



TOWN OF RIVERHEAD
Sean M. Walter, Supervisor

200 Howell Avenue
Riverhead, New York 11901-2596
631-727-3200

BID #RWD-2016-20A

**BID FOR: SENSUS WATER METERS & ACCESSORY EQUIPMENT,
OR REASONABLE EQUIVALENT**

BIDDERS NAME

BIDDERS ADDRESS

CITY, STATE, ZIP

PHONE NUMBER

E-MAIL ADDRESS

DATE

In compliance with your advertisement for bids to be opened on **February 12, 2016**, subject to all conditions thereof, the undersigned hereby proposes to furnish the item(s) and/or service(s) itemized in this proposal in accordance with the Notice to Bidders, General Information Agreement and Specifications contained herein on the Bid Proposal Form attached.

Bidder certifies that the prices quoted herein do not include Federal Excise Tax or any Federal, New York State or City Sales Tax and are not higher than prices charged to any governmental or commercial consumer for like merchandise and/or service; and all prices include shipping and freight charges to any Municipal building or site within the Town of Riverhead.

Respectfully submitted,

SIGNED BY

TITLE

BIDDERS ARE INVITED TO ATTEND BID OPENING

**TOWN OF RIVERHEAD
NOTICE TO BIDDERS**

Sealed bids for the purchase of **SENSUS WATER ACCESSORY EQUIPMENT, OR REASONABLE EQUIVALENT**, for use by the RIVERHEAD WATER DISTRICT will be received by the Town Clerk of the Town of Riverhead at Town Hall, 200 Howell Avenue, Riverhead, New York, 11901, until **11:00 a.m.** on **February 12, 2016**, at which time all bids shall be opened and read aloud.

Bid Specifications and/or Plans may be obtained by visiting the Town of Riverhead website at www.townofriverheadny.gov on or after **January 28, 2016**. Click on "Bid Requests" and follow the instructions to register.

All bids are to be submitted in a sealed envelope bearing the designation **BID #RWD-2016-20A – SENSUS WATER METERS & ACCESSORY EQUIPMENT, OR REASONABLE EQUIVALENT**. All bids must be submitted on the bid form provided in the bid document. Any and all exceptions to the Specifications must be listed separately and enclosed in an envelope bearing the designation "**EXCEPTIONS TO BID SPECIFICATIONS FOR SENSUS WATER METERS OR REASONABLE EQUIVALENT**".

NOTE: Bid responses must be delivered to the Office of the Town Clerk at 200 Howell Avenue, Riverhead, New York, 11901, on or before February 12, 2016 at 11:00 a.m. The Town may decline to accept, deem untimely and/or reject any bid response/proposal that is not delivered to the Office of the Town Clerk.

The Town Board reserves the right and responsibility to reject any or all bids or to waive any formality if it believes such action to be in the best interest of the Town.

BY ORDER OF THE TOWN BOARD
OF THE TOWN OF RIVERHEAD

DIANE M. WILHELM, Town Clerk

GENERAL SPECIFICATIONS

GENERAL

Bidders shall be responsible to carefully examine the Specifications enclosed.

Bidders shall furnish their price and/or lump sum bid as called for on the Bid Proposal Sheet(s) attached.

Alternates of equal or superior design and/or quality shall be listed separately and a Manufacturer's Specification Sheet shall be submitted with a bid. Failure to submit such data may result in the disallowing of said bid.

The equipment and all associated components shall be furnished complete and ready for use. The equipment furnished shall be the Manufacturer's latest listed and published model, or models which meet all the applicable requirements of these Specifications. These Specifications require the doing of all things necessary, or proper for or incidental to, the furnishing and delivery of said equipment and associated components.

All things not expressly mentioned in these specifications, but involved in carrying out their intent are required by these Specifications; and the vendor shall perform the same as though they were specifically mentioned, described and delineated.

COMPLIANCE WITH RULES AND REGULATIONS

The unit and associated equipment furnished shall comply with all provisions which would be applicable, if the Town of Riverhead were a private corporation of Federal and State of New York Laws, Ordinances, Codes, Rules, Regulations, Orders, Permits and Licenses and with fire underwriters requirement, except that where the weight and dimensions requirements set forth herein exceed such provisions, these Specifications shall control.

In January, 2011, **Senate Bill 3874** was signed into law and created the **Reduction of Lead in Drinking Act**, which amended the Safe Drinking Water Act to reduce the allowable lead content in all products in contact with drinking water from 8.0% to 0.25% (weighted average). Therefore, any brass products must meet the no-lead compliance pursuant to the above.

DEVIATION

Minor deviations from the provisions of these Specifications will be considered to permit manufacturers to follow their standard manufacturing process.

Such deviations will be approved only in the sole discretion of the Town of Riverhead and only if, in its opinion, they do not adversely affect the operation, maintenance, strength, efficiency, effectiveness, or life of the unit or any of its parts.

All proposed minor deviations, with full details, must be listed on a separate Detail Sheet, which must be attached to and made part of this bid.

The Town of Riverhead reserves the absolute right in its sole discretion to accept that bid, if any, which under all circumstances will best serve the public interest.

COMPANY NAME _____
Riverhead Water District

GUARANTEE

The vendor warrants and guarantees the equipment herein specified, including all associated equipment furnished, against any defects in design, workmanship and materials, and against failure to operate satisfactorily.

PRICES

If a like or lower quantity of a standard item contained in this bid is sold by a vendor at a price less than the prices quoted herein, the price to the Town of Riverhead shall be reduced to that lower price.

QUANTITY

The Town of Riverhead is in no way obligated to purchase quantities neither shown nor limited to the quantities listed.

CONTRACT PERIOD

The contract period shall commence the date a resolution is adopted by the Town Board and shall run for a period of **six (6) months** from that date. At the termination of this contract, the contract may be extended (not to exceed two extensions) for a total three- (3) six-month contracts at the sole discretion of the Town of Riverhead and with the consent of the vendor(s).

RESERVATIONS

The mention in the specifications of any unit, component, or equipment by brand name and/or model is meant to convey to the potential bidder the type and quality of the product required and desired by the Town. Any unit, component, or equipment which is of equal type and quality may be considered as such and may be acceptable to the Town, upon agreement by the Town Board to that fact. The decision of the Town Board, however, in such a circumstance is final.

Bids submitted shall remain in effect for forty-five (45) days past the date of bid expiration.

Furthermore, the Town Board of the Town of Riverhead reserves the right and responsibility to reject any or all bids if they believe such action to be in the best interest of the Town.

DELIVERY

Delivery is to be made within **30 DAYS** after receipt of an order via purchase order. All equipment delivered shall be delivered "on the ground" at the delivery point designated on the purchase order. All prices are F.O.B.

FUEL SURCHARGES

The Town of Riverhead will not pay any type of fuel surcharge. Any fuel charges added will be deleted from any invoices to be paid to the vendor.

SHIPPING & HANDLING CHARGES

The Town of Riverhead will not be responsible for paying any type of fees associated with shipping and handling charges.

ATTENTION

BIDDERS

IF YOU ARE NOT INTERESTED IN BIDDING THIS PARTICULAR PROJECT, PLEASE COMPLETE THE FOLLOWING SHEET AND RETURN IT TO US.

WE ARE VERY INTERESTED IN LEARNING WHY YOU DO NOT BID. IF YOU SELL OTHER PRODUCTS AND WANT TO BE ON OUR BIDDER'S LIST, PLEASE LET US KNOW. PROVIDE A CONTACT NAME AND OTHER PERTINENT INFORMATION IF YOU WISH TO BE CONTACTED AT A LATER DATE FOR ANOTHER PRODUCT.

**BID #RWD-2016-20A
SENSUS WATER METERS & ACCESSORY EQUIPMENT,
OR REASONABLE EQUIVALENT**

NON-BIDDER'S RESPONSE

VENDOR NAME: _____

For purposes of facilitating your firm's response to our invitation to bid, the Town of Riverhead is interested in ascertaining reasons for prospective bidders' failure to respond to invitations to bid. If your firm is not responding to this bid, please indicate the reason(s) by checking the appropriate item(s) below and returning this form to the Town of Riverhead Purchasing department at 200 Howell Ave., Riverhead, N.Y. 11901.

We are not responding to this invitation to bid for the following reason(s):

___ Items or materials requested not manufactured by us or not available to our company.

___ Our items and/or materials do not meet specifications.

___ Specifications not clearly understood or applicable (too vague, too rigid, etc.)

___ Quantities too small.

___ Insufficient time allowed for preparation of bid.

___ Incorrect address used.

Correct address is: _____

Other reason(s): _____

Corporation: _____

(PRINT CORPORATION NAME)

By: _____

(SIGNATURE)

(TITLE)

COMPANY NAME _____
Riverhead Water District

NON-COLLUSIVE CERTIFICATE

(MUST BE COMPLETED, SIGNED, NOTARIZED AND RETURNED WITH BID)

UNDER PENALTIES OF PERJURY:

_____(BIDDER), BEING DULY SWORN,
DEPOSES AND SAYS:

- A) This bid or proposal has been independently arrived at without collusion with any other bidder or with any competitor or potential competitor;
- B) This bid or proposal has not knowingly been disclosed, prior to the opening of bids or proposals for this project, to any other bidder, competitor, or potential competitor;
- C) No attempt has been made or will be made to induce any other person, partnership, or corporation to submit or not to submit a bid or proposal;
- D) The person signing this bid or proposal certifies that he has been fully informed regarding the accuracy of the statements contained in this certification, and under penalties of perjury, affirms the truth thereof, such penalties being applicable to the bidder as the person signing on its behalf; and
- E) That the attached hereto (if a corporate bidder) is a certified copy of a resolution authorizing the execution of this certificate by the signatory of this bid or proposal on behalf of the corporate bidder.

Corporation: _____
(PRINT CORPORATION NAME)

By: _____
(SIGNATURE)

(TITLE)

Address: _____

Sworn to before me this

_____ day of _____, 20_____

NOTARY PUBLIC

IRAN DIVESTMENT ACT CERTIFICATION

As a result of the Iran Divestment Act of 2012 (Act), Chapter 1 of the 2012 Laws of New York, a new provision has been added to the State Finance Law (SFL), § 165-a, effective April 12, 2012. Under the Act, the Commissioner of the Office of General Services (OGS) will be developing a list (prohibited entities list) of “persons” who are engaged in “investment activities in Iran” (both are defined terms in the law). Pursuant to SFL § 165-a(3)(b), the initial list is expected to be issued no later than 120 days after the Act’s effective date, at which time it will be posted on the OGS website.

By submitting a bid in response to this solicitation or by assuming the responsibility of a Contract awarded hereunder, Bidder/Contractor (or any assignee) certifies that once the prohibited entities list is posted on the OGS website, it will not utilize on such Contract any subcontractor that is identified on the prohibited entities list.

Additionally, Bidder/Contractor is advised that once the list is posted on the OGS website, any Contractor seeking to renew or extend a Contract or assume the responsibility of a Contract awarded in response to the solicitation, must certify at the time the Contract is renewed, extended or assigned that it is not included on the prohibited entities list.

During the term of the Contract, should the TOWN OF RIVERHEAD receive information that a person is in violation of the above-referenced certification, the TOWN OF RIVERHEAD will offer the person an opportunity to respond. If the person fails to demonstrate that it has ceased its engagement in the investment which is in violation of the Act within 90 days after the determination of such violation, then the TOWN OF RIVERHEAD shall take such action as may be appropriate including, but not limited to, imposing sanctions, seeking compliance, recovering damages, or declaring the Contractor in default.

The TOWN OF RIVERHEAD reserves the right to reject any bid or request for assignment for an entity that appears on the prohibited entities list prior to the award of a contract, and to pursue a responsibility review with respect to any entity that is awarded a contract and appears on the prohibited entities list after contract award.

Signature: _____

Print Name: _____

Title: _____

Company Name: _____

Date: _____

BID SPECIFICATIONS FOR SENSUS WATER METERS & ACCESSORY EQUIPMENT, OR REASONABLE EQUIVALENT

PLEASE READ CAREFULLY

FlexNet SmartPoint M2 RADIO TRANCEIVERS

DESCRIPTION

The FlexNet SmartPoint M2 is a radio transceiver that provides water utilities inbound and outbound access to water measurement and ancillary device diagnostics via radio signal. With its migratable, two-way communication ability, the M-Series SmartPoint functions as a walk-by/drive-by endpoint, fixed base endpoint or a combination of the two. This flexibility increases utility data collection and streamlines operations. The M2-series comes in two (2) models – Model 510M Non-Pit set and Model 520M Pit Set. Both models should be able to interface with an encoded meter via touchcoupler design and connect to the meter using existing two-wire AMR installations rather than to access the meter to install a new three-wire system.

SPECIFICATIONS

Model 510M – Non-Pit Set

SERVICE	Wall mounted (non-pit/non-sub- mersible) installation interfacing the utility meter to the Sensus FlexNet system.
PHYSICAL CHARACTERISTICS	Width: 5 9/16" x Height: 5 1/2" x Depth: 3"
WEIGHT	1.13 lbs/18.08 oz
COLOR	Tan
FREQUENCY RANGE	900 – 950 MHz, 8000 channels X 6.25 kHz steps
MODULATION	Proprietary Narrow Band
MEMORY	Non-Volatile
POWER	Lithium Thionyl Chloride batteries
APPROVALS	US: FCC CFR 47: Part 90, Part 24D, Part 101C, Part 15 Licensed operation Canada: Industry Canada (IC) RSS-134, RSS-119, RSS-210
OPERATING TEMPERATURE	- 22° F to +185° F - 30° C to + 85° C
OPTIONS	Dual or single port availability; TouchCoupler only, wired only
INSTALLATION ENVIRONMENT	The 510M is designed for side-of-home applications where it is not subject to submergence.
COMPATIBILITY	TouchCoupler and Wired Version: Sensus Encoded Registers Badger ADE water registers and MasterMeter AccuLinx Wired Version Only: Elster Encoder (Sensus protocol) and Neptune ARB VI (ProRead). Hersey Translator
WARRANTY	20 years – Based on six transmissions per day. Refer to Sensus G-500 for warranty.

Model 520M – Pit Set

SERVICE	Pit set installation interfacing the utility meter to the Sensus FlexNet system. Unit requires 1.75" diameter hole in pit lid; fits pit lid thicknesses up to 1.75"
PHYSICAL CHARACTERISTICS	Width: 4.43" x Height: 5.09" x Depth: 3"
WEIGHT	1.0 lbs/16.0 oz
COLOR	Black
FREQUENCY RANGE	900 – 950 MHz, 8000 channels X 6.25 kHz steps
MODULATION	Proprietary Narrow Band
MEMORY	Non-Volatile
POWER	Lithium Thionyl Chloride batteries
APPROVALS	US: FCC CFR 47: Part 90, Part 24D, Part 101C, Part 15 Licensed operation Canada: Industry Canada (IC) RSS-134, RSS-119, RSS-210
OPERATING TEMPERATURE	- 22° F to +185° F - 30° C to + 85° C
OPTIONS	Dual or single port availability; TouchCoupler only, wired only, Nicor connection
INSTALLATION ENVIRONMENT	100% condensing, water submersible
COMPATIBILITY	TouchCoupler and Wired Version: Sensus Encoded Registers Badger ADE water registers and MasterMeter AccuLinx Wired Version Only: Elster Encoder (Sensus protocol) and Neptune ARB VI (ProRead). Hersey Translator
WARRANTY	20 years – Based on six transmissions per day. Refer to Sensus G-500 for warranty.

OMNI F² FIRELINE BYPASS RETROFIT METER SPECIFICATIONS SENSUS METERING SYSTEMS OR REASONABLE EQUIVALENT

DESCRIPTION

The Omni F² Fireline Bypass Retrofit meter is based on either a 1 ½" or 2" Omni F² meter with advanced floating ball technology, designed and approved to be used for W-Series compact and standard fireline bypass meter assemblies.

CONFORMANCE TO STANDARDS

The meter package shall meet or exceed all requirements of ANSI/AWWA Standard C703. Each meter shall be performance tested to ensure compliance.

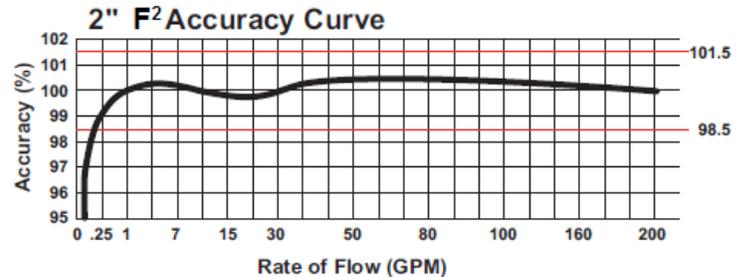
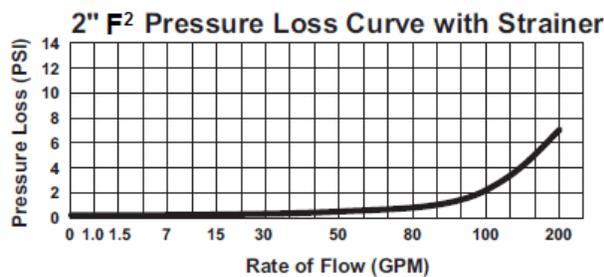
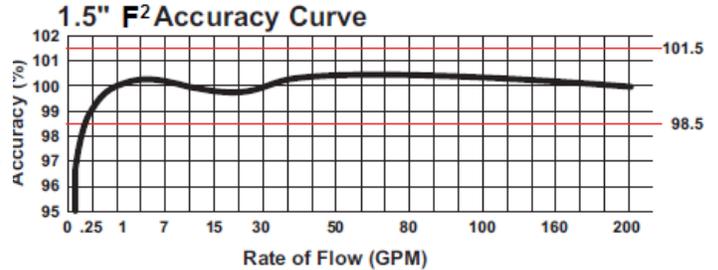
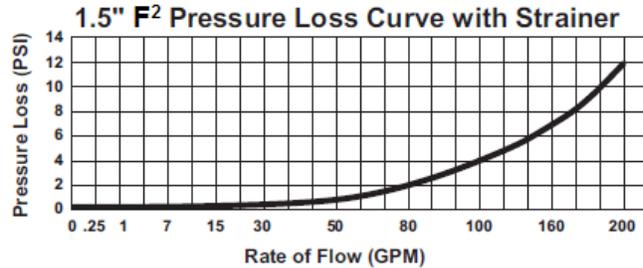
PERFORMANCE

The meter assemblies shall have performance capability of continuous operation up to the rated maximum flows as listed below without affecting long-term accuracy or causing any undue component wear. All meter assemblies shall also have a 25% flow capacity in excess of the maximum flows listed for intermittent flow demands. Maximum headloss through the meter assemblies shall not exceed those listed in the following tables per meter size.

MEASUREMENT AND FLOW RATES

Meter Size	Normal Operating Range	Low Flow	Maximum Intermittent Operation	Connections	A	B	C	D	E	F	G	H
1 1/2"	0.5 - 200 gpm (0.11-45 m ³ /hr)	0.25 gpm	200 gpm	Flange	10" 254mm	7.8" 198mm	1" 25mm	5.1" 130mm	2.3" 58mm	4" 102mm	2	1/2"
2"	0.5 - 200 gpm (0.11-45 m ³ /hr)	0.25 gpm	200 gpm	Flange	10" 254mm	7.8" 198mm	1.1" 28mm	5.5" 140mm	2.3" 58mm	4.5" 114mm	2	5/8"

HEADLOSS CURVES



MAGNETIC DRIVE

The meter's registration is achieved by utilizing a fully magnetic pickup system. This is accomplished by the magnetic actions of the embedded rotor magnets and sensitive register pickup probe.

REGISTERS

Registers shall consist of a hermetically sealed register with an electronic pickup containing no mechanical gearing. Large character LCD shall display AMR, totalization and a resettable test totalizer. Registers shall include AMR resolution units that are fully programmable; data logging capabilities; large, easy-to-read LCD that displays both forward and reverse flow directions and a 10-year battery live guarantee

RETROFIT METER HARDWARE

One (1) 1 1/2" or 2" Omni F² Fireline Bypass Retrofit Meter (size must be the same as existing bypass meter size) kit shall include flange gaskets and installation hardware.

One (1) (optional) – Epoxy coated spacer (with gasket and installation hardware)

- Spacer supplied only if replacing a flanged SR meter bypass assembly.

All hardware is to be 304 stainless steel with 316 stainless steel hardware available upon request.

iPERL WATER MANAGEMENT SYSTEM FIRE SERVICE OR REASONABLE EQUIVALENT

DESCRIPTION

UL listed ¾" (DN 20mm) and 1" (DN 25mm) sizes with no moving parts which has an operating range as low as 0.03 gpm (0.007 m³/hr) to 55 gpm (12.5 m³/hr).

CONFORMANCE TO STANDARDS

Water management system fire service shall meet or exceed all requirements of ANSI/AWWA Standard C-700 and C-710 for accuracy and pressure loss requirements. The meter shall be compliant with NSF/ANSI Standard 61 Annex F and G and tested to AWWA standards.

REGISTER

The register must be an electronic device encapsulated in a gasket with nine (9) programmable digits utilizing a liquid crystal display (LCD). It will have indicators for flow direction, empty pipe, battery life and unit of measurement. The register must be hermetically sealed with a heat tempered glass cover and be tamper-resistant. The register shall not be removable from the measuring sensor. The register shall utilize a magnetic coupling technology to connect to a touch read, radio read or fixed base meter reading system in either an inside or pit set installation.

MEASURING ELEMENT

The measuring element shall be made of a noncorrosive, lead-free glass fiber reinforced, composite alloy material. A battery powered magnetic flow sensor utilizing silver/silver chloride electrodes will be utilized to measure the velocity of the water which is linearly proportional to the volume. The measuring element will have no moving parts and will be specific for each size.

EXTERNAL HOUSING

The register and measuring element will be an integrated unit housed within a thermal plastic external casing. This integrated unit will not be removable from the external housing. The systems shall have the size and direction of water flow through the system imprinted on the external housing.

PRESSURE CAPABILITY

System shall operate up to a working pressure of 175 pounds per square inch (psi), without leakage or damage to any parts. The accuracy shall not be affected by variation of pressure up to 175 psi.

PERFORMANCE WARRANTIES

In evaluating bid submittals, warranty coverage will be considered. All bidders are required to submit their most current nationally published warranty statements for water meter maincases, registers and measuring chambers.

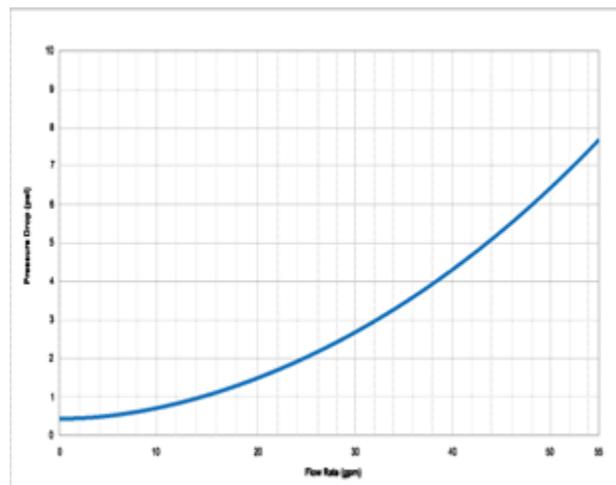
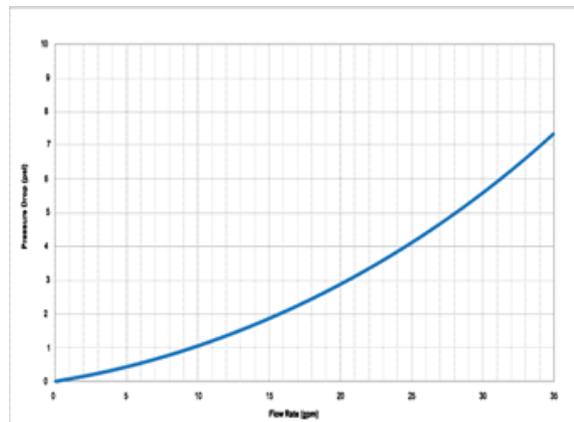
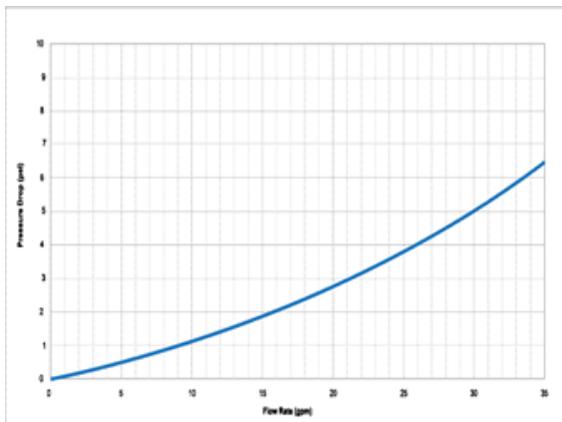
DIMENSIONS AND NET WEIGHTS

Size	A (lay length)	B	C	Spud Ends	NPSM Thread Size	Width	Net Weight
3/4" S (DN 20 mm)	7-1/2" (190 mm)	6-1/10" (155 mm)	1-3/4" (44 mm)	3/4" (20 mm)	1" (25 mm)	4-1/2" (114 mm)	3.1 lb. (1.4 kg)
3/4" (DN 20 mm)	9" (229 mm)	6-1/10" (155 mm)	1-3/4" (44 mm)	3/4" (20 mm)	1" (25 mm)	4-1/2" (114 mm)	3.2 lb. (1.5 kg)
1" (DN 25 mm)	10-3/4" (273 mm)	6-1/10" (155 mm)	1-3/4" (44 mm)	1" (25 mm)	1-1/4" (32 mm)	4-1/2" (114 mm)	3.3 lb. (1.6 kg)

OPERATING CHARACTERISTICS

METER SIZE	LOW FLOW (95% Min)	OPERATING RANGE (98.5%-101.5%)	PRESURE LOSS (Not to Exceed)
3/4" S	0.03 gpm	0.11 to 35 gpm	2psi @ 15 gpm
3/4"	0.03 gpm	0.00 to 35 gpm	2psi @ 15 gpm
1"	0.11 gpm	0.4 to 55 gpm	2psi @ 25 gpm

HEADLOSS CURVES



CERTIFICATIONS AND MARKING

All meter packages shall be UL (Underwriters Laboratories) Listed approved as being accepted for use on fire service lines and domestic water use. For such applications, the meter shall be identified indicating such acceptance.

**FLEXNET COMMANDLINK
OR REASONABLE EQUIVALENT**

DESCRIPTION

Hand-held, electronic tool permitting on-site wireless installation, interrogation and programming of FlexNet® water SmartPoints. The high-impact, injection-molded plastic device has an elastic strap and AC/DC charger. The unit is powered by three (3) “AA” rechargeable or Energizer-brand disposable NH-15AA batteries. Charge time is approximately four (4) hours. The device utilizes a liquid crystal display (LCD), power, Bluetooth communication and charging indicators.

CONFORMANCE STANDARDS

CommandLink complies with FCC Part 15, FCC Part 15 Class B and Canadian ICES-003 requirements.

BID PROPOSAL SHEET
BID #RWD-2016-20A
SENSUS WATER METERS & ACCESSORY EQUIPMENT,
OR REASONABLE EQUIVALENT

****ALL BRASS ITEMS (IF ANY) BID MUST BE “NO-LEAD” PURSUANT
TO THE *REDUCTION OF LEAD IN DRINKING WATER ACT*
(SENATE BILL 3874 SIGNED JANUARY, 2011)****

<u>ITEM #</u>	<u>ITEM DESCRIPTION</u>	<u>NET DELIVERED PRICE</u>	
		TOUCH COUPLER VERSION	WIRED VERSION
1.	MXU 510M, Non-Pit Installation, Single Port	\$_____	\$_____
2.	MXU 510M, Non-Pit Installation, Dual Port	\$_____	\$_____
3.	MXU 520M, Pit Installation, Single Port	\$_____	\$_____
4.	MXU 520M, Pit Installation, Dual Port	\$_____	\$_____
5.	1.5” Omni F ² Fireline Bypass Retrofit Meter		\$_____
6.	2” Omni F ² Fireline Bypass Retrofit Meter		\$_____
7.	Epoxy Coated Spacer for 1.5” Omni F ² Fireline Bypass Retrofit Meter		\$_____
8.	Epoxy Coated Spacer for 2” Omni F ² Fireline Bypass Retrofit Meter		\$_____
9.	¾” iPERL Water Management System Fire Service		\$_____
10.	1” iPERL Water Management System Fire Service		\$_____
11.	FlexNet CommandLink		\$_____

COMPANY NAME _____
Riverhead Water District

I/WE FULLY UNDERSTAND THAT THE ACCEPTANCE OF THIS BID IS SUBJECT TO THE PROVISIONS OF SECTION 103A AND 103B OF THE *GENERAL MUNICIPAL LAW*.

DATE

SIGNATURE OF AGENT/DEALER

PRINTED NAME OF AGENT/DEALER

ADDRESS

CITY, STATE, ZIP CODE

COMPANY NAME _____
Riverhead Water District