

DEPARTMENTAL INPUT
CONTRACT/PROJECT MEASURE ANALYSIS AND RECOMMENDATION

☒ New ☐ OTR ☐ Sole Source ☐ Bid Waiver ☐ Emergency

Previous Contract/Project No.

Contract

8793-1/18-1

☒ Re-Bid ☐ Other

LIVING WAGE APPLIES: ☐ YES ☒ NO

Requisition No./Project No.: **RQID1700122/FB-00648**

TERM OF CONTRACT

5 Years / 5 Yr OTR

Requisition /Project
Title:

CAST IRON METER AND VALVES

Description: **The purpose of this Invitation to Bid (ITB) is to establish a contract for the purchase of various Cast Iron water meter boxes, valve boxes, covers and assemblies on an as needed basis.**

Issuing Department: **WASD**

Contact
Person:

Susan Pascal

Phone:

786-552-8254

Estimate Cost: **\$2,460,000.00**

GENERAL FEDERAL OTHER

Proprietary

Funding Source:

Revenue

ANALYSIS

Commodity Codes:

890-40

890-30

890-45

210-45

Contract/Project History of previous purchases three (3) years
Check here ☐ if this is a new contract/purchase with no previous history.

EXISTING

2ND YEAR

3RD YEAR

Contractor:

HD SUPPLY WATERWORKS LTD
U S FOUNDRY & MANUFACTURING CORP
CORCEL CORP

Small Business Enterprise:

Contract Value:

\$2,460,000

Comments:

Continued on another page (s): ☐ Yes ☒ No

RECOMMENDATIONS

SBE

Set-aside

Sub-contractor goal

Bid preference

Selection factor

x

Basis of
recommendation:

Market Research identified several vendors who can provide the required goods/services to perform these services. If competition yields any SBE vendors who meet the specified qualifications, Bid Preference is recommended.

Date sent to SBD: 07/13/17

Signed: Lashonne Williams-Canty

Date returned to DPM:

Revised April 2005

SECTION 2 - SPECIAL TERMS AND CONDITIONS**2.1 PURPOSE**

The purpose of this Invitation to Bid (ITB) is to establish a contract for the purchase of various Cast Iron water meter boxes, valve boxes, covers and assemblies on an as needed basis.

2.2 TERM OF CONTRACT

This contract shall commence on the first calendar day of the month succeeding approval of the contract by the Board of County Commissioners, or designee, unless otherwise stipulated in the Notice of Award Letter which is distributed by the County's Procurement Management Division, and contingent upon the completion and submittal of all required bid documents. The contract shall expire on the last day of the sixty (60) month period.

2.3 OPTION TO RENEW

Miami-Dade County shall have the option to renew this pool for an additional five (5) years. Continuation of the contract beyond the initial period is a County prerogative, and not a right of the bidder. This prerogative may be exercised only when such continuation is clearly in the best interest of the County.

2.4 METHOD OF AWARD

Award of this contract will be made to the responsive, responsible Bidder who submits an offer on all items listed and whose offer represents the lowest price when all items are added in the aggregate. If a Bidder fails to submit an offer on all items, its overall offer may be rejected. If the vendor fails to perform in accordance with the terms and conditions of the contract, the vendor may be deemed in default of the contract. If the vendor defaults, County shall have the right to negotiate with the next responsive, responsible Bidder.

2.5 QUALIFICATION REQUIREMENTS

Bidders shall submit all of the qualifying documents with their submittal form.

- 2.5.1 Contractor must be a verifiable manufacturer, or an approved or certified agent or distributor, or a designated distributor, or a stocking dealer, or a resale agent of the Original Equipment Manufacturer (OEM) products and parts, for the brands listed by the bidder in the bidder's submittal.

Contractor is required to submit with their submittal current letters from the manufacturers of the products proposed to the County. The letters must be published on the manufacturer's letterhead and they must designate the bidder as the manufacturer, an agent, a dealer, a representative or a distributor of the products proposed to the County. The letter must be dated within six (6) months of the bid submittal and it must be signed by an authorized manufacturer's representative

- 2.5.2 Contractor shall provide three (3) references, consisting of existing customers, shall be listed in the bidder's submittal. The references listed must be customers that are currently receiving or have recently received from the bidder the products described in this solicitation. The references must include the customer's company name, and the name, title, address, and telephone number of the contact person who can verify that the bidder has successfully provided the products described in this solicitation.

2.5.3 Contractor shall be equipped with modern office equipment, especially a dedicated facsimile (FAX) machine and an e-mail address. Both resources must be available twenty-four (24) hours a day to provide immediate technical support and expedite quotations.

2.6 **PRICES**

The prices proposed by the bidder shall remain fixed and firm for the term of the contract.

2.7 **EQUAL PRODUCT CAN BE CONSIDERED UPON EVALUATION OF INFORMATION SHEET AND SHOP DRAWINGS**

The manufacturer's name, brand name and model number listed in this ITB are used to establish minimum requirements in reference to quality, standards of performance and design; required and are in no way intended to prohibit the bidding of other manufacturer's items of established as an equal product. An equal product may be offered provided that the product is found by the County to be equal in, including but not limited to, the standards of performance and design of the items specified. All items proposed by the bidder(s) shall be accompanied by two (2) complete sets of factory Information Sheets per item. Bidder(s) shall provide complete catalog data and information showing the construction and detail of the proposed items in order to be considered for award. The information must be sufficient to permit a complete evaluation of the item proposed. Bidder(s) must refer to the details provided in Section 3 of the Technical Specifications of this solicitation to guarantee that the Information Sheets in their bid satisfy these requirements.

1. Vendor(s) shall submit with their proposal six (6) copies of shop drawings to fully describe the items they could furnish. Two (2) copies will be returned to the successful bidder(s) marked "Approved" or "Approved Subject to Notations and Corrections as Indicated". The latter notation showing required minor changes for compliance with these specifications. Shop drawings shall include certified dimensions and certified weights for each component. Castings having dimensions other than those specified herein including the Department Standards attached to the original Invitation to Bid (ITB) shall not be acceptable. Approval of drawings and data will be general and shall mean that upon examination of the drawings and data, no variations from the contract requirements have been discovered and approval will not relieve the successful bidder(s) of their responsibilities as defined under the contract.
2. Miami-Dade County may, at its sole discretion, allow bidder(s) to complete or supplement the technical data during the bid evaluation period. Failure to provide the proof of compliance to the technical specifications and requirements, to the satisfaction of the County, may result in a non-responsive bid. The County shall be the sole judge of the bidder's conformance with the technical specification and requirements and the decision shall be final. The County reserves the right to verify the information submitted by the bidders and to obtain and evaluate additional information, as deemed necessary to ascertain the bidders' conformance to the technical specifications and requirements.

2.8 **INDEMNIFICATION AND INSURANCE**

Contractor shall indemnify and hold harmless the County and its officers, employees, agents and instrumentalities from any and all liability, losses or damages, including attorneys' fees and costs of defense, which the County or its officers, employees, agents or instrumentalities may incur as a result of claims, demands, suits, causes of actions or proceedings of any kind or nature arising out of, relating to or resulting from the performance of this Agreement by the Contractor or its employees, agents, servants, partners principals or subcontractors. Contractor shall pay all claims and losses in connection therewith and shall

investigate and defend all claims, suits or actions of any kind or nature in the name of the County, where applicable, including appellate proceedings, and shall pay all costs, judgments, and attorney's fees which may issue thereon. Contractor expressly understands and agrees that any insurance protection required by this Agreement or otherwise provided by Contractor shall in no way limit the responsibility to indemnify, keep and save harmless and defend the County or its officers, employees, agents and instrumentalities as herein provided.

The Contractor shall furnish to the Internal Services Department / Procurement Management Services, 111 NW 1st Street, Suite 1300, Miami, Florida 33128-1989, Certificate(s) of Insurance which indicate that insurance coverage has been obtained which meets the requirements as outlined below:

- A. Worker's Compensation Insurance for all employees of the Contractor as required by Florida Statute 440.
- B. Commercial General Liability on a Comprehensive basis including Products and Completed Operations in an amount not less than \$300,000 Combined Single Limit per occurrence for Bodily Injury and Property Damage. **Miami-Dade County must be shown as an additional insured with respect to this coverage.**
- C. Automobile Liability Insurance covering all owned, non-owned and hired vehicles used in connection with the work, in an amount not less than \$300,000 combined single limit per occurrence for bodily injury and property damage.

All insurance policies required above shall be issued by companies authorized to do business under the laws of the State of Florida, with the following qualifications:

The company must be rated no less than "A-" as to management, and no less than "Class VII" as to financial strength, by Best's Insurance Guide, published by A.M. Best Company, Oldwick, New Jersey, or its equivalent, subject to the approval of the County Risk Management Division.

or

The company must hold a valid Florida Certificate of Authority as shown in the latest "List of All Insurance Companies Authorized or Approved to Do Business in Florida" issued by the State of Florida Department of Financial Services.

NOTE: CERTIFICATE HOLDER MUST READ: MIAMI-DADE COUNTY
111 NW 1ST STREET
SUITE 2340
MIAMI, FL 33128

2.9 METHOD OF PAYMENT

Vendor(s) must submit an original invoice to the user departments, after a purchase has been completed, whether the specific service or item was picked up by authorized County personnel or delivered by the vendor.

All invoices must reference the corresponding packing slip/delivery ticket number that was signed by the authorized representative of the user department. If an item is delivered by the US Mail or a private carrier, the carrier's corresponding receipt ticket/mailling ticket bill of lading number must be referenced on the invoice. Invoices shall also reference the corresponding requisition information such as: order/small purchase number, requisition number, quantity, unit cost, and total cost. Failure to prepare and submit invoices in the prescribed manner shall delay payment.

Submittal of these periodic invoices shall not exceed thirty (30) calendar days from the delivery of the service/delivery. Invoices shall not be submitted to the Accounts Payable Unit in advance of the delivery and acceptance of the service or item.

2.10 **SHIPPING TERMS**

Vendor(s) shall quote prices based on F.O.B (free on board) Destination and shall hold title to the goods until such time as they are delivered to, inspected and accepted by, an authorized County representative.

2.11 **DELIVERIES**

Vendor(s) shall make deliveries as established in their bid proposal, which may not exceed sixty (60) calendar days after an order is placed by the County unless otherwise approved by the County in writing. All deliveries shall be made in accordance with good commercial practice and all established delivery time frames shall be adhered to by the successful bidders except in such cases where the delivery shall be delayed due to acts of God, strikes, or other causes beyond the control of the vendor. In these cases, the vendor shall notify the County in writing of the delays in advanced of the original delivery date so that a revised delivery schedule can be established.

Should the primary, secondary or tertiary vendor to whom an order is awarded fail to deliver in the number of days established by the bid proposals or after any revised delivery date has lapsed, the County reserves the right to cancel the order. If the order is cancelled, it is hereby understood and agreed that the County has the authority to purchase the goods elsewhere.

Orders for cast iron meter boxes and covers, valve boxes and covers, and manhole frames and covers shall be delivered by the vendor(s) to various county storerooms and/ or job sites. Requirements for deliveries are as follows:

A. Storage Yards (Order Points)

Deliveries to the storerooms shall be accomplished within the time frame stated in the vendor(s) proposal or as established by the Storekeeper at the order point. The applicable Storekeeper must be notified 48 hours in advance of each shipment. Deliveries must be accomplished in open-top or flatbed trucks between 7:30 AM and 3:00 PM, Monday through Friday, excluding County observed holidays. The County shall not be responsible for delays or additional costs incurred by non-compliance with these requirements. Any additional costs for special orders charged by the vendor must be entered on the corresponding invoice as a separate item.

B. Job Sites

Deliveries to a job site shall be accomplished within the time frame stated in the vendor(s) proposal or as established by the Storekeeper or Project Manager and must be delivered in open top or flatbed

trucks. The order must not be shipped until the vendor has received written or verbal delivery instructions from the Storekeeper or the Project Manager.

2.12 **BACK ORDERS**

The County shall not accept any back orders of deliveries from the vendor, unless written authorization is issued by Miami-Dade Water and Sewer Department (WASD). Accordingly, the vendor is required to deliver all items to WASD within the time specified in this solicitation; and no grace period shall be honored. In the event that the vendor fails to deliver the goods within the time specified, WASD reserves the right to cancel the order, seek the items from another vendor, and charge the vendor for any re-procurement costs.

2.13 **WARRANTY**

Vendor(s) shall promptly correct all apparent and latent deficiencies and/or defects in work, and/or any work that fails to conform to the contract documents regardless of project completion status. All corrections shall be made within three (3) working days after such rejected defects, deficiencies, and/or non-conformances are reported to the vendor. The vendor shall bear all costs of correcting such rejected work. If the vendor fails to correct the work within the period specified the County may, at its discretion, notify the vendor, in writing, that the vendor is subject to contractual default provisions if the corrections are not completed to the satisfaction of the County within three (3) working days of receipt of the notice. If the vendor fails to correct the work within the period specified in the notice, the County shall place the vendor in default, obtain the services of another vendor to correct the deficiencies, and charge the incumbent vendor for these costs; either through a deduction from the final payment owed to the vendor or through invoicing. If the vendor fails to honor this invoice or credit memo, the County may terminate the vendor for default.

A. **Warranty Coverage**

In addition to all warranties that may be supplied by the manufacturer, the vendor shall warrant its products and/or service against faulty labor and/or defective material for a minimum period of one (1) year after the date of acceptance of the labor, materials, and/or equipment by the County. This warranty requirement shall remain in force for the full one (1) year period; regardless of whether the vendor is under contract with the County at the time of defect. Any payment by the County on behalf of the goods or services received from the vendor does not constitute a waiver of these warranty provisions.

B. **Correcting Defects Covered Under Warranty**

The vendor shall be responsible for promptly correcting any deficiency, at no cost to the County, within three (3) working days after the County notifies the vendor of such deficiency in writing. If the vendor fails to honor the warranty and/or fails to correct or replace the defective work or items within the period specified, the County may, at its discretion notify the vendor in writing that the vendor may be subject to contractual default if the corrections or replacements are not completed to the satisfaction of the County within three (3) working days of the receipt of the notice. If the vendor fails to satisfy the warranty within the period specified in the notice, the County may a) place the vendor in default of its contract, and/or b) procure the products or services from another vendor and charge the vendor for any additional costs that are incurred by the County for this work or items either through a credit memorandum or through invoicing.

2.14 ACCEPTANCE OF PRODUCT BY THE COUNTY

The products furnished by vendor(s) shall be maintained and delivered to the County in excellent condition. If a product does not meet specifications, the product shall be returned to the vendor and exchanged for the suitable merchandise or for full credit at no additional cost to the County. Vendor(s) shall be responsible for arranging all shipping or pick-up activities and shall bare all the cost incurred. In the event vendor(s) fail to pick-up such material or arranges to have such material shipped back to the vendor within a reasonable period of time; the County shall cause material to be shipped to the vendor, the vendor shall be liable for any cost incurred by the County in addition to the shipping cost.

2.15 AUTHORIZATION TO PICK-UP MATERIALS

Miami-Dade County employees are authorized to pick-up materials against the Purchase Orders issued to the vendor(s). If the vendor is in doubt about the authenticity of the person(s) picking up materials, the vendor shall contact the Department of Procurement Management for assistance at (305) 375-1658.

2.16 COMPLIANCE WITH FEDERAL STANDARDS

All items to be purchased under this bid shall be in accordance with all governmental standards, to include, but not limited to, those issued by the American National Standards Institute (ANSI), the American Society for Testing Materials (ASTM), the American Waterworks Association (AWWA), the Environmental Protection Agency (EPA), the Instrument Society of America (ISA), the International Standards Organization (ISO), the National Fire Protection Association (NFPA), the National Institute of Safety Hazards (NIOSH), the National Sanitation Foundation (NSF), and the Occupational Safety and Health Administration (OSHA).

Vendor(s) shall supply certifications that all materials supplied that will come into contact with drinking water conforms or will conform with "American National Standards Institute (ANSI) and the National Sanitation Foundation (NSF), Standard 61.

It shall be the responsibility of all awarded vendors to be regularly informed and to conform to any changes in standards issued by any regulatory agencies that govern the commodities applicable to this solicitation during the term of the contract.

2.17 DEFECTS

Vendor(s) hereby acknowledge and agree that all materials, except where recycled content is specifically requested, supplied by the bidder in conjunction with this ITB shall be new, warranted for their merchantability, and fit for a particular purpose. In the event any of the materials supplied to the County by the bidder are found to be defective or do not conform to specifications, the County reserves the right to (1) cancel the order and return such materials to the bidder at the vendor's expense or (2) require the vendor to replace the materials at the bidder expenses.

2.18 PACKAGING REQUIREMENTS

Vendors must enclose a complete packing slip or delivery ticket with items to be delivered, in conjunction with this solicitation, for the vendor by a private carrier. The packing slip must be enclosed with the shipping cartons, which contain the items being delivered. The packing slip must include, at a minimum, the following information: purchase order number; date of order; Department requisition number; a complete listing of the items being delivered; and, if authorized, the back-order quantities and the delivery date of the back-order. In addition, the vendors must print the purchase order number and the Department requisition number in an

obvious, prominent space in the "Ship To" portion of the private carriers receipt ticket/mailling ticket bill of lading. This action will allow the storeroom personnel to immediately identify the items being delivered. If there is any question regarding the private carrier's receipt ticket, the vendor's packing slip enclosed with the items being delivered can be immediately examined.

Failure to include the purchase order number and the Department requisition number on the private carrier's receipt ticket and to enclose a packing slip to the items being delivered in the prescribed manner may result in the shipment being refused and ordered off the property by the facility's security forces. The County shall not be responsible for delays, redelivery fees, restocking fees or any other additional cost incurred by noncompliance with these requirements.

Each shipment of materials provided by the successful bidder shall be accompanied by Certification specifically stating that the materials of that specific shipment comply with all requirements of this ITB specifically including dimensions and tolerances, materials of manufacture, weights of markings and foundry of origin. This Certification shall be signed, dated and sealed by a registered professional engineer licensed to practice in states where the materials are cast or if not of domestic manufacture, in the state where the supplying firm is located. One original of this certification shall ship with the materials and one original shall be sent directly to Mr. Charles A. Smith, P.E., Supervisor, Specifications Unit, Miami-Dade Water and Sewer Department, P.O. Box 330316, Miami, Florida, 33233-0316. Shipments sent without the certification as required above may not be accepted.

Commented [WL1]: Is this information still accurate, if not please provide?

2.19 PATENTS AND ROYALTIES

Vendor(s), without exception, shall indemnify and save harmless the County and its employees from liability of any nature or kind, including cost and expenses for or as a result of any copyrighted, patented, or unpatented invention, process, or article manufactured by the vendor. The vendor has no liability when such claim is solely and exclusively due to the combination, operation or use of any article supplied hereunder with equipment or data not supplied by vendor or is based solely and exclusively upon the County's alteration of the article. The purchaser will provide prompt written notification of a claim of copyright or patent infringement.

Further, if such a claim is made or is pending, the vendor may, at its options and expenses, procure for the purchaser the right to continue use of, replace or modify the article to render it non-infringing. (If none of the alternatives are reasonably available, the County agrees to return the article on request to the vendor and receive reimbursement, if any, as may be determined by a court of competent jurisdiction.) If the vendor uses any design, device, or materials covered by letters, patent or copyright, it is mutually agreed and understood without exception that the bid prices shall include all royalties or cost arising from the use of such design, device, or materials in any way involved in the work.

2.20 SAMPLES

After the County opens the bids, the bidders may be required to submit a sample of the goods to be supplied for evaluation by, and at no cost to the County. If samples are required, the County will notify the bidder of such in writing and will specify the deadline for submission of the samples. Each individual sample shall be clearly labeled with the bidder's name, bid number, bid title, manufacturer's name and brand name, and style number if applicable. If the bidder fails to submit the samples, properly labeled with the specified date stipulated in the notice, the County shall not consider the bidder's submittal for that item; provided however, that in the event of a group or in the aggregate as applicable. All samples shall become the property of Miami-Dade County.

The County reserves the right to perform random testing for compliance or to send any and all samples to any certified laboratory for analysis. Any costs for testing shall be borne by bidder. On the basis of this testing and analysis, the County shall be sole judge of the acceptability of the sample in conformance with the solicitation's specifications, and decision of the County in this regard shall be final. Any sample submitted shall create an express warranty that all of the products or items and/or related services to be provided by the bidder during the contract period shall conform to the sample submitted. The bidder shall be required to provide adequate restitution to the County, in the manner prescribed by the County, if this warranty is violated during the term of the contract.

2.21 PURCHASE OF ADDITIONAL ITEMS

While the County has listed all the major items within this solicitation which are utilized in conjunction with their operations, there may be similar or appurtenant items that must be purchased by the County during the term of this contract. Under these circumstances, a County representative will contact the awarded vendor to obtain a price quote for the similar of appurtenant items.

The County reserves the right to award these similar or appurtenant items to the awarded vendor, another contract vendor based on the lowest price quoted, or to acquire the items through a separate solicitation.



SECTION 3 – TECHNICAL SPECIFICATIONS**3.1 SCOPE OF WORK**

Purchase various cast iron water meter boxes, valve boxes, covers and assemblies on an as needed basis.

- Cast Iron (CI) Boxes and Covers for Meters and Valves
- Valve Boxes and Covers
- Cast Iron (CI) Manholes and Covers
- Steel Cover Plates and Assemblies

3.2 CASTING REQUIREMENTS

1. All cast iron items shall be as manufactured by U.S. Foundry and Manufacturing Co., Neenah Foundry Co. or approved equal.
2. The quality of materials used in the manufacture of the cast iron castings shall conform to ASTM Standard A-159, "Gray Iron Castings", for Class 30 Iron.
3. Castings shall be of uniform quality, free from blowholes, porosity, hard spots, shrinkage cracks, warping or other defects. Castings shall be boldly filleted at angles and arises perfect. All castings shall be manufactured true to pattern with component parts and shall be smooth and well cleaned by blasting. Castings shall be supplied without any surface coatings.
4. Covers shall bear for their full edge and length on the frame or box. Castings with only portions of the cover edge bearing on the supporting structure are not acceptable.
5. The thickness of covers shall be consistent throughout the castings so that when the covers are in place, the top surfaces are level with the frame of the box.

3.3 CASTING SPECIFICATIONS

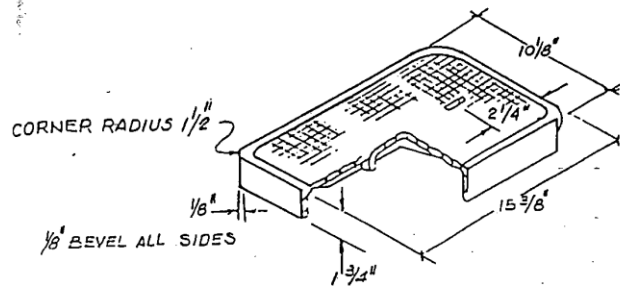
1. Up to 4 inches, $\pm 1/32$ inch; 4 to 8 inches, $\pm 3/64$ inch; 8 to 12 inches, $\pm 1/16$ inch; 12 to 24 inches, $\pm 1/8$ inch; above 24 inches, add the appropriate, (minimum), value from those given above to $\pm 1/8$ inch. Note that this shall not affect the requirements that mating surfaces shall be machined and shall bear for their full length. Components shall be interchangeable with new and existing units without exceeding the tolerance adds up specified above.
2. Weight of the castings supplied shall not vary more than ± 5 percent from the certified weight supplied by the successful Bidder(s) as a part of their shop drawings.
3. The phrase "manufacturer's name permanently marked" as used elsewhere herein shall be replaced with "foundry's name, (and if not domestically produced, foundry's name and Country), cast permanently marked on the bottom and shall have two (2) pickholes placed 180 degrees apart. Note that this shall be the name of the actual foundry doing the casting. Name of an importing, purchasing or fabricating from components firm will not be acceptable. Methods of attaching this information other than casting are not acceptable.

4. With the shop drawings of each component, the Bidder shall submit the name, address and country of the foundry producing the components. Further, this foundry shall not be changed without the previous written notification of permission from the Chief, Engineering Division of the Miami-Dade Water & Sewer Department.

3.4 METER BOXES AND COVER MARKINGS

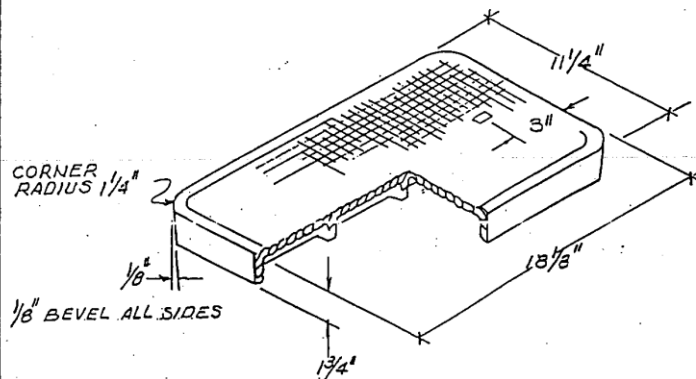
1. All cast iron covers for the meter boxes shall have the words "WATER METER" plus the manufacturer's name permanently marked on the top surface of the lid or cover.
2. The letter size may range from 3/8" to 3/4" with the larger size lids or covers having the larger size letters.
3. The letters on the lids or covers shall be slightly raised.
4. Covers shall have a non-skid surface pattern.
5. Covers and boxes shall have machined mating surfaces so that mating parts will not rattle or rock under traffic.
6. The pick holes in the reading lids shall be 1 inch by 1/4 inch, with the longer dimension perpendicular to the hinge axis.





STYLE 36T
CAST IRON COVER
(10 1/2" x 17 1/4" METER BOX)

NOTE:
LIFTING HOLES ARE 1/4" x 1"
WEIGHT - MAX. 27 LBS.
MIN. 22 LBS. (19 lb)

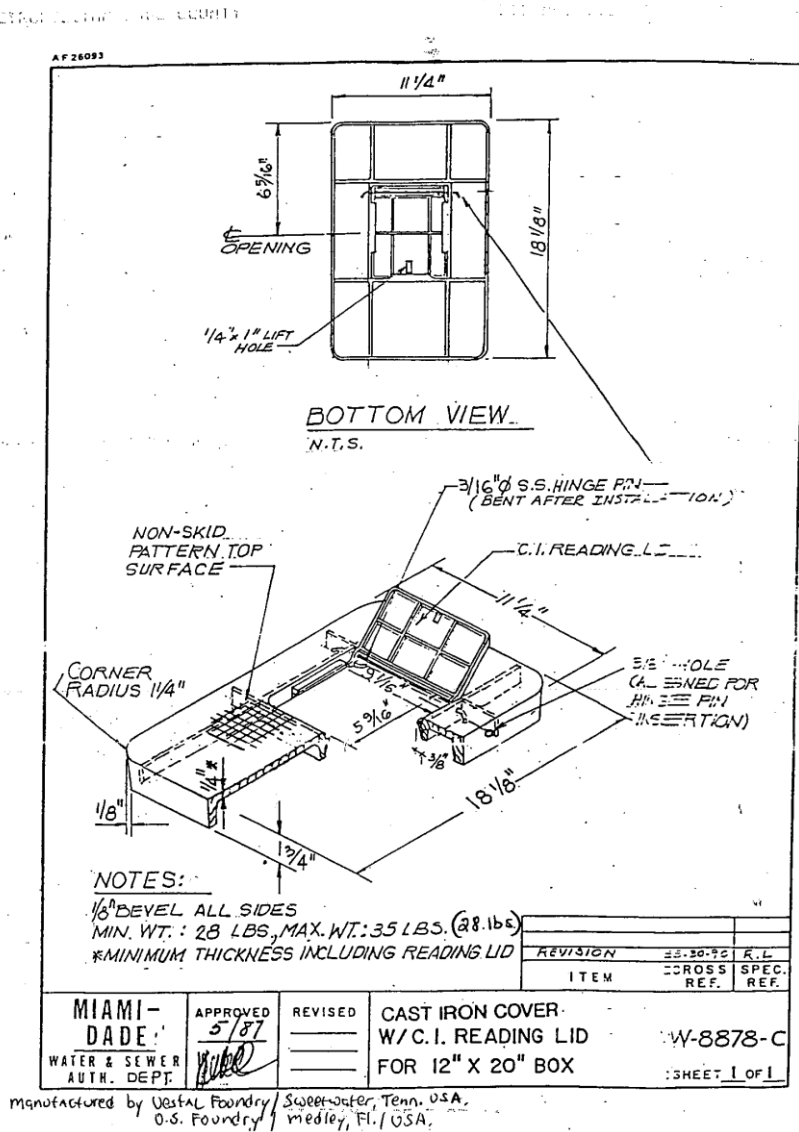


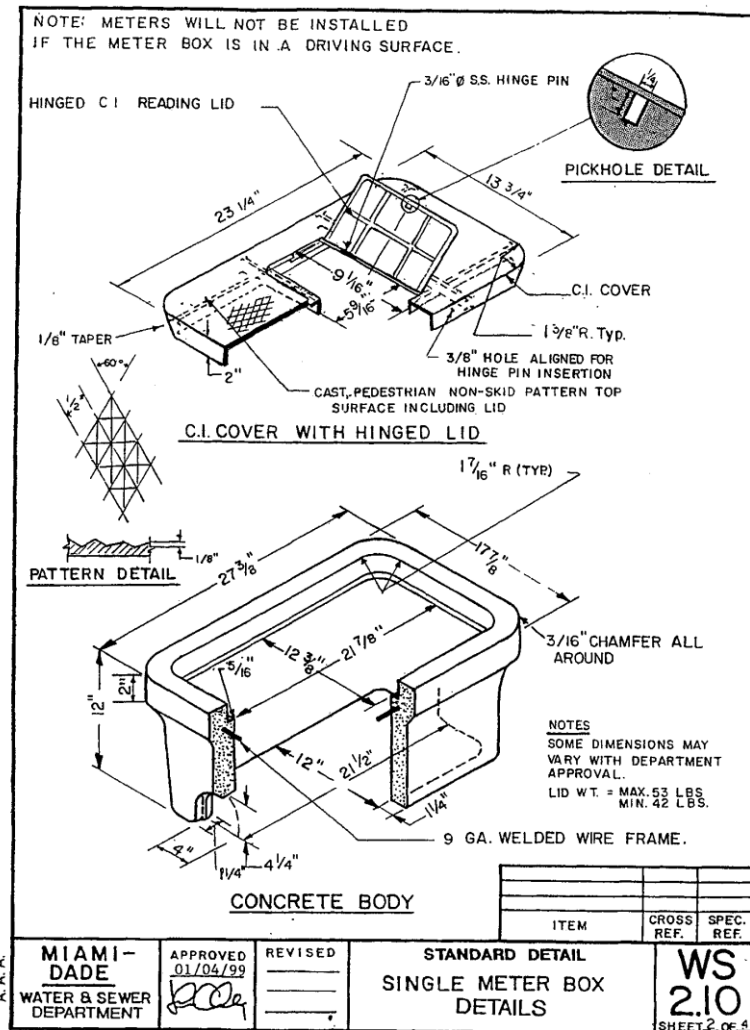
MIN. WT.
27 LBS.

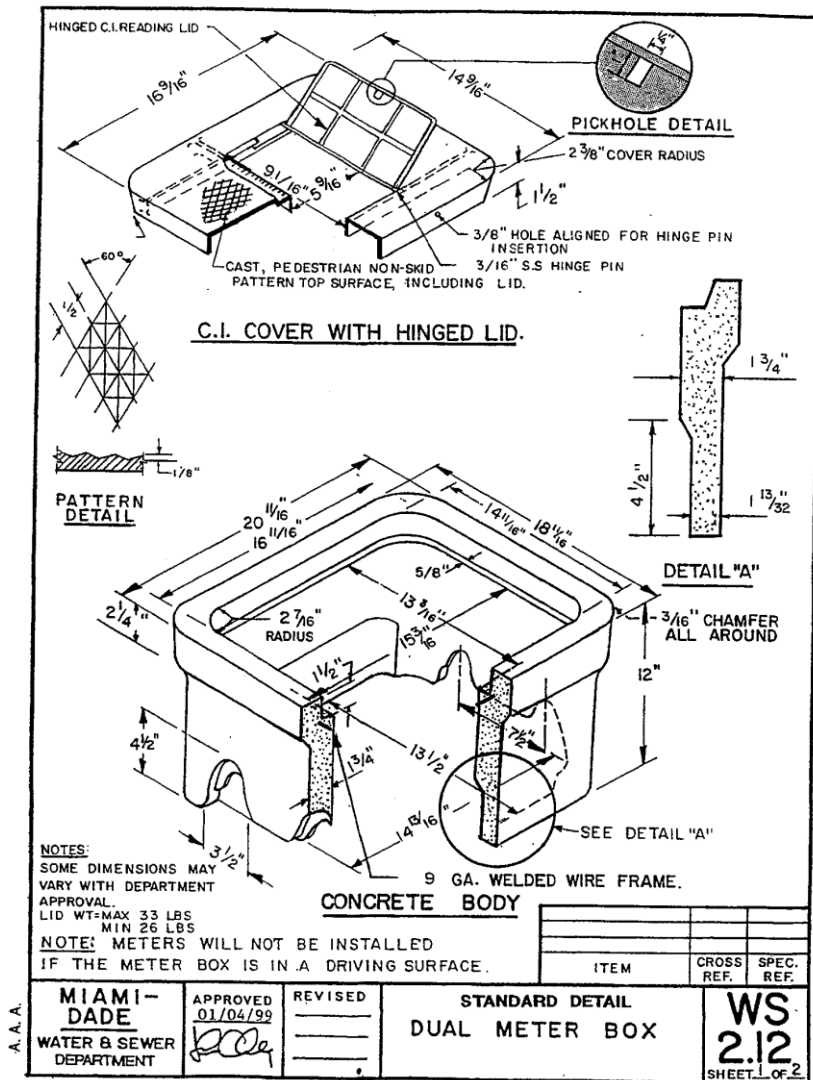
STYLE 37T
CAST IRON COVER
(12" x 20" METER BOX)

MANUFACTURED BY Vastal Foundry / Sweetwater, Tenn. USA.
US Foundry / Medley, FL. / U.S.A.
VCL Foundry / CALCUTTA, India
DIAGRAM PAGE 2 OF 14

5-30-94	REVISION	R.
CAST IRON COVERS		
10 1/2" x 17 1/4" BOX (3/4" METER)		
12" x 20" BOX (1" METER)		
MIAMI-DADE		
WATER AND SEWER AUTHORITY		
DATE MAY 30, 1990	SCALE N. T. S.	
REVISION	W-8446-C	







CI No 2 Valve Box Bodies per Drawing No. WS-3.10
CI No. 2 Valve Box Covers per Drawing No. WS-3.10
CI No. 3 Valve Box Bodies per Drawing No. WS-3.
CI No. 3 Valve Box Covers per Drawing No. WS-3.11
CI No. 52 valve box bodies per Drawing No. SS-12.0
CI No. 52 valve box covers per Drawing No. SS-12.0
CI No. 53 valve box bodies per Drawing No. SS-13.0
CI No. 53 valve box covers per Drawing No. SS-13.0
CI Frames (equal to USF NO. 260 Ring) per USF Drawing No. A3792
CI Type "A" Manhole Cover per drawing no SS 4.0
CI Type "A" Manhole Frame per Drawing No. SS 4.0
CI frames (equal to USF NO. 420 Ring) per USF Drawing No. USF 420
CI frames (equal to USF NO. 440 Ring) per USF Drawing No. A1513
CI frames (equal to USF NO. 465 Ring) per USF Drawing No. A465
CI frames (equal to USF NO. 485 Ring) per USF Drawing No. A3796
Standard 2' x 4' Steel Cover Plates per Drawing No WS 2.17
Standard 34" x 34" Steel Cover Plate per Drawing No. WS 3.15
17-1/2" x 30-1/2" Steel Cover Assemblies for No. 66-S Concrete Meter Box per Drawing No WS 3.15

Commented [WL(2): Please provide all drawings and please provide quantities each if avail.