Sign Location</i>	<i>Sheet C-1</i>	<i>1 sheet</i>
<i>Structural (Sign notes, plan &amp; elevations, details)</i>	<i>Sheets S-1, S-2, S-3</i>	<i>3 sheets</i>

**SR60**

<i>Existing Conditions &amp; Proposed Sign Location</i>	<i>Sheet C-1</i>	<i>1 sheet</i>
<i>Structural (Sign notes, plan &amp; elevations, details)</i>	<i>Sheets S-1, S-2, S-3</i>	<i>3 sheets</i>

**CR512**

<i>Existing Conditions &amp; Proposed Sign Location</i>	<i>Sheet C-1</i>	<i>1 sheet</i>
<i>Structural (Sign notes, plan &amp; elevations, details)</i>	<i>Sheets S-1, S-2, S-3</i>	<i>3 sheets</i>

	Total	16 sheets
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Regular working hours are defined as Monday through Friday, excluding Indian River County Holidays, from 7 a.m. to 5 p.m. All costs of inspection and testing performed during overtime work by the CONTRACTOR, which is allowed solely for the convenience of the CONTRACTOR, shall be borne by the CONTRACTOR.

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End of Technical Specifications



**Indian River County Purchasing Division**

1800 27<sup>th</sup> Street  
Vero Beach, FL 32960  
Phone (772) 226-1416

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**BID FORM**

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**PROJECT NAME: INDIAN RIVER COUNTY WELCOME SIGNS (IRC-1816)**

Bid #: 2020048  
Bid Opening Date and Time: Friday, July 17<sup>th</sup>, 2020 2 PM  
Bid Opening Location: Purchasing Division  
1800 27<sup>th</sup> Street  
Vero Beach, FL 32960

The following addenda are hereby acknowledged:

Addendum Number	Date
_____	_____
_____	_____
_____	_____
_____	_____

\_\_\_\_\_  
Bidder's Name

In accordance with all terms, conditions, specifications, and requirements, the Bidder offers the following:

Item	Description	Unit	Unit Price
1A	U.S. Highway 1 (North) Site Work	LS	\$
1B	U.S. Highway 1 (North) Structure	LS	\$
U.S. Highway 1 (North) Subtotal			\$
2A	U.S. Highway 1 (South) Site Work	LS	\$
2B	U.S. Highway 1 (South) Structure	LS	\$
U.S. Highway 1 (South) Subtotal			\$
3A	SR 60 Site Work	LS	\$
3B	SR 60 Structure	LS	\$
SR 60 Subtotal			\$
4A	CR 512 Site Work	LS	\$
4B	CR 512 Structure	LS	\$
CR 512 Subtotal			\$
Total Sign Subtotal			\$
Force Account*			<b>\$10,000</b>
<b>Total Bid Price</b>			<b>\$</b>

**Total Bid Price in Words**

\* Force Account is only utilized for unforeseen conditions not anticipated in the scope or specifications, and is not guaranteed. Costs must be pre-approved and substantiated.

The following documents must be submitted and made a condition of this Bid:

- A. Bid Form & Itemized Bid Schedule (pages **14** to **16**, inclusive);
- B. Required Bid security in the form of \_\_\_\_\_;
- C. Drug-Free Workplace Certification (page **17**);
- D. Sworn Statement under Section 105.08, Indian River Code, on Disclosure of Relationships (pages **18** to **19**, inclusive);

- E. Bidders Qualifications Questionnaire (pages **20** to **22**, inclusive);
- F. Certification Regarding Prohibition Against Contracting with Scrutinized Companies (page **23**);
- G. List of Subcontractors (page **24**)

**The undersigned hereby certifies that they have read and understand the contents of this solicitation and agree to furnish at the prices shown any or all of the items above, subject to all instructions, conditions, specifications, and attachments hereto. Failure to have read all the provisions of this solicitation shall not be cause to alter any resulting contract or request additional compensation.**

Company Name: \_\_\_\_\_

Company Address: \_\_\_\_\_

City, State \_\_\_\_\_ Zip Code \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

E-mail: \_\_\_\_\_

Business Tax Receipt Number: \_\_\_\_\_ FEIN Number: \_\_\_\_\_

Florida CGC License Number: \_\_\_\_\_

**Authorized Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_

Name: \_\_\_\_\_ Title: \_\_\_\_\_

(Typed/ Printed)



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## DRUG-FREE WORKPLACE CERTIFICATION

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(Please include this form with your bid)

The undersigned vendor in accordance with Florida Statute 287.087 hereby certifies that \_\_\_\_\_ does:

(Name of Business)

1. Publish a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession, or use of a controlled substance is prohibited in the workplace and specifying the actions that will be taken against employees for violations of such prohibition.
2. Inform employees about the dangers of drug abuse in the workplace, the business's policy of maintaining a drug-free workplace, any available drug counseling, rehabilitation, and employee assistance programs, and the penalties that may be imposed upon employees for drug abuse violations.
3. Give each employee engaged in providing the commodities or contractual services that are under bid a copy of the statement specified in subsection (1).
4. In the statement specified in subsection (1), notify the employees that, as a condition of working on the commodities or contractual services that are under bid, the employee will abide by the terms of the statement and will notify the employer of any conviction of, or plea of guilty or nolo contendere to, any violation of chapter 893 or of any controlled substance law of the United States or any state, for a violation occurring in the workplace no later than 5 days after such conviction.
5. Impose a sanction on, or require the satisfactory participation in a drug abuse assistance or rehabilitation program if such is available in the employee's community by, any employee who is so convicted.
6. Make a good faith effort to continue to maintain a drug-free workplace through implementation of Section 287.087.

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

\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Bidder's Signature

Date: \_\_\_\_\_

---

**SWORN STATEMENT UNDER SECTION 105.08, INDIAN RIVER COUNTY CODE,  
ON DISCLOSURE OF RELATIONSHIPS**

---

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

1. This sworn statement **MUST** be submitted with Bid, Proposal or Contract No. 2020048  
for INDIAN RIVER COUNTY WELCOME SIGNS (IRC-1816)

2. This sworn statement is submitted by: \_\_\_\_\_  
\_\_\_\_\_  
(Name of entity submitting Statement)

whose business address is:

\_\_\_\_\_ and its Federal Employer Identification Number (FEIN) is \_\_\_\_\_

3. My name is \_\_\_\_\_  
(Please print name of individual signing)

and my relationship to the entity named above is \_\_\_\_\_

4. I understand that an “affiliate” as defined in Section 105.08, Indian River County Code, means:

The term “affiliate” includes those officers, directors, executives, partners, shareholders, employees, members, and agents who are active in the management of the entity.

5. I understand that the relationship with a County Commissioner or County employee that must be disclosed as follows:

Father, mother, son, daughter, brother, sister, uncle, aunt, first cousin, nephew, niece, husband, wife, father-in-law, mother-in-law, daughter-in-law, son-in-law, brother-in-law, sister-in-law, stepfather, stepmother, stepson, stepdaughter, stepbrother, stepsister, half brother, half sister, grandparent, or grandchild.

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

\_\_\_\_\_ Neither the entity submitting this sworn statement, nor any officers, directors, executives, partners, shareholders, employees, members, or agents who are active in management of the entity, have any relationships as defined in section 105.08, Indian River County Code, with any County Commissioner or County employee.

\_\_\_\_\_ The entity submitting this sworn statement, or one or more of the officers, directors, executives, partners, shareholders, employees, members, or agents, who are active in management of the entity have the following relationships with a County Commissioner or County employee:

Name of Affiliate or entity	Name of County Commissioner or employee	Relationship
_____	_____	_____
_____	_____	_____
_____	_____	_____

\_\_\_\_\_  
(Signature)

\_\_\_\_\_  
(Date)

STATE OF \_\_\_\_\_

COUNTY OF \_\_\_\_\_

Sworn to (or affirmed) and subscribed before me by means of  physical presence or  online notarization, this \_\_\_\_ day of 20\_\_\_\_, by \_\_\_\_\_ (name of person making statement).

\_\_\_\_\_  
(Signature of Notary Public - State of Florida)  
(Print, Type, or Stamp Commissioned Name of Notary Public)

who is personally known to me or  who has produced \_\_\_\_\_ as identification.

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## BIDDERS QUALIFICATIONS QUESTIONNAIRE

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NOTICE: THE OWNER RETAINS THE DISCRETION TO REJECT THE BIDS OF NON-RESPONSIBLE BIDDERS.

**UNDER PENALTY OF PERJURY**, the undersigned Bidder Guarantees the truth and accuracy of all statements and answers herein contained. Failure to comply with these requirements may be considered sufficient justification to disqualify a Bidder. Attach additional sheets as required.

**Documentation Submitted with Project No: IRC-1816**

**Project Name: INDIAN RIVER COUNTY WELCOME SIGNS**

1. Bidder's Name / Address: \_\_\_\_\_  
\_\_\_\_\_
  
2. Bidder's Telephone & FAX Numbers: \_\_\_\_\_  
\_\_\_\_\_
  
3. Licensing and Corporate Status:
  - a. Is Contractor License current? \_\_\_\_\_
  - b. Bidder's Contractor License No: \_\_\_\_\_ [Attach a copy of Contractor's License to the bid]
  - c. Attach documentation from the State of Florida Division of Corporations that indicates the business entity's status is active and that lists the names and titles of all officers.
  
4. Number of years the firm has performed business as a Contractor in construction work of the type involved in this contract: \_\_\_\_\_
  
5. What is the last project OF THIS NATURE that the firm has completed?  
\_\_\_\_\_  
\_\_\_\_\_
  
6. Has the firm ever failed to complete work awarded to you? \_\_\_\_\_  
  
 [If your answer is "yes", then attach a separate page to this questionnaire that explains the circumstances and list the project name, Owner, and the Owner's telephone number for each project in which the firm failed to complete the work.]
  
7. Has the firm ever been assessed liquidated damages? \_\_\_\_\_  
  
 [If your answer is "yes", then attach a separate page to this questionnaire that explains the circumstances and list the project name, Owner, and the Owner's telephone number for each project in which liquidated damages have been assessed.]
  
8. Has the firm ever been charged by OSHA for violating any OSHA regulations? \_\_\_\_\_

[If your answer is “yes”, then attach a separate page to this questionnaire that explains the circumstances and list the project name, Owner, and the Owner’s telephone number for each project in which OSHA violations were alleged.]

9. Has the firm implemented a drug-free workplace program in compliance with Florida Statute 287.087? \_\_\_\_\_

(In the case of a tie, preference will be given to businesses with drug-free workplace programs)

10. Has the firm ever been charged with noncompliance of any public policy or rules? \_\_\_\_\_

[If your answer is “yes”, then attach a separate page to this questionnaire that explains the circumstances and list the project name, Owner, and the Owner’s telephone number for each project.]

11. Attach to this questionnaire, a notarized financial statement and other information that documents the firm’s financial strength and history.

12. Has the firm ever defaulted on any of its projects? \_\_\_\_\_

[If your answer is “yes”, then attach a separate page to this questionnaire that explains the circumstances and list the project name, Owner, and the Owner’s telephone number for each project in which a default occurred.]

13. Attach a separate page to this questionnaire that summarizes the firm’s current workload and that demonstrates its ability to meet the project schedule.

14. Name of person who inspected the site of the proposed work for the firm:

Name: \_\_\_\_\_ Date of Inspections: \_\_\_\_\_

15. Name of on-site Project Foreman: \_\_\_\_\_

Number of years of experience with similar projects as a Project Foreman: \_\_\_\_\_

16. Name of Project Manager: \_\_\_\_\_

Number of years of experience with similar projects as a Project Manager: \_\_\_\_\_

17. State your total bonding capacity: \_\_\_\_\_

18. State your bonding capacity per job: \_\_\_\_\_

19. Please provide name, address, telephone number, and contact person of your

bonding company: \_\_\_\_\_

19. Complete the following table for SIMILAR projects:

Name of Project	Date Completed	Owner	Contact Person: Name/ Email Address/Phone	Original Contract Amount	Final Contract Amount

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**CERTIFICATION REGARDING PROHIBITION AGAINST CONTRACTING WITH  
SCRUTINIZED COMPANIES**

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**(This form MUST be submitted with your bid)**

I hereby certify that neither the undersigned entity, nor any of its wholly owned subsidiaries, majority-owned subsidiaries, parent companies, or affiliates of such entities or business associations, that exists for the purpose of making profit have been placed on the Scrutinized Companies that Boycott Israel List created pursuant to s. 215.4725 of the Florida Statutes, or are engaged in a boycott of Israel.

In addition, if this solicitation is for a contract for goods or services of one million dollars or more, I hereby certify that neither the undersigned entity, nor any of its wholly owned subsidiaries, majority-owned subsidiaries, parent companies, or affiliates of such entities or business associations, that exists for the purpose of making profit are on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to s. 215.473 of the Florida Statutes, or are engaged in business operations in Cuba or Syria as defined in said statute.

I understand and agree that the County may immediately terminate any contract resulting from this solicitation upon written notice if the undersigned entity (or any of those related entities of respondent as defined above by Florida law) are found to have submitted a false certification or any of the following occur with respect to the company or a related entity: (i) it has been placed on the Scrutinized Companies that Boycott Israel List, or is engaged in a boycott of Israel, or (ii) for any contract for goods or services of one million dollars or more, it has been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or it is found to have been engaged in business operations in Cuba or Syria.

Name of Respondent: \_\_\_\_\_

By: \_\_\_\_\_  
(Authorized Signature)

Title: \_\_\_\_\_

Date: \_\_\_\_\_

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## LIST OF SUBCONTRACTORS

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The Bidder **MUST** list below the name and address of each Subcontractor who will perform work under this Contract in excess of one-half percent of the total bid price, and shall also list the portion of the work which will be done by such Subcontractor. After the opening of Bids, additions, changes or substitutions will not be allowed unless approved by Indian River County after a request for such a change has been submitted in writing by the Contractor, which shall include reasons for such request. Subcontractors must be properly licensed and hold a valid Certificate of Competency.

Documentation Submitted with Project No. IRC-1816 for INDIAN RIVER COUNTY WELCOME SIGNS

	<u>Work to be Performed</u>	<u>Subcontractor's Name/Address</u>	<u>Portion of Work (%)</u>
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			

Note: Attach additional sheets if required.



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## SAMPLE AGREEMENT

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**THIS AGREEMENT** is by and between INDIAN RIVER COUNTY, a Political Subdivision of the State of Florida organized and existing under the Laws of the State of Florida, (hereinafter called OWNER)

and \_\_\_\_\_  
(hereinafter called CONTRACTOR). OWNER and CONTRACTOR, in consideration of the mutual covenants hereinafter set forth, agree as follows:

### **ARTICLE 1 - WORK**

CONTRACTOR shall complete all Work as specified or indicated in the Contract Documents. The Work is generally described as follows:

***Construct landmark welcome signs at four roadway entry points within the County, those locations are; US Highway 1 near the North and South County lines; SR60 East of the I-95 interchange; and CR 512 East of the interchange with I-95. Each sign will have a steel reinforced concrete footing, steel reinforced block wall, stone veneer finish and steel powder coated retro-reflective painted lettering.***

### **ARTICLE 2 - THE PROJECT**

The Project for which the Work under the Contract Documents may be the whole or only a part is generally described as follows:

Project Name:               **INDAIN RIVER COUNTY WELCOME SIGNS (IRC-1816)**  
Bid Number:               **2020048**  
Project Address:           ***US Highway 1 near the North and South County lines; SR60 East of the I-95 interchange; and CR 512 East of the interchange with I-95.***

### **ARTICLE 3 - CONTRACT TIMES**

#### 3.01 *Time of the Essence*

- A. All time limits for Milestones, if any, Substantial Completion, and completion and readiness for final payment as stated in the specifications are of the essence of the Agreement.

#### 3.02 *Days to Achieve Substantial Completion, Final Completion and Final Payment*

- A. The Work will be substantially completed on or before the   90   calendar day after the date when the Contract Times commence to run as provided in the Notice to Proceed and completed and ready for final payment in accordance with the Notice to Proceed on or before the   120   calendar day after the date when the Contract Times commence to run.

3.03 *Liquidated Damages*

- A. CONTRACTOR and OWNER 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 3.02 above, plus any extensions thereof allowed in writing as a change order to this Agreement. Liquidated damages will commence for this portion of work. The parties also recognize the delays, expense, and difficulties involved in proving in a legal proceeding the actual loss suffered by OWNER if the Work is not completed on time. Accordingly, instead of requiring any such proof, OWNER and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty), CONTRACTOR shall pay OWNER **\$956.00** for each calendar day that expires after the time specified in paragraph 3.02 for completion and readiness for final payment until the Work is completed and ready for final payment.

**ARTICLE 4 - CONTRACT PRICE**

4.01 OWNER shall pay CONTRACTOR for completion of the Work an amount in current funds equal to the sum of the amounts determined pursuant to paragraph 4.01.A and summarized in paragraph 4.01.B, below:

- A. For all Work, at the prices stated in CONTRACTOR’s Bid, attached hereto as an exhibit.
- B. THE CONTRACT SUM subject to additions and deductions provided in the Contract Documents:

Numerical Amount: \$ \_\_\_\_\_

Written Amount: \_\_\_\_\_  
\_\_\_\_\_

**ARTICLE 5 - PAYMENT PROCEDURES**

5.01 *Progress Payments.*

- A. The OWNER shall make progress payments to the CONTRACTOR on the basis of the approved partial payment request as recommended by ENGINEER in accordance with the provisions of the Local Government Prompt Payment Act, Florida Statutes section 218.70 et. seq. The OWNER shall retain ten percent (10%) of the payment amounts due to the CONTRACTOR until fifty percent (50%) completion of the work. After fifty percent (50%) completion of the work is attained as certified to OWNER by ENGINEER in writing, OWNER shall retain five percent (5%) of the payment amount due to CONTRACTOR until final completion and acceptance of all work to be performed by CONTRACTOR under the Contract Documents. Pursuant to Florida Statutes section 218.735(8)(b), fifty percent (50%) completion means the point at which the County as OWNER has expended fifty percent (50%) of the total cost of the construction services work purchased under the Bid

and Specification Documents, together with all costs associated with existing change orders and other additions or modifications to the construction services work provided under the Contract Documents.

5.02 *Pay Requests.*

- A. On a form provided by the OWNER, each request for a progress payment shall contain the CONTRACTOR'S certification. All progress payments will be on the basis of progress of the work measured by the schedule of values established, or in the case of unit price work based on the number of units completed. After fifty percent (50%) completion, and pursuant to Florida Statutes section 218.735(8)(d), the CONTRACTOR may submit a pay request to the County as OWNER for up to one half (1/2) of the retainage held by the County as OWNER, and the County as OWNER shall promptly make payment to the CONTRACTOR unless such amounts are the subject of a good faith dispute; the subject of a claim pursuant to Florida Statutes section 255.05(2005); or otherwise the subject of a claim or demand by the County as OWNER or the CONTRACTOR. The CONTRACTOR acknowledges that where such retainage is attributable to the labor, services, or materials supplied by one or more subcontractors or suppliers, the Contractor shall timely remit payment of such retainage to those subcontractors and suppliers. Pursuant to Florida Statutes section 218.735(8)(c)(2005), CONTRACTOR further acknowledges and agrees that: 1) the County as OWNER shall receive immediate written notice of all decisions made by CONTRACTOR to withhold retainage on any subcontractor at greater than five percent (5%) after fifty percent (50%) completion; and 2) CONTRACTOR will not seek release from the County as OWNER of the withheld retainage until the final pay request.

5.03 Paragraphs 5.01 and 5.02 do not apply to construction services work purchased by the County as OWNER which are paid for, in whole or in part, with federal funds and are subject to federal grantor laws and regulations or requirements that are contrary to any provision of the Local Government Prompt Payment Act. In such event, payment and retainage provisions shall be governed by the applicable grant requirements and guidelines.

5.04 *Acceptance of Final Payment as Release.*

- A. The acceptance by the CONTRACTOR of final payment shall be and shall operate as a release to the OWNER from all claims and all liability to the CONTRACTOR other than claims in stated amounts as may be specifically excepted by the CONTRACTOR for all things done or furnished in connection with the work under this Agreement and for every act and neglect of the OWNER and others relating to or arising out of the work. Any payment, however, final or otherwise, shall not release the CONTRACTOR or its sureties from any obligations under this Agreement, the Invitation to Bid or the Public Construction Bond.

**ARTICLE 6 – PUBLIC CONSTRUCTION BOND**

6.01 Within fifteen (15) days of receipt of the Contract Documents for execution, the CONTRACTOR shall furnish a Public Construction Bond in an amount equal to 100% of the Contract Price. If bid does not exceed \$100,000, no Public Construction Bond will be required.

- A. In lieu of the Public Construction Bond, the CONTRACTOR may furnish an alternative form of security in the form of cash, money order, certified check, cashier's check, irrevocable letter of credit or a security as listed in Part II of F.S. Chapter 625. Any such alternative form of security shall be for the same purpose, and be for the same amount and subject to the same conditions as those applicable to the bond otherwise required. The determination of the value of an alternative form of security shall be made by the OWNER.
- B. Such Bond shall continue in effect for one (1) year after acceptance of the Work by the OWNER.
- C. The OWNER shall record the Public Construction Bond with the Public Record Section of the Indian River County Courthouse located at 2000 16th Avenue, Vero Beach, Florida 32960.

#### **ARTICLE 7 - INDEMNIFICATION**

7.01 CONTRACTOR shall indemnify and hold harmless the OWNER, and its commissioners, officers, employees, and agents, from liabilities, damages, losses and costs, including, but not limited to, reasonable attorney's fees, to the extent caused by the negligence, recklessness, or intentional wrongful misconduct of the CONTRACTOR and persons employed or utilized by the CONTRACTOR in the performance of the Work.

#### **ARTICLE 8 - CONTRACTOR'S REPRESENTATIONS**

8.01 In order to induce OWNER to enter into this Agreement CONTRACTOR makes the following representations:

- A. CONTRACTOR has examined and carefully studied the Contract Documents and the other related data identified in the Invitation to Bid documents.
- B. CONTRACTOR has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. CONTRACTOR is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. CONTRACTOR has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by CONTRACTOR, including applying the specific means, methods, techniques, sequences, and procedures of construction, if any, expressly required by the Contract Documents to be employed by CONTRACTOR, and safety precautions and programs incident thereto.
- E. CONTRACTOR does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract Documents.

- F. CONTRACTOR is aware of the general nature of work to be performed by OWNER and others at the Site that relates to the Work as indicated in the Contract Documents.
- G. CONTRACTOR has correlated the information known to CONTRACTOR, information and observations obtained from visits to the Site, reports and drawings identified in the Contract Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.
- H. CONTRACTOR has given OWNER written notice of all conflicts, errors, ambiguities, or discrepancies that CONTRACTOR has discovered in the Contract Documents, and the written resolution thereof by OWNER is acceptable to CONTRACTOR.
- I. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

**ARTICLE 9 - CONTRACT DOCUMENTS**

9.01 *Contents*

A. The Contract Documents consist of the following:

- (1) Invitation to Bid **2020048**;
- (2) CONTRACTOR’S Bid Form (pages **14** to **16**, inclusive);
- (3) Bid Bond (page **17**);
- (4) Drug Free Workplace Form (page **18**);
- (5) Sworn Statement Under Section 105.08, Indian River County Code, on Disclosure of Relationships (pages **19** to **20**, inclusive);
- (6) Bidders Qualifications Questionnaire (pages **21** to **23**, inclusive);
- (7) Sworn Statement Under the Florida Trench Safety Act (pages **24** to **25**, inclusive);
- (8) Certification Regarding Prohibition Against Contracting with Scrutinized Companies (page **26**);
- (9) List of Subcontractors (page **27**);
- (10) List of Drawings
  - US Highway 1 (North)**
  - Existing Conditions & Proposed Sign Location* Sheet C-1 1 sheet
  - Structural (Sign notes, plan & elevations, details)* Sheets S-1, S-2, S-3 3 sheets
  - US Highway 1 (South)**
  - Existing Conditions & Proposed Sign Location* Sheet C-1 1 sheet

<i>Structural (Sign notes, plan &amp; elevations, details) Sheets S-1, S-2, S-3</i>	<i>3 sheets</i>
<b>SR60</b>	
<i>Existing Conditions &amp; Proposed Sign Location Sheet C-1</i>	<i>1 sheet</i>
<i>Structural (Sign notes, plan &amp; elevations, details) Sheets S-1, S-2, S-3</i>	<i>3 sheets</i>
<b>CR512</b>	
<i>Existing Conditions &amp; Proposed Sign Location Sheet C-1</i>	<i>1 sheet</i>
<i>Structural (Sign notes, plan &amp; elevations, details) Sheets S-1, S-2, S-3</i>	<i>3 sheets</i>
Total	16 sheets

- (11) This Agreement (pages **28** to **37**, inclusive);
- (12) Public Construction Bond (if applicable) (pages **38** to **40**, inclusive);
- (13) Certificate of Liability Insurance (page **41**);
- (14) Notice to Proceed (page **42**);
- (15) Addenda (if applicable) \_\_\_\_ to \_\_\_\_;
- (16) The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:
  - a) Written Amendments;
  - b) Work Change Directive(s);
  - c) Change Order(s)

**ARTICLE 10 - MISCELLANEOUS**

10.01 *Terms*

- A. Terms used in this Agreement will have the meanings indicated in the Invitation to Bid.

10.02 *Assignment of Contract*

- A. No assignment by a party hereto of any rights under or interests in the Agreement will be binding on another party hereto without the written consent of the party sought to be bound; and, specifically but without limitation, moneys that may become due and moneys that are due may not be assigned without such consent (except to the extent that the effect of this restriction may be limited by law), and unless specifically stated to the contrary in any written consent to an assignment, no assignment will release or discharge the assignor from any duty or responsibility under the Contract Documents.

10.03 *Successors and Assigns*

- A. OWNER and CONTRACTOR each binds itself, its partners, successors, assigns, and legal representatives to the other party hereto, its partners, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.

10.04 *Severability*

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

10.05 *Venue*

- A. This Agreement shall be governed by the laws of the State of Florida. Venue for any lawsuit brought by either party against the other party or otherwise arising out of this Agreement shall be in Indian River County, Florida, or, in the event of a federal jurisdiction, in the United States District Court for the Southern District of Florida.

10.06 *Public Records Compliance*

- A. Indian River County is a public agency subject to Chapter 119, Florida Statutes. The Contractor shall comply with Florida's Public Records Law. Specifically, the Contractor shall:
  - (1) Keep and maintain public records required by the County to perform the service.
  - (2) Upon request from the County's Custodian of Public Records, provide the County with a copy of the requested records or allow the records to be inspected or copied within a reasonable time at a cost that does not exceed the cost provided in Chapter 119 or as otherwise provided by law.
  - (3) Ensure that public records that are exempt or confidential and exempt from public records disclosure requirements are not disclosed except as authorized by law for the duration of the contract term and following completion of the contract if the contractor does not transfer the records to the County.
  - (4) Upon completion of the contract, transfer, at no cost, to the County all public records in possession of the Contractor or keep and maintain public records required by the County to perform the service. If the Contractor transfers all public records to the County upon completion of the contract, the Contractor shall destroy any duplicate public records that are exempt or confidential and exempt from public records disclosure requirements. If the contractor keeps and maintains public records upon completion of the contract, the Contractor shall meet all applicable requirements for retaining public records. All records stored electronically must be provided to the County, upon request from the Custodian of Public Records, in a format that is compatible with the information technology systems of the County.

**B. IF THE CONTRACTOR HAS QUESTIONS REGARDING THE APPLICATION OF CHAPTER 119, FLORIDA STATUTES, TO THE CONTRACTOR'S DUTY TO PROVIDE PUBLIC RECORDS RELATING TO THIS CONTRACT, CONTACT THE CUSTODIAN OF PUBLIC RECORDS AT:**

**(772) 226-1424**

**[publicrecords@ircgov.com](mailto:publicrecords@ircgov.com)**

**Indian River County Office of the County Attorney**

**1801 27<sup>th</sup> Street**

**Vero Beach, FL 32960**

- C. Failure of the Contractor to comply with these requirements shall be a material breach of this Agreement.

**ARTICLE 11 - TERMINATION OF CONTRACT**

- A. The occurrence of any of the following shall constitute a default by CONTRACTOR and shall provide the OWNER with a right to terminate this Contract in accordance with this Article, in addition to pursuing any other remedies which the OWNER may have under this Contract or under law:
- (1) if in the OWNER's opinion CONTRACTOR is improperly performing work or violating any provision(s) of the Contract Documents;
  - (2) if CONTRACTOR neglects or refuses to correct defective work or replace defective parts or equipment, as directed by the Engineer pursuant to an inspection;
  - (3) if in the OWNER's opinion CONTRACTOR's work is being unnecessarily delayed and will not be finished within the prescribed time;
  - (4) if CONTRACTOR assigns this Contract or any money accruing thereon or approved thereon; or
  - (5) if CONTRACTOR abandons the work, is adjudged bankrupt, or if he makes a general assignment for the benefit of his creditors, or if a trustee or receiver is appointed for CONTRACTOR or for any of his property.
  - (6) if CONTRACTOR fails to pay subcontractors, materialmen and/or suppliers on a timely basis.
- B. OWNER shall, before terminating the Contract for any of the foregoing reasons, notify CONTRACTOR in writing of the grounds for termination and provide CONTRACTOR with ten (10) calendar days to cure the default to the reasonable satisfaction of the OWNER.
- C. If the CONTRACTOR fails to correct or cure within the time provided in the preceding Sub-Article B, OWNER may terminate this Contract by notifying CONTRACTOR in writing. Upon receiving such notification, CONTRACTOR shall immediately cease all work hereunder and shall forfeit any further right to possess or occupy the site or any materials thereon; provided, however, that the OWNER may authorize CONTRACTOR to restore any work sites.
- D. The CONTRACTOR shall be liable for:
- (1) any new cost incurred by the OWNER in soliciting bids or proposals for and letting a new contract;
- and



- (2) the difference between the cost of completing the new contract and the cost of completing this Contract;
- (3) any court costs and attorney's fees associated with any lawsuit undertaken by OWNER to enforce its rights herein.

E. TERMINATION FOR CONVENIENCE: OWNER may at any time and for any reason terminate CONTRACTOR's services and work for OWNER's convenience. Upon receipt of notice of such termination CONTRACTOR shall, unless the notice directs otherwise, immediately discontinue the work and immediately cease ordering of any materials, labor, equipment, facilities, or supplies in connection with the performance of this Contract. Upon such termination Contractor shall be entitled to payment only as follows:

- (1) the actual cost of the work completed in conformity with this Contract and the specifications; plus,
- (2) such other costs actually incurred by CONTRACTOR as are permitted by the prime contract and approved by the OWNER.

Contractor shall not be entitled to any other claim for compensation or damages against the County in the event of such termination.

F. TERMINATION IN REGARDS TO F.S. 287.135: TERMINATION IN REGARDS TO F.S. 287.135: CONTRACTOR certifies that it and those related entities of CONTRACTOR as defined by Florida law are not on the Scrutinized Companies that Boycott Israel List, created pursuant to s. 215.4725 of the Florida Statutes, and are not engaged in a boycott of Israel. In addition, if this agreement is for goods or services of one million dollars or more, CONTRACTOR certifies that it and those related entities of CONTRACTOR as defined by Florida law are not on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, created pursuant to Section 215.473 of the Florida Statutes and are not engaged in business operations in Cuba or Syria.

OWNER may terminate this Contract if CONTRACTOR is found to have submitted a false certification as provided under section 287.135(5), Florida Statutes, been placed on the Scrutinized Companies with Activities in Sudan List or the Scrutinized Companies with Activities in the Iran Petroleum Energy Sector List, or been engaged in business operations in Cuba or Syria, as defined by section 287.135, Florida Statutes.

OWNER may terminate this Contract if CONTRACTOR, including all wholly owned subsidiaries, majority-owned subsidiaries, and parent companies that exist for the purpose of making profit, is found to have been placed on the Scrutinized Companies that Boycott Israel List or is engaged in a boycott of Israel as set forth in section 215.4725, Florida Statutes.

[The remainder of this page was left blank intentionally]

IN WITNESS WHEREOF, OWNER and CONTRACTOR have signed this Agreement in duplicate. One counterpart each has been delivered to OWNER and CONTRACTOR. All portions of the Contract Documents have been signed or identified by OWNER and CONTRACTOR or on their behalf.

This Agreement will be effective on \_\_\_\_\_, 20\_\_ (the date the Agreement is approved by the Indian River County Board of County Commissioners, which is the Effective Date of the Agreement).

**OWNER:**

**CONTRACTOR:**

INDIAN RIVER COUNTY \_\_\_\_\_

\_\_\_\_\_

By: \_\_\_\_\_  
Susan Adams, Chairman

By: \_\_\_\_\_  
(Contractor)

By: \_\_\_\_\_  
Jason E. Brown, County Administrator

(CORPORATE SEAL)

Attest \_\_\_\_\_

APPROVED AS TO FORM AND LEGAL SUFFICIENCY:

By: \_\_\_\_\_  
Dylan Reingold, County Attorney

Address for giving notices:  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Jeffrey R. Smith, Clerk of Court and Comptroller

License No. \_\_\_\_\_  
(Where applicable)

Attest: \_\_\_\_\_  
Deputy Clerk  
(SEAL)

Agent for service of process: \_\_\_\_\_

Designated Representative:  
Name: James W. Ennis, P.E., PMP  
Title: Assistant Public Works Director  
Address: 1801 27<sup>th</sup> Street. Vero Beach, FL 32960  
Phone: (772) 226-1221  
Email: [jennis@ircgov.com](mailto:jennis@ircgov.com)

Designated Representative:  
Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Address: \_\_\_\_\_  
\_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_

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

---

## **PUBLIC CONSTRUCTION BOND**

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### INSTRUCTION FOR PUBLIC CONSTRUCTION BOND

The front or cover page to the required public construction bond shall contain the information required by Fla. Stat. 255.05(1)(a), and be substantially in the format shown on the first page following this instruction.

The Public Construction Bond shall be in the form suggested by Fla. Stat. 255.05(3) as shown on the second page following this instruction.

A Power of Attorney from a surety insurer authorized to do business in Florida, authorizing the signature of the Attorney in Fact who executes the Public Construction Bond shall accompany that Bond.

**Public Work  
F.S. Chapter 255.05 (1)(a)  
Cover Page**

**THIS BOND IS GIVEN TO COMPLY WITH SECTION 255.05 OR SECTION 713.23 FLORIDA STATUTES, AND ANY ACTION INSTITUTED BY A CLAIMANT UNDER THIS BOND FOR PAYMENT MUST BE IN ACCORDANCE WITH THE NOTICE AND TIME LIMITATION PROVISIONS IN SECTION 255.05(2) OR SECTION 713.23 FLORIDA STATUTES.**

**BOND NO:** \_\_\_\_\_

**CONTRACTOR NAME:** \_\_\_\_\_

**CONTRACTOR ADDRESS:** \_\_\_\_\_

\_\_\_\_\_

**CONTRACTOR PHONE NO:** \_\_\_\_\_

**SURETY COMPANY NAME:** \_\_\_\_\_

**SURETY PRINCIPAL**

**BUSINESS ADDRESS:** \_\_\_\_\_

\_\_\_\_\_

**SURETY PHONE NO:** \_\_\_\_\_

**OWNER NAME:** \_\_\_\_\_

**OWNER ADDRESS:** \_\_\_\_\_

\_\_\_\_\_

**OWNER PHONE NO:** \_\_\_\_\_

**OBLIGEE NAME:** \_\_\_\_\_

(If contracting entity is different from the owner, the contracting public entity)

**OBLIGEE ADDRESS:** \_\_\_\_\_

\_\_\_\_\_

**OBLIGEE PHONE NO:** \_\_\_\_\_

**BOND AMOUNT:** \_\_\_\_\_

**CONTRACT NO:** \_\_\_\_\_

(If applicable)

**DESCRIPTION OF WORK:** \_\_\_\_\_

\_\_\_\_\_

**PROJECT LOCATION:** \_\_\_\_\_

\_\_\_\_\_

**LEGAL DESCRIPTION:** \_\_\_\_\_

(If applicable)

FRONT PAGE

All other bond page(s) are deemed subsequent to this page regardless of any page number(s) that may be printed thereon.

# PUBLIC CONSTRUCTION BOND

Bond No. \_\_\_\_\_  
(enter bond number)

BY THIS BOND, We \_\_\_\_\_, as Principal and \_\_\_\_\_, \_\_\_\_\_ a corporation, as Surety, are bound to \_\_\_\_\_, herein called Owner, in the sum of \$ \_\_\_\_\_, for payment of which we bind ourselves, our heirs, personal representatives, successors, and assigns, jointly and severally.

THE CONDITION OF THIS BOND is that if Principal:

1. Performs the contract dated \_\_\_\_\_, \_\_\_\_\_, between Principal and Owner for construction of \_\_\_\_\_, the contract being made a part of this bond by reference, at the times and in the manner prescribed in the contract; and
2. Promptly makes payments to all claimants, as defined in Section 255.05(1), Florida Statutes, supplying Principal with labor, materials, or supplies, used directly or indirectly by Principal in the prosecution of the work provided for in the contract; and
3. Pays Owner all losses, damages, expenses, costs, and attorney's fees, including appellate proceedings, that Owner sustains because of a default by Principal under the contract; and
4. Performs the guarantee of all work and materials furnished under the contract for the time specified in the contract, then this bond is void; otherwise it remains in full force.

Any action instituted by a claimant under this bond for payment must be in accordance with the notice and time limitation provisions in Section 255.05(2), Florida Statutes.

Any changes in or under the contract documents and compliance or noncompliance with any formalities connected with the contract or the changes does not affect Surety's obligation under this bond.

DATED ON \_\_\_\_\_,

\_\_\_\_\_  
(Name of Principal)

By \_\_\_\_\_  
(As Attorney in Fact)

\_\_\_\_\_  
(Name of Surety)

## SAMPLE CERTIFICATE OF LIABILITY INSURANCE

<b>CERTIFICATE OF LIABILITY INSURANCE</b>	
<b>PRODUCER</b>	THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.
	COMPANIES AFFORDING COVERAGE
<b>INSURED</b>	COMPANY A -
	COMPANY B -
	COMPANY C -
	COMPANY D -
	COMPANY E -

**COVERAGES**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED NOTWITHSTANDING ANY REQUIREMENT TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN THE INSURANCE ACCORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INS R LTR	TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/D/YY)	LIMITS	
A	GENERAL LIABILITY <input type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE - <input type="checkbox"/> OCCUR <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>				EACH OCCURRENCE	\$ 1,000,000
					FIRE DAMAGE (Any One Fire)	\$ 50,000
					MED. EXP. (Any One Person)	\$ 5,000
					PERSONAL & ADV INJURY	\$ 1,000,000
					GENERAL AGGREGATE	\$ 1,000,000
					PRODUCTS – COMP/OP AGG.	\$ 1,000,000
						\$
A	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> <input type="checkbox"/>				COMBINED SINGLE LIMIT (Ea. Occurrence)	\$ 1,000,000
					BODILY INJURY (Per Person)	\$
					BODILY INJURY (Per Accident)	\$
					PROPERTY DAMAGE	\$
	GARAGE LIABILITY <input type="checkbox"/> <input type="checkbox"/>				AUTO ONLY – EA ACCIDENT	\$
					OTHER THAN EA ACC	\$
					AUTO ONLY AGG	\$
A	EXCESS LIABILITY <input type="checkbox"/> CLAIMS MADE <input type="checkbox"/> DEDUCTIBLE <input type="checkbox"/> RETENTION \$				EACH OCCURRENCE	\$
						\$
					AGGREGATE	\$
						\$
A	WORKER'S COMPENSATION AND EMPLOYER'S LIABILITY  THE PROPRIETOR/PARTNERS/ EXECUTIVE OFFICERS ARE: <input type="checkbox"/> INCL <input type="checkbox"/> EXCL OTHER: <input type="checkbox"/> BUILDER'S RISK				<input type="checkbox"/> WC STATUTORY LIMITS	\$
					E.L. EACH ACCIDENT	\$ 100,000
					E.L. DISEASE – EA	\$ 500,000
					E.L. DISEASE-POLICY LIMIT	\$ 100,000
				FULL REPLACEMENT COST OF THE WORK	\$	

DESCRIPTION OF OPERATIONS/LOCATIONS VEHICLES/SPECIAL ITEMS

CERTIFICATE HOLDER	ADDITIONAL INSURED; INSURER LETTER:	CANCELLATION
ADDITIONAL INSURED: INDIAN RIVER COUNTY 1801 27 <sup>TH</sup> STREET, VEROBEACH, FL 32960-3388		SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT. FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.
		AUTHORIZED REPRESENTATIVE

**NOTICE TO PROCEED**

Dated \_\_\_\_\_

TO:

\_\_\_\_\_  
(BIDDER)

ADDRESS:

\_\_\_\_\_  
\_\_\_\_\_

Contract For:

**INDIAN RIVER COUNTY WELCOME SIGNS**

\_\_\_\_\_  
(Insert name of Contract as it appears in the Contract Documents)

Project No: **IRC-1816**

IRC Bid No. **2020048**

You are notified that the Contract Times under the above contract will commence to run on \_\_\_\_\_. By that date, you are to start performing your obligations under the Contract Documents. The contract has allocated **90** calendar days for Substantial Completion of this project and **120** calendar days for Final Completion. In accordance with Article 3.2 of the Agreement the date of Substantial Completion is \_\_\_\_\_ and the date of readiness for final payment is \_\_\_\_\_.

**CONTRACTOR shall not commence work under this Contract until he has obtained all insurance required under "Instructions to Bidder, General Terms and Conditions" and such insurance has been delivered to the OWNER and approved by the OWNER, nor shall the CONTRACTOR allow any Subcontractor to commence work on his subcontract until all similar insurance required of the Subcontractor has been so obtained and approved. All such insurance shall remain in effect until final payment and at all times thereafter when CONTRACTOR may be correcting, removing or replacing defective Work in accordance with Article 6 of the Agreement.**

Also, before you may start any Work at the Site, you must:  
(add other requirements, if applicable)

\_\_\_\_\_  
\_\_\_\_\_

INDIAN RIVER COUNTY  
\_\_\_\_\_  
(Owner)

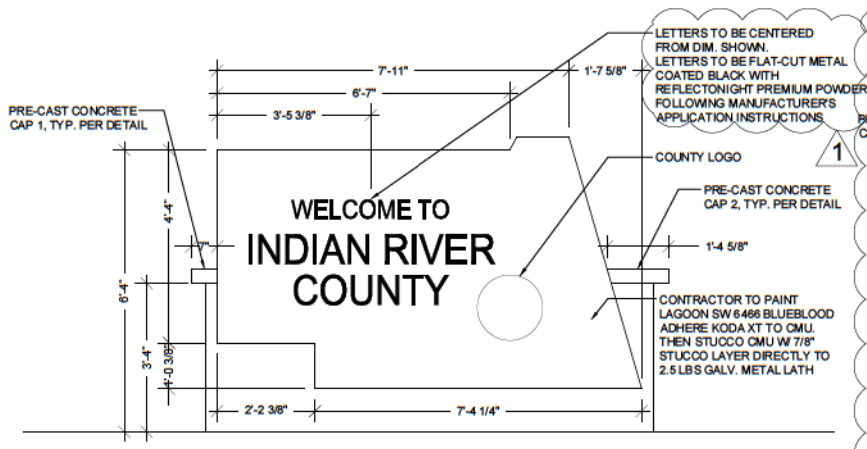
\_\_\_\_\_  
(Authorized Signature)

\_\_\_\_\_  
(Title)



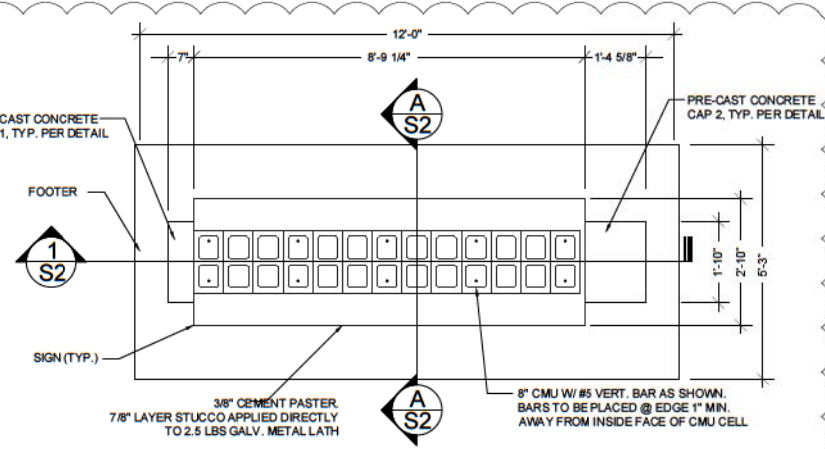






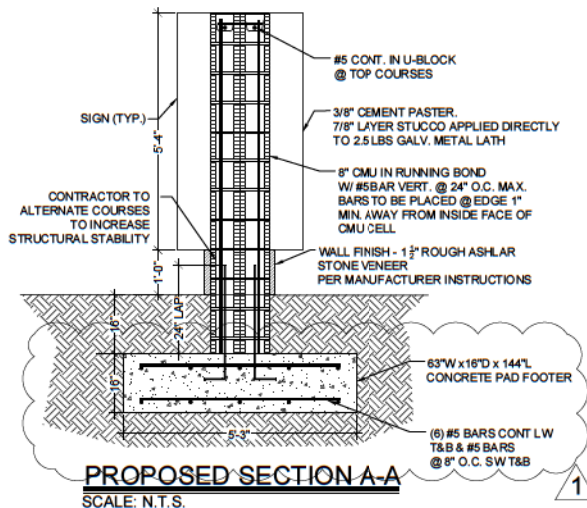
**ELEVATION VIEW**

SCALE 3/8"=1'



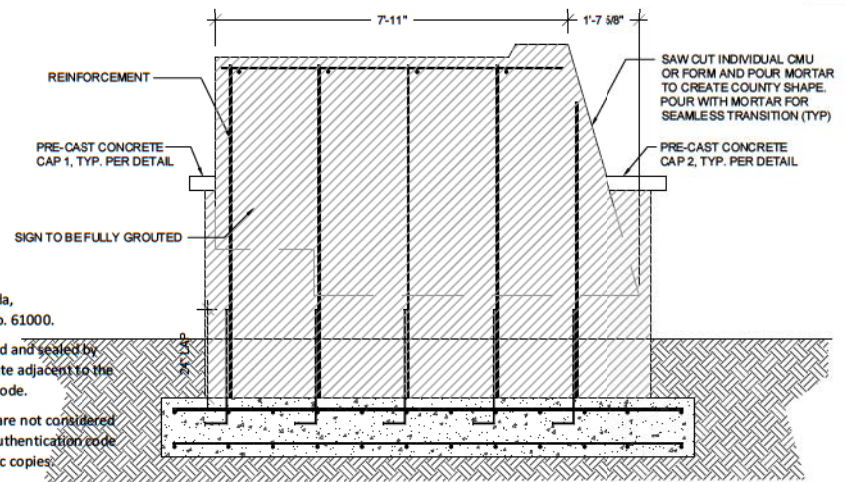
**PROPOSED PLAN VIEW**

SCALE 3/8"=1'



**PROPOSED SECTION A-A**

SCALE: N.T.S.



**REINFORCEMENT ELEVATION**

SCALE 3/8"=1'

Rodolfo Villamizar, State of Florida, Professional Engineer, License No. 61000.

This item has been digitally signed and sealed by Rodolfo Villamizar, P.E. on the date adjacent to the seal using a SHA authentication code.

Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies.

REV. NO.	DATE	DESCRIPTION
1	05/13/20	ISSUED FOR PERMIT

DESIGNED BY	DATE	SCALE
DRAWN BY	DATE	
CHECKED BY	DATE	
IN CHARGE	DATE	

PROJECT NO.	18-0296
DATE	05/12/2020
SHEET	S2
OF	3
DATE	18-0296

18-0296	AC	APR 2020	RV	AS NOTED
183 S. 20TH STREET	18-0296	APR 2020	RV	AS NOTED
MIAMI, FL 33136	PH (772) 543-8037	APR 2020	RV	AS NOTED
MIAMI, FL 33136	PH (772) 778-3417	APR 2020	RV	AS NOTED
MIAMI, FL 33136	PH (772) 778-3417	APR 2020	RV	AS NOTED
MIAMI, FL 33136	PH (772) 778-3417	APR 2020	RV	AS NOTED

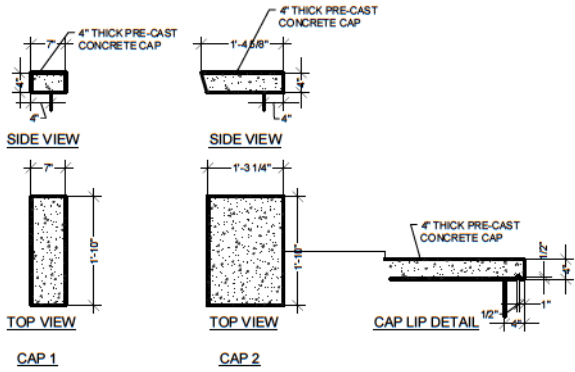
<b>EMBV</b>	ENGINEERING, INC.
CONSULTING ENGINEERING	CA 97728

INDIAN RIVER COUNTY	PROPOSED PLAN
WELCOME SIGNS	VIEW, ELEVATION,
US 1 MEDIAN SOUTH OF THE ST.	AND SECTIONS
SEBASTIAN RIVER BRIDGE	
INDIAN RIVER COUNTY	FLORIDA

RODOLFO VILLAMIZAR	FL P.E. #61000
DATE	05/12/2020



**PRE-CAST CONCRETE CAP DETAILS**

SCALE: N.T.S.

Rodolfo Villamizar, State of Florida,  
Professional Engineer, License No. 61000.

This item has been digitally signed and sealed by  
Rodolfo Villamizar, P.E. on the date adjacent to the  
seal using a SHA authentication code.

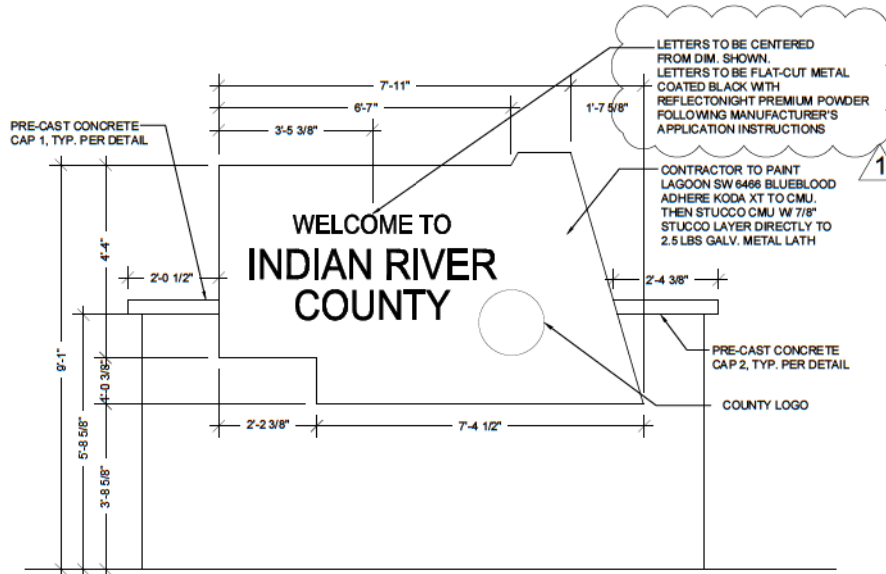
Printed copies of this document are not considered  
signed and sealed and the SHA authentication code  
must be verified on any electronic copies.

REVISIONS NO. PER FOOT DATE	
1	5/13/20
2	
3	
4	
5	
6	
7	
NEW NO. 18-0036 ASSIGNED AC DRAWN AER DATE APR 2020 CHECKED RV DATE ISSUED 4/13/20 SCALE 7/8 NOTED	
1835 20TH STREET WILMINGTON, NC 28403-6000 PH (773) 543-8007 FX (773) 778-3417 WILMINGTON, NC 28403-6000 FT. WILDER, NC 27724-8655	
<b>EMBV</b> <b>ENGINEERING, INC.</b> CONSULTING ENGINEERING CA 97728	
STRUCTURAL DETAILS	
INDIAN RIVER COUNTY WELCOME SIGNS US 1 MEDIAN SOUTH OF THE ST. SEBASTIAN RIVER BRIDGE INDIAN RIVER COUNTY FLORIDA	
RODOLFO VILLAMIZAR FL P.E. #61000 DATE: 05-12-2020	
SHEET <b>03</b> OF 3 18-0036	

PERMIT SET



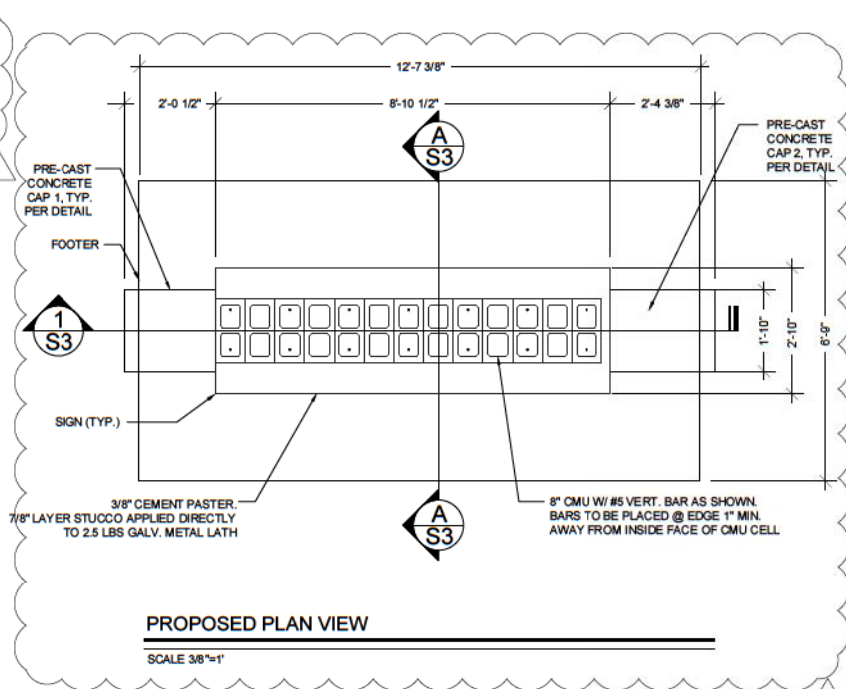




NOTE: SIGN LOCATION PER CIVIL PLANS.

**ELEVATION VIEW**

SCALE 3/8"=1'



**PROPOSED PLAN VIEW**

SCALE 3/8"=1'

Rodolfo Villamizar, State of Florida,  
Professional Engineer, License No. 61000.

This item has been digitally signed and sealed by  
Rodolfo Villamizar, P.E. on the date adjacent to the  
seal using a SHA authentication code.

Printed copies of this document are not considered  
signed and sealed and the SHA authentication code  
must be verified on any electronic copies.

REV NO.	15-0036	DATE	5/13/20
ASSIGNED	AC	PER FOOT	
DRAWN	AER		
DATE	APR 2020		
CHECKED	RV		
DATE ASSIGNED	5/13/20		
SCALE	AS NOTED		

1835 - 20TH STREET  
WILMINGTON, NC 28403-6046  
PH (773) 543-8037  
FX (773) 778-3417  
MEMPHIS, TN 38103-1510  
FT. WHEELER, TN 37724-8655

**EMBV**  
**ENGINEERING, INC.**  
CONSULTING ENGINEERING - CA 0728

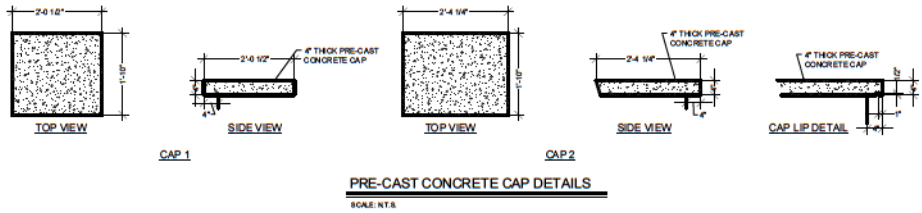
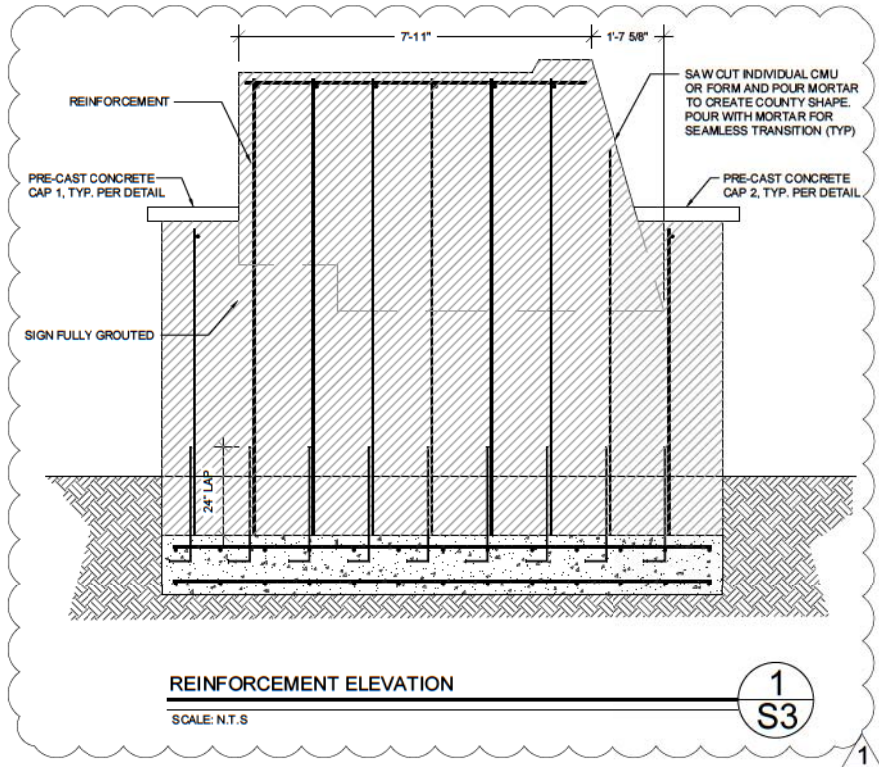
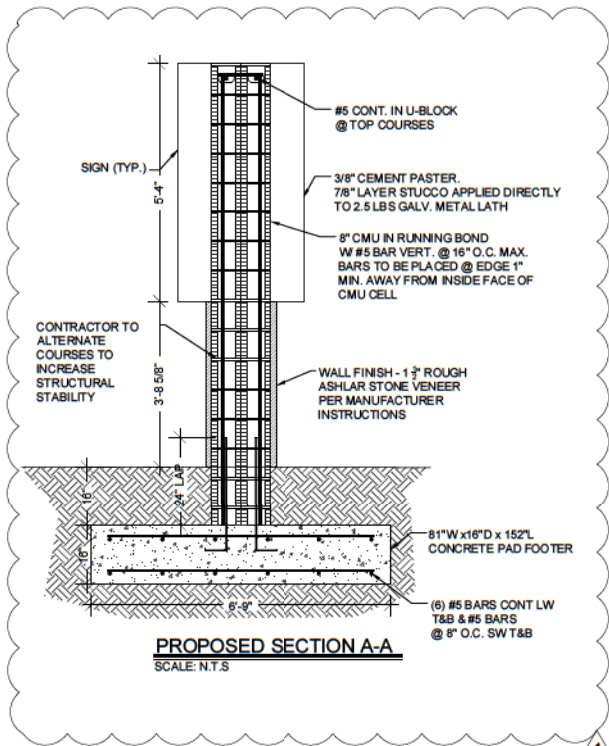
PROPOSED  
PLAN VIEW, AND  
ELEVATION

INDIAN RIVER COUNTY  
WELCOME SIGNS  
ON SR 80 EAST OF  
90TH AVENUE  
INDIAN RIVER COUNTY, FLORIDA

RODOLFO VILLAMIZAR  
FL P.E. #61000

DATE: 05-15-2020

SHEET  
**S2**  
OF 3  
18-0296

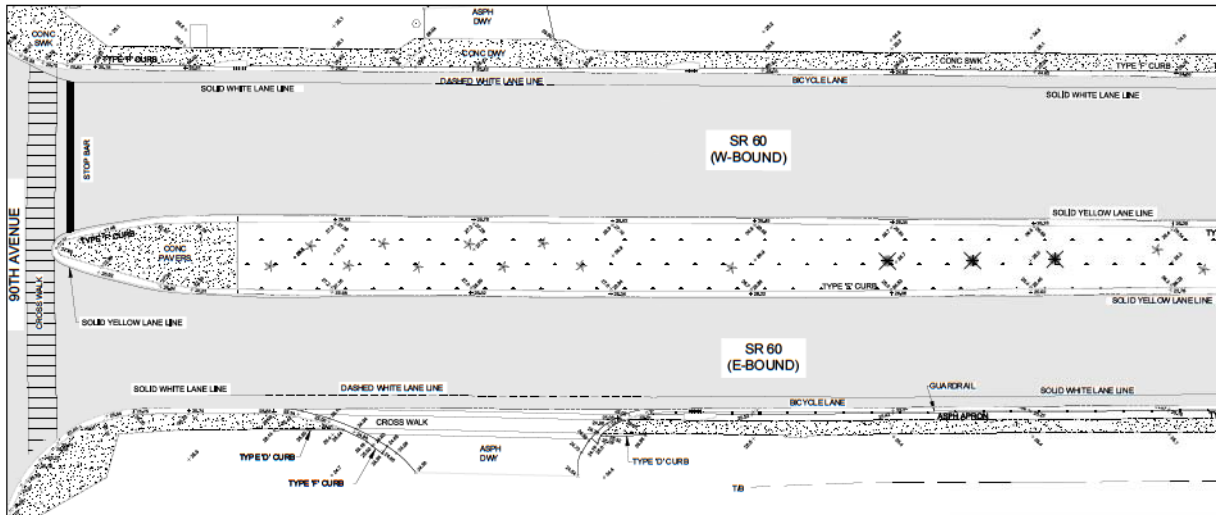


Rodolfo Villamizar, State of Florida,  
Professional Engineer, License No. 61000.

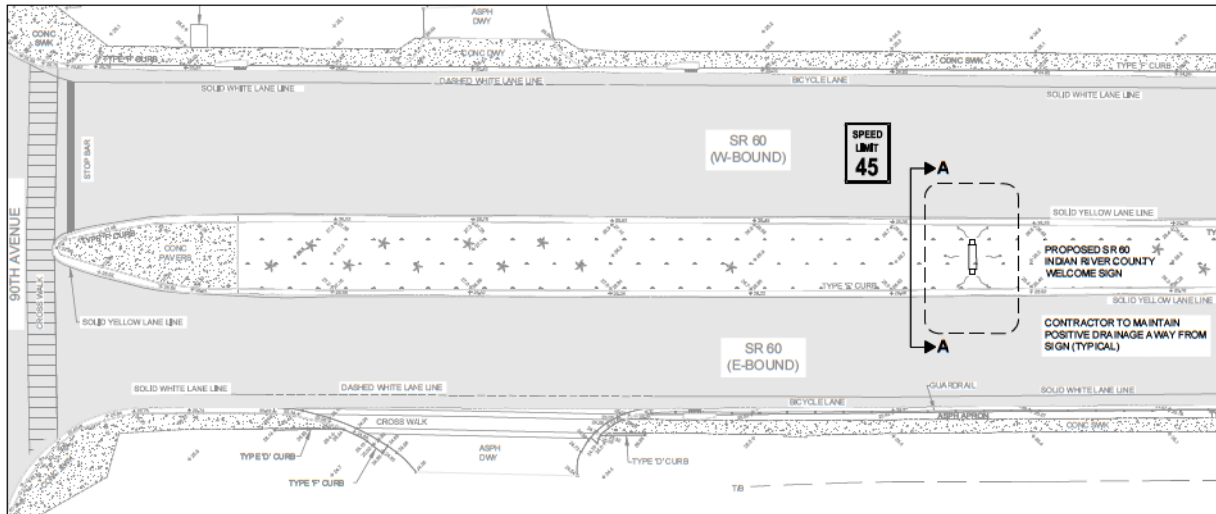
This item has been digitally signed and sealed by  
Rodolfo Villamizar, P.E. on the date adjacent to the  
seal using a SHA authentication code.

Printed copies of this document are not considered  
signed and sealed and the SHA authentication code  
must be verified on any electronic copies.

REVISIONS NO.   DATE 1   5/13/20 2   PER FOOT	JOB NO. 18-0296 ASSIGNED AC DRAWN AER DATE AFR 2020 CHECKED RV DATE ISSUED SCALE 3/8"=1'-0"
1833 S. 20TH STREET WILMINGTON, NC 28403 PH (773) 543-8037 FX (773) 778-3417 MEMPHIS, TN 38103 US FT. WILDER, TN 37754 US	<b>EMBV</b> <b>ENGINEERING, INC.</b> CONSULTING ENGINEERING
SECTIONS, & STRUCTURAL DETAILS	INDIAN RIVER COUNTY WELCOME SIGNS ON SR 80 EAST OF 90TH AVENUE INDIAN RIVER COUNTY, FLORIDA
RODOLFO VILLAMIZAR FL P.E. #61000	DATE: 05-15-2020 SHEET <b>S3</b> OF 3 18-0296



**SR 60 Median East of 90th Avenue  
Existing Conditions And Demolition Plan**  
SCALE: NTS



**SR 60 Median East of 90th Avenue  
Welcome Sign Location Plan**  
SCALE: NTS



**Location Map**  
SCALE: NTS

**Tree Legend**

- EXISTING PALM
- EXISTING PINE TO BE REMOVED

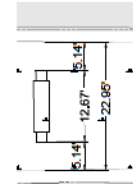
**Site Information**

**SITE ADDRESS**  
MEDIAN AT SR 60 EAST OF 90TH AVENUE  
VERO BEACH, FLORIDA 32906

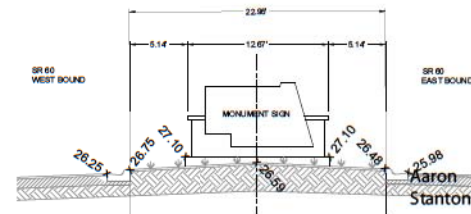
**ENGINEER / APPLICANT**  
MBV ENGINEERING, INC.  
1830 20TH STREET  
VERO BEACH, FLORIDA 32906  
PHONE (772) 969-6006

**OWNER**  
INDIAN RIVER COUNTY  
1801 27TH STREET  
VERO BEACH, FLORIDA 32906

**PROJECT DESCRIPTION**  
THIS PROJECT PROPOSES TO CONSTRUCT AN INDIAN RIVER COUNTY WELCOME MONUMENT SIGN LOCATED IN THE MEDIAN OF SR 60 EAST OF 90TH AVENUE.



**Area Of Detail 'A' - 'A'**  
SCALE: NTS



**Elevation 'A' - 'A'**  
SCALE: NTS

**NOTE: MONUMENT SIGN LETTERING  
TO BE RETRO-REFLECTIVE**

NO.	DATE	REVISIONS
1	03-23-20	

DATE	BY	CHKD	DATE
MARCH 09/19			
MARCH 09/19			

**MBV ENGINEERING, INC.**  
 1830 20TH STREET  
 VERO BEACH, FLORIDA 32906  
 PHONE (772) 969-6006  
 FAX (772) 969-6007  
 WWW.MBVENGINEERING.COM

EXISTING CONDITIONS AND  
PROPOSED SIGN LOCATION PLAN

INDIAN RIVER COUNTY  
SR 60 EAST OF 90TH AVENUE  
MEDIAN WELCOME SIGN

AARON S. STANTON  
 LICENSE No. 72460  
 Digitally signed by Aaron Stanton  
 DN: cn=Aaron Stanton, o=MBV Engineering, Inc., ou=MBV Engineering, Inc., email=aaron@mbveng.com, c=US

AARON S. STANTON  
 CLERK OF RECORD  
 SHEET  
**C-1**  
 OF 1  
 18-0266



**STRUCTURAL-GENERAL NOTES**

**DESIGN CRITERIA AND LOADS:**

- 1. WIND DESIGN:  
WIND SPEED (MPH)  
RISK CATEGORY  
EXPOSURE CATEGORY  
CLASSIFICATION  
INTERNAL PRESSURE COEFFICIENT  
TOPOGRAPHIC FACTOR



**GENERAL REQUIREMENTS**

1. PLAN AND DETAIL NOTES AND SPECIFIC LOADING DATA PROVIDED ON INDIVIDUAL PLANS AND DETAIL DRAWINGS SUPPLEMENTS INFORMATION IN THE STRUCTURAL GENERAL NOTES.
2. THE DESIGN AND CONSTRUCTION OF THIS PROJECT IS GOVERNED BY THE "FLORIDA BUILDING CODE (FBC)", SIXTH EDITION, HEREAFTER REFERRED TO AS THE FBC, AS ADOPTED AND MODIFIED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.).
3. WHERE OTHER STANDARDS ARE NOTED IN THE DRAWINGS, USE THE LATEST EDITION OF THE STANDARD UNLESS A SPECIFIC DATE IS INDICATED. REFERENCE TO A SPECIFIC SECTION IN A CODE DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE ENTIRE STANDARD.
4. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING DETAILS AND ACCURACY OF THE WORK WITH ENGINEER(S) AND OTHER TRADES; FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; FOR SELECTING FABRICATION PROCESSES; FOR TECHNIQUES OF ASSEMBLY; AND FOR PERFORMING WORK IN A SAFE AND SECURE MANNER.
5. IN CASE OF DISCREPANCIES BETWEEN THE GENERAL NOTES, SPECIFICATIONS PLANDetails, REFERENCE STANDARDS, THE ENGINEER SHALL DETERMINE WHICH SHALL GOVERN. SHOULD ANY DISCREPANCY BE FOUND IN THE CONTRACT DOCUMENTS, THE CONTRACTOR WILL BE DEEMED TO HAVE INCLUDED IN THE PRICE THE MOST EXPENSIVE WAY OF COMPLETING THE WORK, UNLESS PRIOR TO THE SUBMISSION OF THE PRICE, THE CONTRACTOR ASKS FOR A DECISION FROM THE ENGINEER AS TO WHICH SHALL GOVERN. ACCORDINGLY, ANY CONFLICT IN OR BETWEEN THE CONTRACT DOCUMENTS SHALL NOT BE A BASIS FOR ADJUSTMENT IN THE CONTRACT PRICE.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE MEANS AND METHODS OF CONSTRUCTION AND ALL JOB RELATED SAFETY STANDARDS SUCH AS OSHA AND DOSH (DEPARTMENT OF OCCUPATIONAL SAFETY AND HEALTH).
7. ALTERNATE PRODUCTS OF SIMILAR STRENGTH, NATURE AND FORM FOR SPECIFIED ITEMS MAY BE SUBMITTED WITH ADEQUATE TECHNICAL DOCUMENTATION TO THE ENGINEER FOR REVIEW. ALTERNATE MATERIALS THAT ARE SUBMITTED WITHOUT ADEQUATE TECHNICAL DOCUMENTATION THAT SIGNIFICANTLY DEVIATE FROM THE DESIGN INTENT OF MATERIALS SPECIFIED MAY BE RETURNED WITHOUT REVIEW. ALTERNATES THAT REQUIRE SUBSTANTIAL EFFORT TO REVIEW WILL NOT BE REVIEWED UNLESS AUTHORIZED BY THE OWNER.
8. ALL BUILDING SITES SHALL BE GRADED TO PROVIDE DRAINAGE UNDER ALL PORTIONS OF THE BUILDING AND AROUND THE BUILDING PERIMETER TO ALLOW DRAINAGE AWAY FROM THE STRUCTURE.
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11. THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL ADJACENT UNDERGROUND UTILITIES PRIOR TO EARTHWORK, FOUNDATIONS, SHORING, AND EXCAVATION. ANY UTILITY INFORMATION SHOWN ON THE DRAWINGS AND DETAILS IS APPROXIMATE AND NOT NECESSARILY COMPLETE.
12. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT THE SITE. CONFLICTS BETWEEN THE DRAWINGS AND ACTUAL SITE CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER IN WRITING BEFORE PROCEEDING WITH THE WORK.

**STRUCTURAL CERTIFICATION**

1. I CERTIFY THAT THE PLANS AND SPECIFICATIONS COMPLY WITH THE STRUCTURAL PORTION OF THE FLORIDA BUILDING CODE SIXTH EDITION.
2. I ALSO CERTIFY THAT STRUCTURAL ELEMENTS DEPICTED ON THESE PLANS PROVIDE ADEQUATE RESISTANCE TO THE WIND LOADS SPECIFIED IN SECTION 1609 IN THE FBC.

**FOUNDATION**

1. FOUNDATION IS DESIGNED BASED ON PRESUMPTIVE SAFE ALLOWABLE BEARING PRESSURE OF 1,500 PSF. CONTRACTOR SHALL VERIFY THAT THE MINIMUM BEARING PRESSURE IS OBTAINED PRIOR TO FOOTING PLACEMENT.
2. THE ENGINEER ASSUMES NO RESPONSIBILITY FOR ANY INTERPRETATION THAT THE SUBSURFACE CONDITIONS DESCRIBED IN THE TEST BORING LOGS OCCUR CONSISTENTLY THROUGHOUT THE JOB SITE. TEST BORINGS ARE INCLUDED ONLY TO ASSIST THE CONTRACTOR DURING BIDDING AND SUBSEQUENT CONSTRUCTION AND REPRESENT SOIL CONDITIONS ONLY AT THE SPECIFIC LOCATIONS AND AT THE PARTICULAR TIMES THEY WERE TAKEN.

**REINFORCED FOUNDATION REQUIREMENTS USED IN THE DESIGN:**

- a. MINIMUM DEPTH BELOW FINISHED GRADE.....1'-4"
- b. MAXIMUM ALLOWABLE BEARING CAPACITY.....1,500 PSF
- c. MODULUS OF SUBGRADE REACTION.....200 PCI
- d. PASSIVE LATERAL PRESSURE.....250 PSF
- e. ACTIVE LATERAL PRESSURE (UNRESTRAINED).....55 PSF
- f. ACTIVE LATERAL PRESSURE (RESTRAINED).....35 PSF
- g. COEFFICIENT OF SLIDING FRICTION.....0.4

4. ALL FOUNDATION CONCRETE SHALL BE CAST IN THE DRY DEWATERING OPERATION SHALL BE DONE IN SUCH A WAY THAT GROUND WATER LEVELS OUTSIDE THE SITE WILL BE MAINTAINED TO AVOID SETTLEMENT AND DAMAGE TO NEARBY BUILDINGS AND STRUCTURES.

5. THE CONCRETE STRENGTHS SHOWN IN THE FOLLOWING TABLE ARE THE MINIMUM COMPRESSIVE STRENGTHS AT 28 DAYS AND THE WATER/CEMENT RATIO IS THE MAXIMUM. THE SPECIFIED SLUMP IS THE MAXIMUM PRIOR TO THE ADDITION OF ADMIXTURES. CONCRETE SHALL BE STANDARD WEIGHT CONCRETE (145 PCF).

ITEM OF CONSTRUCTION	STRENGTH (PSI)	AGG (IN)	SLUMP (IN)	WATER/CEMENT (L/B/A/B)
FOUNDATION PADS	3,000	3/4	4-6	0.50

6. REMOVE AND REPLACE MINIMUM 1 FEET OF EXISTING SOIL BELOW FOUNDATION WITH COMPACTED, MOISTURE-TREATED, NON-EXPANSIVE FILL MATERIAL PLACED IN CONTROLLED LIFTS NOT TO EXCEED 12 INCHES AND SHALL BE COMPACTED TO AT LEAST 95% OF LABORATORY MAXIMUM DENSITY (ASTM D 1557). FILL AREA SHALL EXTEND 1 FOOT BEYOND FOUNDATION FOOTPRINT.
7. FOR SITE PREPARATION, REMOVE DELETERIOUS MATERIAL SUCH AS VEGETATION, ORGANIC SOILS AND ROOT ZONES, EXISTING FILL, OR LOOSE, SOFT FROZEN, OR OTHERWISE UNSUITABLE MATERIALS FROM BELOW THE PROPOSED FOUNDATION AREAS.
8. SUBGRADE SHALL BE UNIFORM OVER THE ENTIRE FOUNDATION AREA.
9. FOUNDATIONS SHALL BEAR ON EITHER COMPETENT NATIVE SOIL OR COMPACTED STRUCTURAL FILL AS PER THE GEOTECHNICAL REPORT.
10. TOPS OF FOOTINGS SHALL BE AS SHOWN ON PLANS WITH VERTICAL CHANGES AS INDICATED WITH STEPS IN THE FOOTINGS; LOCATIONS OF STEPS SHOWN AS APPROXIMATE AND SHALL BE COORDINATED WITH THE CIVIL DRAWING PLANS.
11. CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS:
  - a. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
  - b. EXPOSED TO EARTH OR WEATHER:
    - NO. 5 AND SMALLER BARS 1 1/2"
    - NO. 6 AND LARGER BARS 2"
14. AREA DRAINAGE SHALL BE DIRECTED AWAY FROM THE FOUNDATION.
15. GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SHORING, SHEETING AND BRACING OF EXCAVATIONS.

**CONCRETE MASONRY**

1. CONCRETE MASONRY WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE REQUIREMENTS FOR MASONRY, AND REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES ACI 530 / ASCE 6 (LATEST EDITION).
2. MOISTURE CONTENT OF BLOCKS SHALL NOT EXCEED 35% OF TOTAL ABSORPTION AT THE TIME OF PLACEMENT. MAXIMUM LINEAR SHRINKAGE FOR BLOCK UNITS USED FOR EXTERIOR WALL SHALL NOT EXCEED .04%.
3. BLOCK UNITS SHALL CONFORM TO FLORIDA CONCRETE AND PRODUCTS ASSOCIATION SPECIFICATION "CM-1".
4. CONCRETE MASONRY UNITS SHALL BE IN CONFORMANCE WITH ASTM C 90, GRADE N, TYPE II. MASONRY UNITS SHALL BE TESTED IN ACCORDANCE WITH ASTM C 140 AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI MINIMUM BASED ON THE NET CROSS SECTIONAL AREA.
5. USE ALL GROUT CONFORMING TO ASTM C 476 WITH A MIN. COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS. TESTED IN ACCORDANCE WITH ASTM C 39, COARSE TYPE WITH MAX. AGGREGATE SIZE OF 3/8" AND SLUMP OF 4" TO 11". TEST SAMPLES FOR COMPRESSIVE STRENGTH EVERY 30 YARDS OR EA DAY OF GROUTING. 2,800 PSI PUMP MIX READY MIX CONCRETE MADE WITH MAX. 3/8" AGGREGATE AND MAX. 9" SLUMP IS ACCEPTED ALTERNATE. NO ADMIXTURES WILL BE PERMITTED IN MORTAR.
6. GROUT FOR POURING SHALL BE A FLUID CONSISTENCY.
7. USE TYPE "M" MORTAR IN CONFORMANCE WITH ASTM C 270, AND ASTM C 780, TYPES (DO NOT USE MASONRY CEMENT). MORTAR SHALL BE FRESHLY PREPARED AND UNIFORMLY MIXED.
8. REMOVE MORTAR PROTRUDING INTO CELL CAVITIES THAT ARE TO BE REINFORCED AND GROUTED. ALLOW A MIN. OF 24 HOURS FOR MORTAR TO CURE BEFORE PLACING GROUT.
9. REINFORCING STEEL SHALL CONFORM TO ASTM A 615 GRADE 60, F<sub>y</sub> = 60,000 PSI. ALL SPLICES (LAPS) AND CORNER BARS SHALL BE MINIMUM 30 INCHES OR AS SHOWN ON DRAWINGS.
10. DO NOT STACK MASONRY UNITS MORE THAN 2'-8" HIGH AND IN PALLETS OF 4'x4' MAXIMUM SURFACE AREA AND NO LESS THAN 8 FT. AWAY FROM EACH OTHER.
11. ALL UNITS TO BE LAID UP IN RUNNING BOND WITH CONCAVE COMPRESSED JOINTS UNLESS NOTED OTHERWISE.

12. HEAD AND BED JOINTS SHALL BE 3/8" THICK EXCEPT STARTING JOINT AT FOUNDATION WHICH SHALL BE 1/4" MINIMUM AND 3/4" MAXIMUM. ALL UNITS SHALL BE LAID WITH FULL MORTAR COVERAGE OF THE FACE SHELLS IN BOTH HORIZONTAL AND VERTICAL OR TRUSS.
13. PROVIDE 9 GAGE LADDER TYPE CONT. GALVANIZED HORIZONTAL JOINT REINFORCING (CUR O WALL OR ENGINEER APPROVED SUBSTITUTION) AT ALTERNATE BLOCK COURSES (16" VERTICALLY) WITH MIN. 6" LAP SPLICE.
14. WHERE VERTICAL REINFORCEMENT IS REQUIRED PROVIDE ONE PIECE, NO SPLICES, CENTERED IN THE WALL UNLESS SPECIFICALLY DETAILED. OTHERWISE PROVIDE VERTICAL SUPPORT SPACERS AT 200 REINFORCEMENT DIAMETERS MAXIMUM BUT NOT EXCEEDING 10 FEET. THE CONTRACTOR HAS THE OPTION TO USE ADDITIONAL LAP SPLICES FOR THE PLACEMENT OF THE VERTICAL REINFORCING.
15. ALL REINFORCED HOLLOW UNIT MASONRY SHALL BE BUILT TO PRESERVE THE UNOBSTRUCTED VERTICAL CONTINUITY OF THE CELLS TO BE FILLED. WALLS AND CROSS WEBS FORMING SUCH CELLS TO BE FILLED SHALL BE FULL-BEDDED IN MORTAR TO PREVENT LEAKAGE OF GROUT. ALL HEAD (OR END) JOINTS SHALL BE SOLIDLY FILLED WITH MORTAR FOR A DISTANCE IN FROM THE FACE OF THE WALL OR UNIT NOT LESS THAN THE THICKNESS OF THE LONGITUDINAL FACE SHELLS. BOND SHALL BE PROVIDED BY LAPPING UNITS IN SUCCESSIVE VERTICAL COURSES OR BY EQUIVALENT MECHANICAL ANCHORAGE.
16. VERTICAL CELLS TO BE FILLED SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR, UNOBSTRUCTED, CONTINUOUS VERTICAL CELL MEASURING NOT LESS THAN 3" AND HAVING A CLEAR AREA OF 10 SQUARE INCHES.
17. REINFORCING BARS REQUIRE A MINIMUM CLEAR DISTANCE OF 1/4" FOR FINE GROUT OR 1/2" FOR COURSE GROUT BETWEEN ANY MASONRY FACE. A MINIMUM 2" COVER FROM THE EXTERIOR FACE OF THE BLOCK TO THE REINFORCING INCLUDING GROUT SHALL ALSO BE OBSERVED.
18. FOR REINFORCING CONGESTION KNOCK OUT BLOCKS TO BE USED TO FACILITATE CONSTRUCTION.
19. ALL CELLS CONTAINING REINFORCING OR EMBEDDED ITEMS SHALL BE SOLID GROUTED.
20. CLEANOUT OPENINGS SHALL BE PROVIDED AT THE BOTTOM OF ALL CELLS TO BE FILLED IN EACH POUR OF GROUT WHERE SUCH GROUT POUR IS IN EXCESS OF 4 FEET IN HEIGHT. ANY OVERHANGING MORTAR OR OTHER OBSTRUCTION OR DEBRIS SHALL BE REMOVED FROM THE INSIDES OF SUCH CELL WALLS. THE CLEANOUTS SHALL BE SEALED BEFORE GROUTING, AFTER INSPECTION.
21. GROUT SHALL BE A CONTINUOUS OPERATION POURED IN LIFTS OF 8 FEET MAXIMUM HEIGHT. ALL GROUT SHALL BE CONSOLIDATED AT TIME OF POURING BY PUDDLING OR VIBRATION AND THEN RECONSOLIDATED AGAIN BY PUDDLING LATER, BEFORE PLASTICITY IS LOST.
22. WHEN THE GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE POUR OF GROUT NOT LESS THAN 1/2 INCH BELOW THE TOP OF THE UPPERMOST UNIT GROUTED.
23. UNITS WHICH ARE DISTURBED AFTER INITIAL BOND IS A CHEIVED MUST BE REMOVED AND RELAID WITH FRESH MORTAR TO ENSURE ADEQUATE BOND STRENGTH AND MINIMIZE THE LIKELIHOOD OF WATER PENETRATION INTO AN UNBONDED JOINT.
24. FOR SPECIAL INSPECTIONS THE ENGINEER SHALL BE GIVEN A MINIMUM 72 HOURS NOTICE PRIOR TO EACH REINFORCED BLOCK GROUTING OR CONCRETING OPERATION.

Rodolfo Villamizar, State of Florida,  
Professional Engineer, License No. 61000.

This item has been digitally signed and sealed by  
Rodolfo Villamizar, P.E. on the date adjacent to the  
seal using a SHA authentication code.

Printed copies of this document are not considered  
signed and sealed and the SHA authentication code  
must be verified on any electronic copies.

Digitally signed  
by Rodolfo  
Villamizar  
Date: 2020.05.15  
15:10:26 -04'00'

REVISIONS	DATE

JOB NO.	DATE	SCALE	AS NOTED

1835 - 20TH STREET  
VERO BEACH, FL 32960  
TEL: (772) 778-3417  
FAX: (772) 778-3417  
FEDORINE, R. PH. (E) 335.1510  
R. VILLAMIZAR, P.E. (E) 61000

**EMBY**  
**ENGINEERING, INC.**  
REGISTERED PROFESSIONAL ENGINEERS  
CONSULTING ENGINEERING CENTER

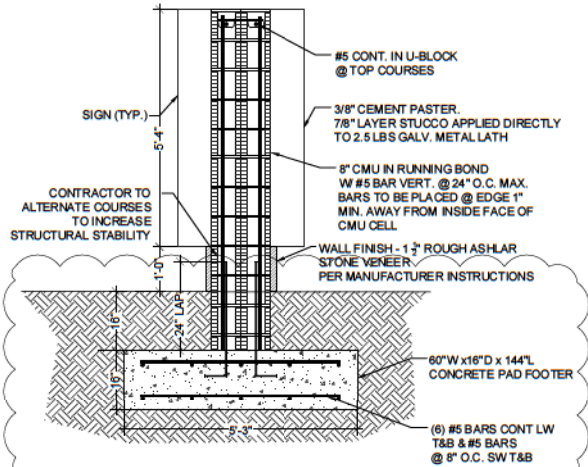
STRUCTURAL  
NOTES

INDIAN RIVER COUNTY  
WELCOME SIGNS  
ON SR 80 EAST OF  
BOTH AVENUE  
INDIAN RIVER COUNTY FLORIDA

RODOLFO VILLAMIZAR  
FL. P.E. #61000  
DATE: 05-15-2020  
SHEET  
S1  
OF 3  
18-0266

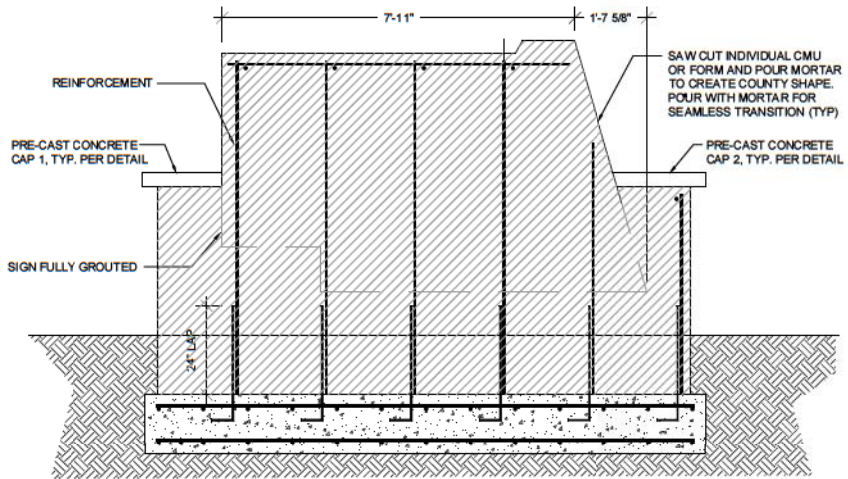
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**PROPOSED SECTION A-A**  
SCALE: N.T.S.

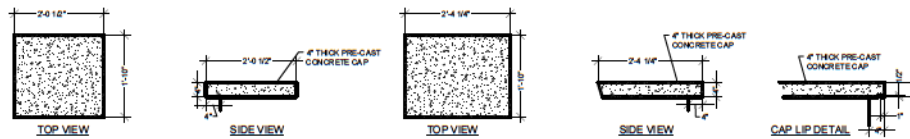
1



**REINFORCEMENT ELEVATION**

SCALE: N.T.S.

1  
S3



**PRE-CAST CONCRETE CAP DETAILS**

SCALE: N.T.S.

Rodolfo Vilamizar, State of Florida,  
Professional Engineer, License No. 61000.

This item has been digitally signed and sealed by  
Rodolfo Vilamizar, P.E. on the date adjacent to the  
seal using a SHA authentication code.

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signed and sealed and the SHA authentication code  
must be verified on any electronic copies.

REVISIONS	DATE
1. PER FOOT	5/13/20

REV. NO.	DATE	BY	CHKD.	DATE ASSIGNED	SCALE
1	18-02-26	ACR	ACR		
2		ACR	ACR		
3		ACR	ACR		
4		ACR	ACR		
5		ACR	ACR		
6		ACR	ACR		
7		ACR	ACR		
8		ACR	ACR		
9		ACR	ACR		
10		ACR	ACR		

1833 S. 20TH STREET  
WESLEY PALM BEACH, FL 33411  
PH: (772) 543-8037  
FX: (772) 778-3417  
FACSIMILE: (772) 778-3417  
FLORENCE, SC 29502  
FT. WALTER, FL 32258  
FT. WALTER, FL 32258

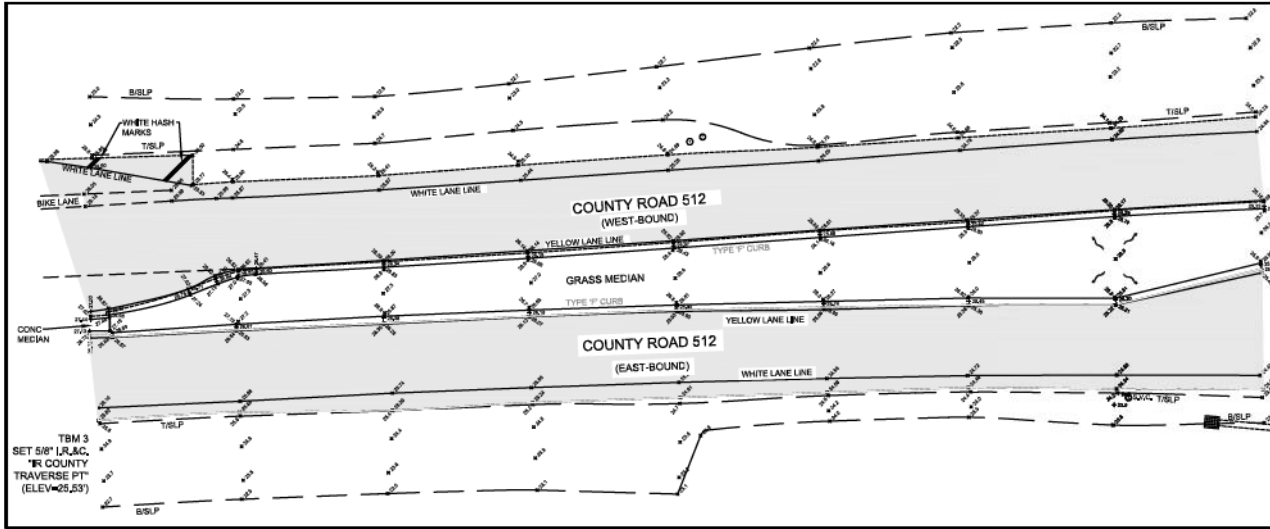
**EMBV**  
**ENGINEERING, INC.**  
CONSULTING ENGINEERING  
CORPORATION

SECTIONS,  
& STRUCTURAL  
DETAILS

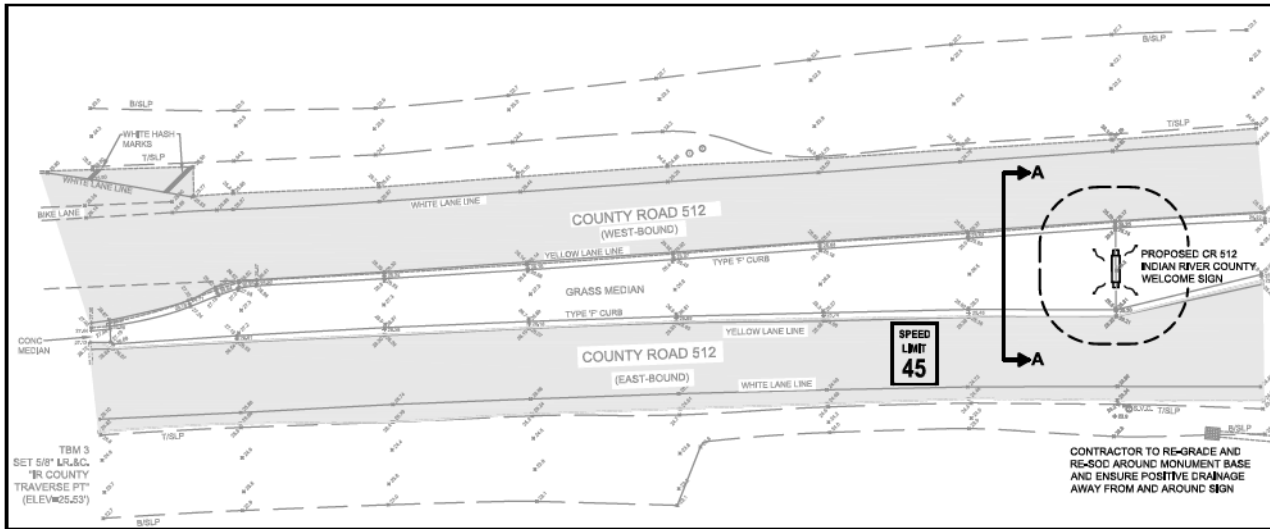
INDIAN RIVER COUNTY  
WELCOME SIGNS  
ON SR 80 EAST OF  
90TH AVENUE  
INDIAN RIVER COUNTY, FLORIDA

RODOLFO VILAMIZAR  
FL P.E.#61000  
DATE: 05-15-2020  
SHEET  
**S3**  
OF 3  
18-02-26

PERMIT SET



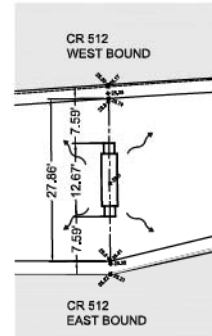
**CR 512 and 106th Avenue Median Existing Conditions Plan**  
SCALE: 1" = 20'



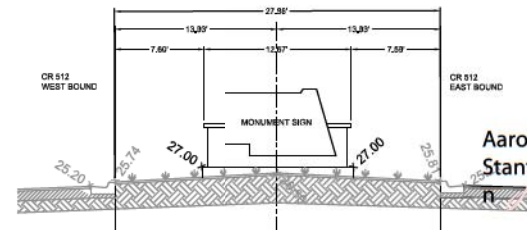
**CR 512 and 106th Avenue Median Welcome Sign Location Plan**  
SCALE: 1" = 20'



**Location Map**  
SCALE: 1" = 100'



**Area Of Detail**  
SCALE: 1" = 10'



**Elevation 'A' - 'A'**  
SCALE: 1" = 5'-0"

**NOTE: MONUMENT SIGN LETTERING TO BE RETRO-REFLECTIVE**

**Site Information**

**SITE ADDRESS**  
MEDIAN AT CR 512 & 106TH AVENUE  
FELLSMERE, FLORIDA 32845

**ENGINEER / APPLICANT**

MBV ENGINEERING, INC.  
1830 20TH STREET  
VERO BEACH, FLORIDA 32940  
PHONE: (772) 884-0033

**OWNER**

INDIAN RIVER COUNTY  
1301 27TH STREET  
VERO BEACH, FLORIDA 32960

**PROJECT DESCRIPTION**

THIS PROJECT PROPOSES TO CONSTRUCT AN INDIAN RIVER COUNTY WELCOME MONUMENT SIGN LOCATED IN THE MEDIAN OF CR 512 & 106TH AVENUE.

JOB NO.	DESIGNED	TH	DRAWN	SJS	DATE	DATE ISSUED	DATE
18-0286					MARCH 2019	MARCH 2019	

**MBV ENGINEERING, INC.**  
1830 20TH STREET  
VERO BEACH, FLORIDA 32940  
PHONE: (772) 884-0033  
WWW.MBVENGINEERING.COM

EXISTING CONDITIONS AND PROPOSED SIGN LOCATION PLAN

INDIAN RIVER COUNTY  
CR 512 AND 106TH AVENUE  
MEDIAN WELCOME SIGN

**Aaron B. Stanton**  
LIGENEE  
No. 72460  
STATE OF FLORIDA  
PROFESSIONAL ENGINEER

AARON B. STANTON  
P.L.P.Z. #72460  
1/19/2020  
SHEET  
**C-1**  
OF 1  
18-0286

**STRUCTURAL-GENERAL NOTES**

**DESIGN CRITERIA AND LOADS:**

1. WIND DESIGN:	
WIND SPEED (MPH)	V(AD) <sub>j</sub> =134 V(ULT)=170
RISK CATEGORY	I
EXPOSURE CATEGORY	C
CLASSIFICATION	SIGN OR WALL
INTERNAL PRESSURE COEFFICIENT	CPI = +/- 0.00
TOPOGRAPHIC FACTOR	KZT = 1.0

**GENERAL REQUIREMENTS**

- PLAN AND DETAIL NOTES AND SPECIFIC LOADING DATA PROVIDED ON INDIVIDUAL PLANS AND DETAIL DRAWINGS SUPPLEMENTS INFORMATION IN THE STRUCTURAL GENERAL NOTES.
- THE DESIGN AND CONSTRUCTION OF THIS PROJECT IS GOVERNED BY THE "FLORIDA BUILDING CODE (FBC)", SIXTH EDITION, HEREAFTER REFERRED TO AS THE FBC, AS ADOPTED AND MODIFIED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.).
- WHERE OTHER STANDARDS ARE NOTED IN THE DRAWINGS, USE THE LATEST EDITION OF THE STANDARD UNLESS A SPECIFIC DATE IS INDICATED. REFERENCE TO A SPECIFIC SECTION IN A CODE DOES NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE ENTIRE STANDARD.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING DETAILS AND ACCURACY OF THE WORK WITH ENGINEER(S) AND OTHER TRADES; FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS; FOR SELECTING FABRICATION PROCESSES; FOR TECHNIQUES OF ASSEMBLY; AND FOR PERFORMING WORK IN A SAFE AND SECURE MANNER.
- IN CASE OF DISCREPANCIES BETWEEN THE GENERAL NOTES, SPECIFICATIONS PLANDetails, REFERENCE STANDARDS, THE ENGINEER SHALL DETERMINE WHICH SHALL GOVERN. SHOULD ANY DISCREPANCY BE FOUND IN THE CONTRACT DOCUMENTS, THE CONTRACTOR WILL BE DEEMED TO HAVE INCLUDED IN THE PRICE THE MOST EXPENSIVE WAY OF COMPLETING THE WORK, UNLESS PRIOR TO THE SUBMISSION OF THE PRICE, THE CONTRACTOR ASKS FOR A DECISION FROM THE ENGINEER AS TO WHICH SHALL GOVERN. ACCORDINGLY, ANY CONFLICT IN OR BETWEEN THE CONTRACT DOCUMENTS SHALL NOT BE A BASIS FOR ADJUSTMENT IN THE CONTRACT PRICE.
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- MODULUS OF SUBGRADE REACTION.....200 PCI
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- ACTIVE LATERAL PRESSURE (UNRESTRAINED).....55 PSF
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- COEFFICIENT OF SLIDING FRICTION.....0.4

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- FOR SITE PREPARATION, REMOVE DELETERIOUS MATERIAL SUCH AS VEGETATION, ORGANIC SOILS AND ROOT ZONES, EXISTING FILL, OR LOOSE, SOFT FROZEN, OR OTHERWISE UNSUITABLE MATERIALS FROM BELOW THE PROPOSED FOUNDATION AREAS.
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- CONCRETE COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS:
  - CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH: 3"
  - EXPOSED TO EARTH OR WEATHER:
 

NO. 5 AND SMALLER BARS	1 1/2"
NO. 6 AND LARGER BARS	2"
- AREA DRAINAGE SHALL BE DIRECTED AWAY FROM THE FOUNDATION.
- GENERAL CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR SHORING, SHEETING AND BRACING OF EXCAVATIONS.

**CONCRETE MASONRY**

- CONCRETE MASONRY WORK SHALL BE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE REQUIREMENTS FOR MASONRY, AND REQUIREMENTS AND SPECIFICATIONS FOR MASONRY STRUCTURES ACI 530 / ASCE 6 (LATEST EDITION).
- MOISTURE CONTENT OF BLOCKS SHALL NOT EXCEED 35% OF TOTAL ABSORPTION AT THE TIME OF PLACEMENT. MAXIMUM LINEAR SHRINKAGE FOR BLOCK UNITS USED FOR EXTERIOR WALL SHALL NOT EXCEED .04%.
- BLOCK UNITS SHALL CONFORM TO FLORIDA CONCRETE AND PRODUCTS ASSOCIATION SPECIFICATION "CM-1".
- CONCRETE MASONRY UNITS SHALL BE IN CONFORMANCE WITH ASTM C 90, GRADE N, TYPE II. MASONRY UNITS SHALL BE TESTED IN ACCORDANCE WITH ASTM C 140 AND SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 1900 PSI MINIMUM BASED ON THE NET CROSS SECTIONAL AREA.
- USE ALL GROUT CONFORMING TO ASTM C 476 WITH A MIN. COMPRESSIVE STRENGTH OF 3000 PSI IN 28 DAYS, TESTED IN ACCORDANCE WITH ASTM C 39, COARSE TYPE WITH MAX. AGGREGATE SIZE OF 3/8" AND SLUMP OF 6" TO 11". TEST SAMPLES FOR COMPRESSIVE STRENGTH EVERY 30 YARDS OR EA DAY OF GROUTING. 2,800 PSI PUMP MIX READY MIX CONCRETE MADE WITH MAX. 3/8" AGGREGATE AND MAX. 9" SLUMP IS ACCEPTED ALTERNATE. NO ADMIXTURES WILL BE PERMITTED IN MORTAR.
- GROUT FOR POURING SHALL BE A FLUID CONSISTENCY.
- USE TYPE "M" MORTAR IN CONFORMANCE WITH ASTM C 270, AND ASTM C 780, TYPES (DO NOT USE MASONRY CEMENT). MORTAR SHALL BE FRESHLY PREPARED AND UNIFORMLY MIXED.
- REMOVE MORTAR PROTRUDING INTO CELL CAVITIES THAT ARE TO BE REINFORCED AND GROUTED. ALLOW A MIN. OF 24 HOURS FOR MORTAR TO CURE BEFORE PLACING GROUT.
- REINFORCING STEEL SHALL CONFORM TO ASTM A 615 GRADE 60, F<sub>y</sub> = 60,000 PSI. ALL SPLICES (LAPS) AND CORNER BARS SHALL BE MINIMUM 30 INCHES OR AS SHOWN ON DRAWINGS.
- DO NOT STACK MASONRY UNITS MORE THAN 2'-8" HIGH AND IN PALLETS OF 4'x4' MAXIMUM SURFACE AREA AND NO LESS THAN 8 FT. AWAY FROM EACH OTHER.
- ALL UNITS TO BE LAID UP IN RUNNING BOND WITH CONCAVE COMPRESSED JOINTS UNLESS NOTED OTHERWISE.

- HEAD AND BED JOINTS SHALL BE 3/8" THICK EXCEPT STARTING JOINT AT FOUNDATION WHICH SHALL BE 1/4" MINIMUM AND 3/4" MAXIMUM. ALL UNITS SHALL BE LAID WITH FULL MORTAR COVERAGE OF THE FACE SHELLS IN BOTH HORIZONTAL AND VERTICAL OR TRUSS.
- PROVIDE 9 GAGE LADDER TYPE CONT. GALVANIZED HORIZONTAL JOINT REINFORCING (CUR O WALL OR ENGINEER APPROVED SUBSTITUTION) AT ALTERNATE BLOCK COURSES (16" VERTICALLY) WITH MIN. 6" LAP SPLICE.
- WHERE VERTICAL REINFORCEMENT IS REQUIRED PROVIDE ONE PIECE, NO SPLICES, CENTERED IN THE WALL UNLESS SPECIFICALLY DETAILED. OTHERWISE PROVIDE VERTICAL SUPPORT SPACERS AT 200 REINFORCEMENT DIAMETERS MAXIMUM BUT NOT EXCEEDING 10 FEET. THE CONTRACTOR HAS THE OPTION TO USE ADDITIONAL LAP SPLICES FOR THE PLACEMENT OF THE VERTICAL REINFORCING.
- ALL REINFORCED HOLLOW UNIT MASONRY SHALL BE BUILT TO PRESERVE THE UNOBSTRUCTED VERTICAL CONTINUITY OF THE CELLS TO BE FILLED. WALLS AND CROSS WEBS FORMING SUCH CELLS TO BE FILLED SHALL BE FULL-BEDDED IN MORTAR TO PREVENT LEAKAGE OF GROUT. ALL HEAD (OR END) JOINTS SHALL BE SOLIDLY FILLED WITH MORTAR FOR A DISTANCE IN FROM THE FACE OF THE WALL OR UNIT NOT LESS THAN THE THICKNESS OF THE LONGITUDINAL FACE SHELLS. BOND SHALL BE PROVIDED BY LAPPING UNITS IN SUCCESSIVE VERTICAL COURSES OR BY EQUIVALENT MECHANICAL ANCHORAGE.
- VERTICAL CELLS TO BE FILLED SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR, UNOBSTRUCTED, CONTINUOUS VERTICAL CELL MEASURING NOT LESS THAN 3" AND HAVING A CLEAR AREA OF 10 SQUARE INCHES.
- REINFORCING BARS REQUIRE A MINIMUM CLEAR DISTANCE OF 1/4" FOR FINE GROUT OR 1/2" FOR COURSE GROUT BETWEEN ANY MASONRY FACE. A MINIMUM 2" COVER FROM THE EXTERIOR FACE OF THE BLOCK TO THE REINFORCING INCLUDING GROUT SHALL ALSO BE OBSERVED.
- FOR REINFORCING CONGESTION KNOCK OUT BLOCKS TO BE USED TO FACILITATE CONSTRUCTION.
- ALL CELLS CONTAINING REINFORCING OR EMBEDDED ITEMS SHALL BE SOLID GROUTED.
- CLEANOUT OPENINGS SHALL BE PROVIDED AT THE BOTTOM OF ALL CELLS TO BE FILLED IN EACH POUR OF GROUT WHERE SUCH GROUT POUR IS IN EXCESS OF 4 FEET IN HEIGHT. ANY OVERHANGING MORTAR OR OTHER OBSTRUCTION OR DEBRIS SHALL BE REMOVED FROM THE INSIDES OF SUCH CELL WALLS. THE CLEANOUTS SHALL BE SEALED BEFORE GROUTING, AFTER INSPECTION.
- GROUT SHALL BE A CONTINUOUS OPERATION POURED IN LIFTS OF 8 FEET MAXIMUM HEIGHT. ALL GROUT SHALL BE CONSOLIDATED AT TIME OF POURING BY PUDDLING OR VIBRATION AND THEN RECONSOLIDATED AGAIN BY PUDDLING LATER, BEFORE PLASTICITY IS LOST.
- WHEN THE GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE POUR OF GROUT NOT LESS THAN 1/2 INCH BELOW THE TOP OF THE UPPERMOST UNIT GROUTED.
- UNITS WHICH ARE DISTURBED AFTER INITIAL BOND IS ACHIEVED MUST BE REMOVED AND RELAID WITH FRESH MORTAR TO ENSURE ADEQUATE BOND STRENGTH AND MINIMIZE THE LIKELIHOOD OF WATER PENETRATION INTO AN UNBONDED JOINT.
- FOR SPECIAL INSPECTIONS THE ENGINEER SHALL BE GIVEN A MINIMUM 72 HOURS NOTICE PRIOR TO EACH REINFORCED BLOCK GROUTING OR CONCRETING OPERATION.

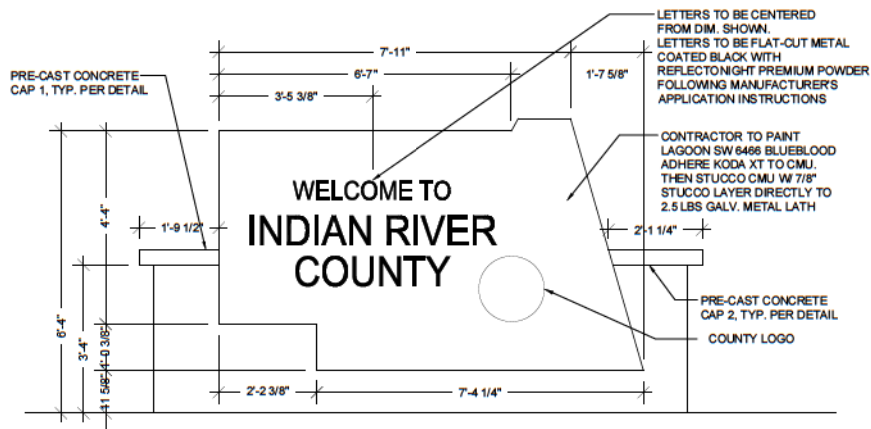
Rodolfo Villamizar, State of Florida,  
Professional Engineer, License No. 61000.

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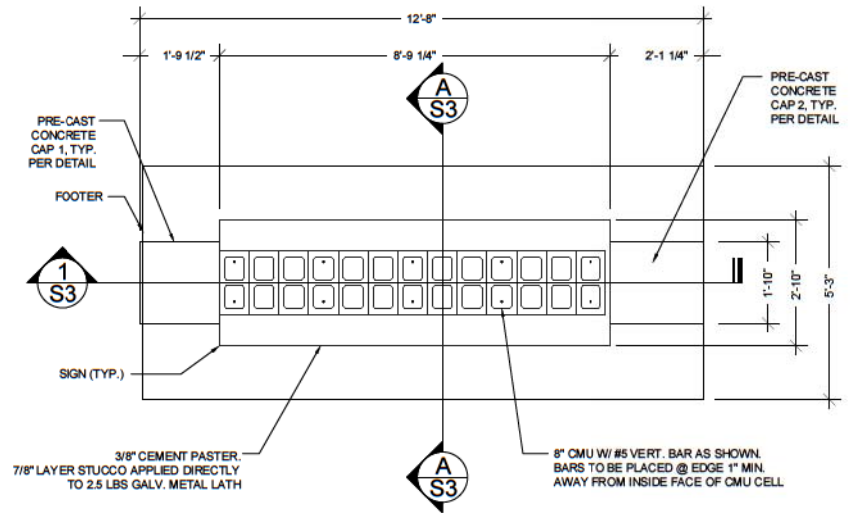
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by Rodolfo Villamizar  
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REVISIONS	
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100	05-18-2020



**ELEVATION VIEW**

SCALE 3/8"=1'



**PROPOSED PLAN VIEW**

SCALE 3/8"=1'

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Professional Engineer, License No. 61000.

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REV	DATE	DESCRIPTION

JOB NO. 18-0296 ASSIGNED AC DRAWN AER DATE APR 2022 CHECKED RV DATE ISSUED 05-18-2023 SCALE AS NOTED	1835 S. 20TH STREET WEST PALM BEACH, FL 33411 PH (772) 543-8017 FX (772) 778-3417 WWW.MBV-INC.COM FT. WHEELER, FL 32909 FT. WHEELER, FL 32788
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**MBV**  
ENGINEERING, INC.  
CONSULTING ENGINEERING, CA 97728

PROPOSED  
PLAN VIEW, AND  
ELEVATION

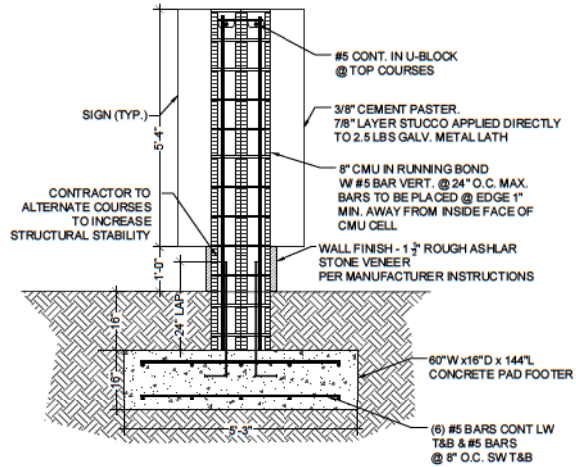
INDIAN RIVER COUNTY  
WELCOME SIGNS  
ON CR 912 AND 108TH AVENUE  
MEDIAN  
INDIAN RIVER COUNTY, FLORIDA

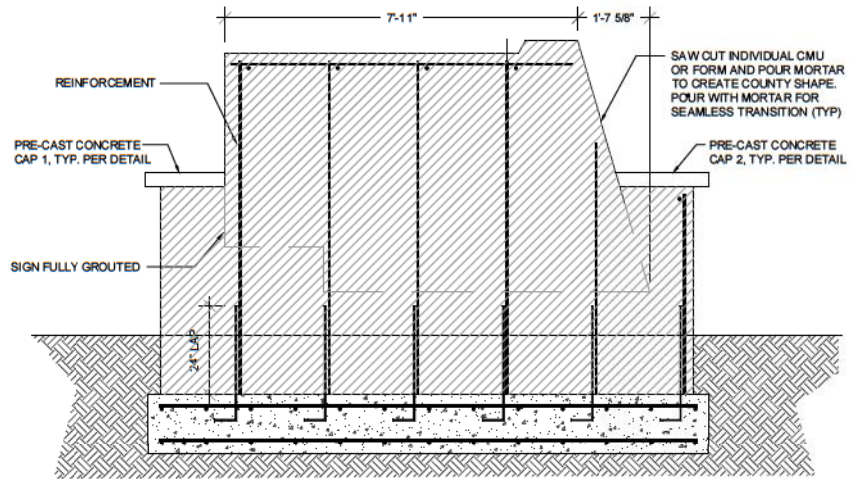
RODOLFO VILLAMIZAR  
FL P.E. #61000

DATE: 05-18-2023

SHEET  
**S3**  
OF 3  
18-0296

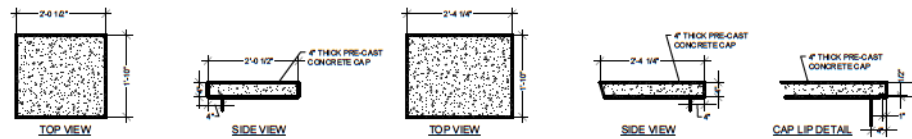


**PROPOSED SECTION A-A**  
SCALE: N.T.S.



**REINFORCEMENT ELEVATION**  
SCALE: N.T.S.

1  
S3



**PRE-CAST CONCRETE CAP DETAILS**  
SCALE: N.T.S.

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NO.	REVISIONS	DATE
1	ISSUED	05-18-2020
2		
3		
4		
5		

DESIGNED	AC	18-0236
DRAWN	ACR	
CHECKED	RV	
DATE ASSIGNED		
DATE ISSUED		
SCALE		

1833 S. 20TH STREET  
WESLEY, FL 32795  
PH (772) 543-8037  
FX (772) 778-3417  
INDIAN RIVER COUNTY, FL 32903  
FT. WHEELER, FL 32786-8655

**EMBV**  
**ENGINEERING, INC.**  
CONSULTING ENGINEERING, CA 92728

SECTIONS,  
& STRUCTURAL  
DETAILS

INDIAN RIVER COUNTY  
WELCOME SIGNS  
ON CR 912 AND 108TH AVENUE  
MEDIAN  
INDIAN RIVER COUNTY, FLORIDA

RODOLFO VILLAMIZAR  
FL P.E.#61000  
DATE: 05-18-2020  
SHEET  
**S3**  
OF 3  
18-0236

PERMIT SET