

CONTRACTOR'S SUBMITTAL TRANSMITTAL
 LANTDIV NORFOLK 4-4355/3 (Rev. 11-80)

File *For info* *40/2*

CONTRACT NO. 81-C-1766	TRANSMITTAL NO. 70	DATE Jan. 19 1984
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FROM CONTRACTOR
 Trader Construction

TO
 Lockwood Greene/Six Associates

PROJECT TITLE AND LOCATION
 Public Works
 MCB
 Camp Lejeune, N. C.

CONTRACTOR USE ONLY	REVIEWER USE ONLY
<p><i>*List only one specification division per form.</i></p> <p><i>List only one of the following categories on each transmittal form, and indicate which is being submitted</i></p> <p><input type="checkbox"/> Contractor Approved <input type="checkbox"/> OICC Approval <input type="checkbox"/> Deviation/Substitution For OICC Approval</p>	<p>**ACTION CODES</p> <p>A-Approved D-Disapproved AN-Approved as noted RA-Receipt acknowledged. C-Comments R-Resubmit</p>

ITEM NO.	PROJ. SPEC. SECT. & PARA. and/or PROJ. DWG. NO. *	ITEM IDENTIFICATION (Type, size, model no., Mfg. name, dwg. or brochure number)	NO. OF COPIES	ACTION CODES **	REVIEWER'S INITIALS CODE AND DATE
116	02713/4.7	Certificate of Compliance			
		Water Meter, Hersey	7	A	CCM 1-23-84
		Hersey catalog data	7	A	CCM 1-23-84

CONTRACTOR'S COMMENTS

Please Return Four Approved Copies

Copy - Filed

COPY OF TRANSMITTAL AND SUBMITTALS TO ROICC ROICC, Camp Lejeune, N.C.	CONTRACTOR REPRESENTATIVE (Signature) <i>Ms. Dee Stallings</i>
DATE RECEIVED BY REVIEWER 1/12/84	FROM (Reviewer) Six Associates, Inc.
	TO Trader Construction Co.

- Submittals are returned with action indicated. Approval of an item does not include approval of any deviation from the contract requirements unless the contractor calls attention to and supports the deviation.
- Submittals are forwarded to LANTDIV with A-E recommendations indicated in REVIEWER USE ONLY Section and in comments below on **ONE COPY** of the transmittal form.

REVIEWER'S COMMENTS

Jan 30 12 40 PM '84
 RECEIVED
 ROICC JAXNCA

COPIES TO: ROICC (2) ✓ LANTDIV (1) A-E (1)	DATE 1-23-84	SIGNATURE <i>Clay Mooney</i>
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Hersey

PRODUCTS INC. Water Meter & Controls Division
2131 Kingston Ct., S.E., Suite 102, Marietta, Ga. 30067 U.S.A. (404) 952-4424

"It is hereby certified that the (equipment) shown and marked in this submittal, as in compliance with the Contract drawings and specifications, can be installed in the allocated space, and is submitted Government approval.

Certified by D.S.

Date 1-9-84

December 12, 1983

AFFIDAVIT OF COMPLIANCE

The undersigned, Robert L. Bruce, who is duly authorized by Hersey Products Inc., hereby declares that the Hersey Model MMD II, 1-1/2" in size, manufactured by Hersey Products Inc., meet current AWWA Standard AWWA C700.77.

Robert L. Bruce,
District Manager Southeast
Hersey Products Inc.

RLB:rlm

ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511

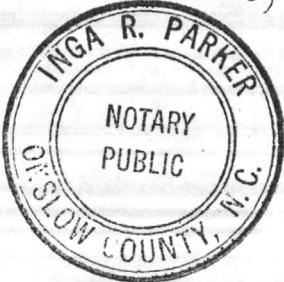
APPROVED
 APPROVED AS NOTED _____
 DISAPPROVED _____

SUBJECT TO THE REQUIREMENTS OF
 CONTRACT NO. 162470-81-C-1766

APPROVAL OF A SUBMITTAL DOES NOT INCLUDE APPROVAL OF ANY DEVIATION FROM THE CONTRACT REQUIREMENTS UNLESS THE CONTRACTOR CALLS ATTENTION TO AND SUPPORTS THE DEVIATION ... THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING PROPER PHYSICAL DIMENSIONS & WEIGHTS, COORDINATION OF TRADES, ETC., AS REQUIRED.

REVIEWER Clay Mooney DATE 1-23-84
 FOR OFFICER IN CHARGE OF CONSTRUCTION

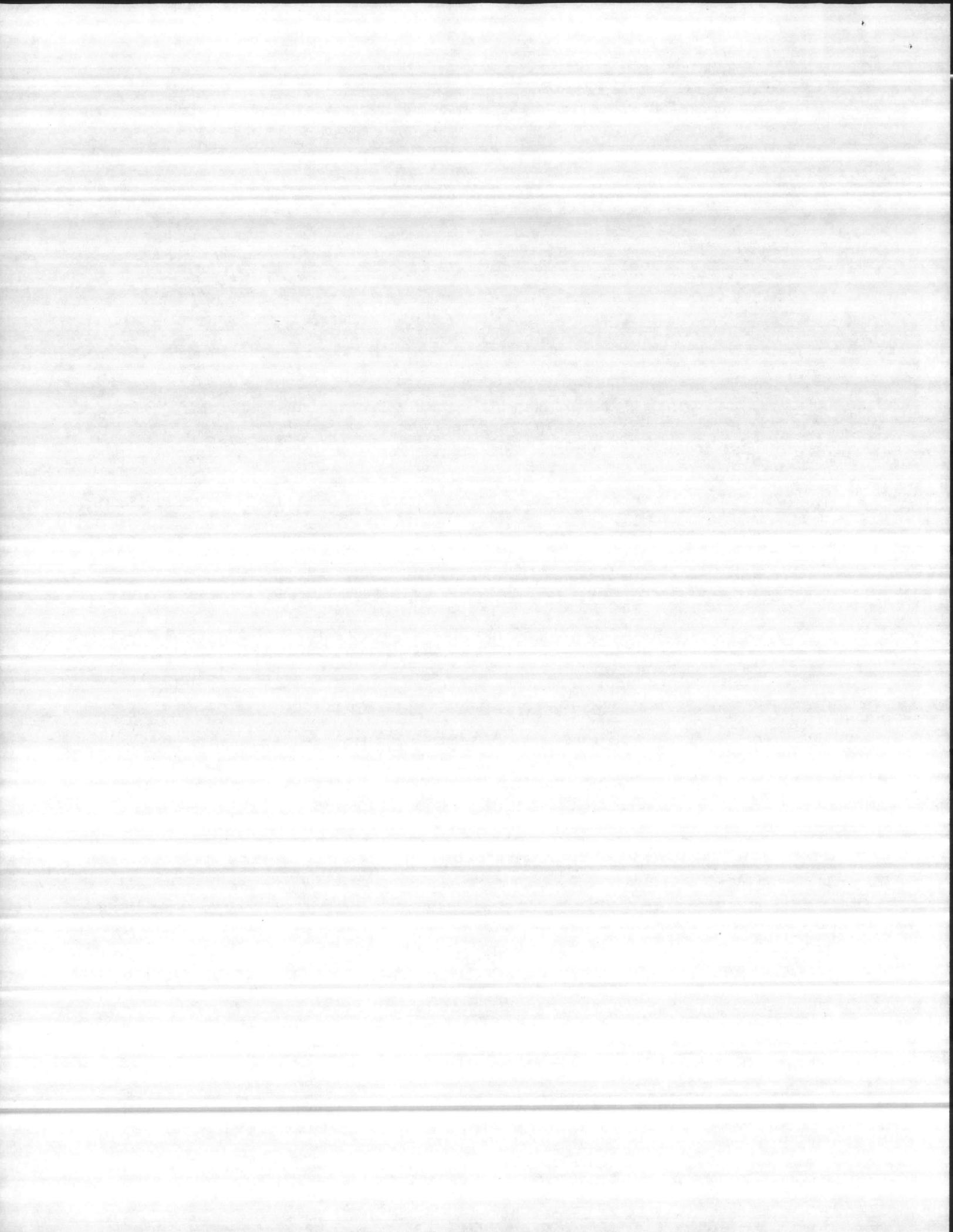
This 27th day of December, 1983.
My Commission Expires July 11, 1988.
Inga R. Parker, Notary Public



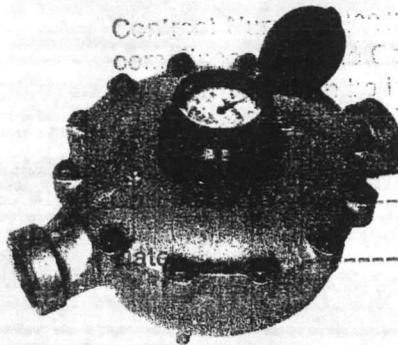
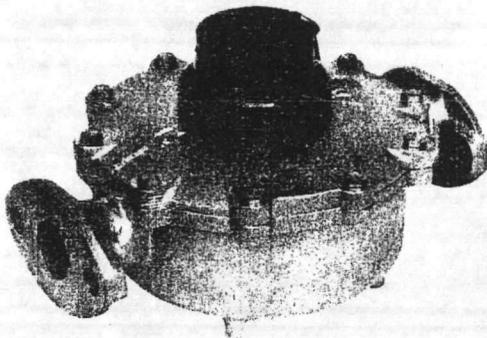
APPROVED SUBJECT TO APPROVAL BY ARCHITECT. SUB-CONTRACTOR AND/OR SUPPLIER WILL BE RESPONSIBLE FOR ALL DIMENSIONS AND QUANTITIES

HUMPHREY'S HEAVENS & ROOFING
2423 N. MARINE BLVD.
JACKSONVILLE, N. C.

DATE 12/27/83 BY B. G. L.



MODEL MMD II — MAGNETIC MODULAR DISC METERS



(Contract No. 11-81C-1766)
 tel is that proposed to be incorporated into
 Contract No. 11-81C-1766
 complete set of correct drawings and
 to be installed in the allocated
 limited Government

D.S.
 1-9-84

DESCRIPTION

The new MMD II sizes 1-1/2" and 2" both feature a threaded bottom case into which the casing bolts can be secured. This will eliminate the need for casing nuts.

These are modular magnetic drive, positive displacement, cold water meters. They have a one-piece conical shaped, reinforced rotating disc piston which is made of vulcanized hard rubber. This piston rotates a permanent ceramic magnet. In a separate chamber, located on the meter top case, an opposing magnet actuates the gear train and register. As the compartment is completely separated from the waterway and is hermetically sealed the gear train and register is protected from water intrusion.

The Perma-Seal register is permanently hermetically sealed between a glass dome and metal housing. This assembly includes durable self-lubricating gears and stainless steel shafts which assure virtually no wear after years of service.

The Perma-Seal register is protected by a high impact resistant plastic register box and lid. An optional bronze register box and lid with a glass lens is also available. The bronze register box and lid enables the utility personnel to easily reset the register.

Registers are available with center sweep hand, straight reading indicating cubic feet U.S. gallons, cubic meters.

MMD II meters are equipped with three-piece bronze measuring chambers consisting of a chamber ring, removable top and bottom plates secured with stainless steel screws. The stainless steel division plate or diaphragm is held in place by slots in the chamber ring and top plate. These meters are equipped with strainers which have an effective straining area more than double that of the inlet of the meters.

Both the 1-1/2" and 2" sizes are available with female threaded ends, male threaded ends or 2-bolt flanged ends.

These meters comply with all performance and material standards of NEWWA and AWWA.

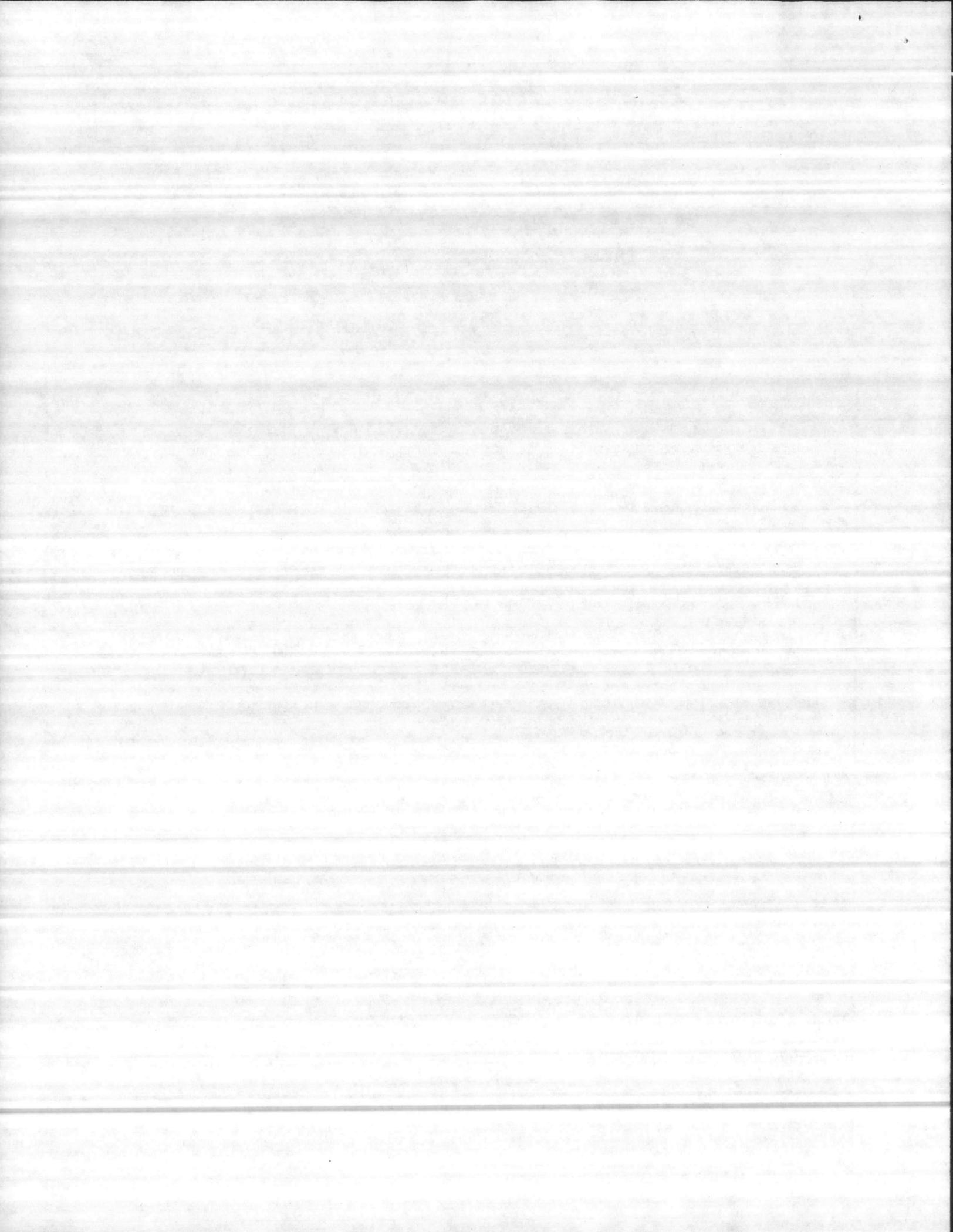
SPECIFICATIONS

Materials:	Meter Case — bronze Measuring Chamber — bronze with stainless steel trim Measuring Disc Piston — vulcanized hard rubber Register — Perma seal, permanently hermetically sealed to prevent fogging; Plastic box & lid (Bronze optional).
	Bolts — stainless steel
Maximum Operating Pressure:	150 PSI
Temperature Range:	32°F. to 110°F. *
Totalizing Register:	100,000,000 gallon capacity 100 gallons/sweep hand revolution 10,000,000 cubic foot capacity 10 cubic foot/sweep hand revolution
End Connections:	External Pipe Threads Internal Pipe Threads 2-Bolt Oval Flanged Ends Bronze Meter couplings or Cast Iron or Bronze Companion flanges are available
Available Sizes:	1-1/2" and 2"
Optional Accessories:	Gen-A-Reader® Generator Remote Device 1000 gal. per pulse 100 cu. ft. per pulse

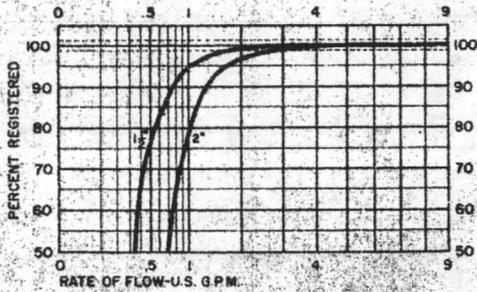
APPROVED SUBJECT TO APPROVAL BY ARCHITECT.
 SUB-CONTRACTOR AND/OR SUPPLIER WILL BE RESPONSIBLE FOR ALL DIMENSIONS AND QUANTITIES USED.

HUMPHREY'S HEATING & ROOFING
 2423 N. MARINE BLVD.
 JACKSONVILLE, N. C.

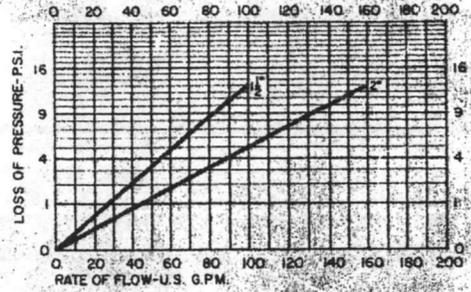
DATE 12/27/83 BY BLC



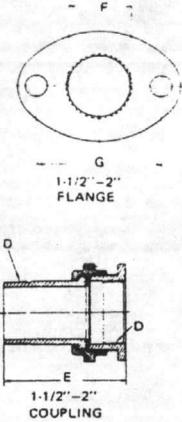
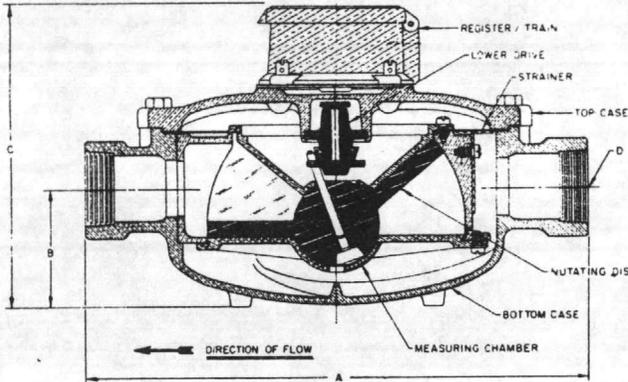
FLOW CHARACTERISTICS



LOW FLOW RATE PERFORMANCE CURVE



PRESSURE DROP



DIMENSIONS – END FITTINGS – WEIGHTS

SIZE & END FITTINGS	MAXIMUM RATING (U.S. G.P.M.)	A	B	C	WIDTH	D (NPT)	E	F (NPT)	NET WT. (LBS.)	GROSS WT. (LBS.)
1-1/2" SCREWED	100	12-5/8"	3"	7-7/16"	10-3/8"	1-1/2"	4-1/2"	—	34	38
1-1/2" FLANGED	100	13"	3"	7-7/16"	10-3/8"	—	—	1-1/2"	39	43
2" SCREWED	160	15-1/4"	3-3/8"	8-3/8"	11-3/4"	2"	4-3/8"	—	49	54
2" FLANGED	160	17"	3-3/8"	8-3/8"	11-3/4"	—	—	2"	59	64

STANDARD METER FITTINGS — SCREWED: INTERNAL (FEMALE) NPT THREADS
 EXTERNAL (MALE) NPT THREADS
 FLANGED: 2 BOLT OVAL TYPE, FLAT FACE 1-1/2" AND 2" SIZES
 OPTIONALLY AVAILABLE — UNION COUPLINGS AND THREADED COMPANION FLANGES AS LISTED IN COLUMNS D, E AND F



*Gen-a-reader® option

*WE DO NOT WARRANT NOR RECOMMEND OUR GEN-A-READER IN PIT INSTALLATIONS

SALES OFFICE

ATLANTA — 2131 Kingston Court, S.E., Suite 102, Marietta, Georgia 30067 (404) 952-4424
 NEW ENGLAND — 250 Elm Street, Dedham, MA 02026-4598 (617) 326-9400
 NEW YORK — 104 Braen Avenue, Hawthorne, New Jersey 07506 (212) 962-1728
 CHICAGO — 1025 Criss Circle, Elk Grove Village, ILL. 60007 (312) 439-7700
 LOS ANGELES — 2425 So. Eastern Ave., Los Angeles, Calif. 90040 (213) 722-6870
 SAN FRANCISCO — 1290 Bayshore Hwy., Burlingame, Calif. 94010 (415) 344-2575



Water Meter & Controls Group
 250 Elm Street, Dedham, Mass.
 U.S.A. 02026-4598
 (617) 326-9400 Telex 92-4436

