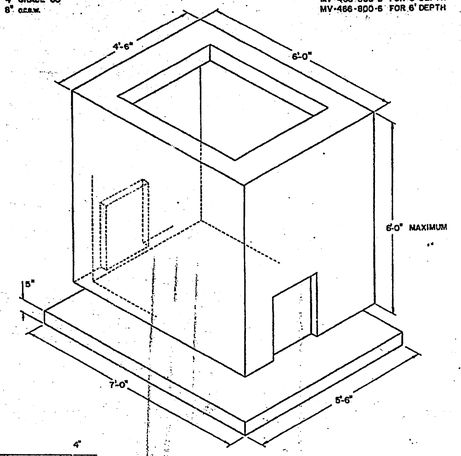
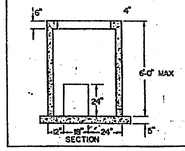
NOTE: SEE BACK OF THIS PAGE FOR VARIOUS ROOF OPENINGS AND COVER SIZES

CONCRETE: 4500 PSI
REBAR: #4 GRADE 60
8" o.c.e.w.

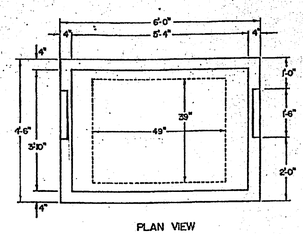
WHEN ORDERING SPECIFY:
MV-466-800-3 FOR 3' DEPTH
MV-466-800-4 FOR 4' DEPTH
MV-466-800-5 FOR 5' DEPTH
MV-466-800-6 FOR 6' DEPTH





4-15-65

BROOKS MV-466-800-VAR
DC METER VAULT
BROOKS PRODUCTS, INC



PLAN VIEW

BROOKS MV-466-800-VARIABLE

1. 39"x 49" CLEAR OPENING

3. TORSION BAR ASSIST HINGED STEEL COVERS: PARKWAY OR TRAFFIC: 3'x 4'

5. BILCO DOORS AVAILABLE BY SPECIAL ORDER

4-15-65

Hersey PRODUCTS

Model ER-1

Electronic Encoder Register

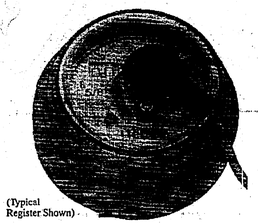
Features

APPLICATIONS: The Hersey Model ER-1 Electronic Encoder Register is available on Hersey meters for remote reading of hard-to-access commercial, institutional and residential installations. With minimal cost and labor, it also can be retrofitted to virtually any Hersey meter already in service. The Model ER-1 register is compatible with any of the meter reading methods in the Hersey AMR System, which simplifies migration and provides additional cost savings.

DESCRIPTION: The Model ER-1 register uses solid-state circuitry to generate two electronic switch closures per revolution of the sweep hand. It provides extremely high "sixth wheel" resolution for greater accuracy. It also avoids metal-to-metal contacts which could corrode or wear. For direct reading, the register face has a low-flow (leak) detector, a straight reading odometer with large, easy to read numerals, and a sweep hand. It can be specified in US gallons, cubic feet, cubic meters, or imperial gallons.

CONFORMANCE TO STANDARDS: Complies with AWWA Standard C707 for Encoded Remote Reading Systems when used with the Hersey Remote Reading System.

CONSTRUCTION: The fully encapsulated electronics do not penetrate the lens, assuring that the register is permanently sealed. Tamper resistant screws hold the electronics securely to the lens, and the register mounting has an integral tamper-proof feature. The connection between the electronics and the register's wiring cable is watertight.



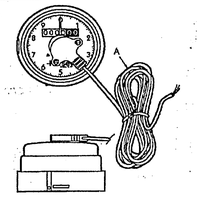
(Typical Register Shown)

Materials and Specifications

- MODEL ER-1
- STANDARDS ..... Complies with AWWA Standard C707 for Encoded Remote Reading Systems (when used with the Hersey AMR System)
- REGISTER TYPE ..... Electronic encoding with visual readout
- CABLE ..... 3-wire (2-wire if alarm circuit not connected)
- TEMPERATURE RANGE ..... -33°F to 150°F

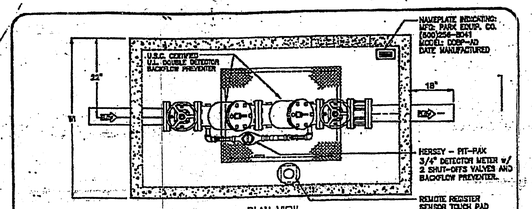
Dimensions

	Dimension
A	1' Length, 15' Length, 30' Length, 75' Length

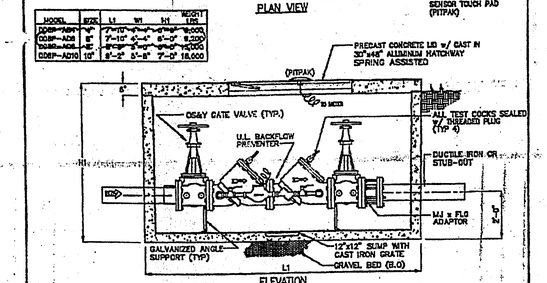


ER-1 Encoder

8.1



MODEL	SIZE	L1	W1	H1	MOUNT LBS.
DDBP-AD4	4"	7'-10"	4'-4"	6'-0"	8,000
DDBP-AD6	6"	7'-10"	4'-4"	6'-0"	8,200
DDBD-AD8	8"	8'-2"	4'-8"	7'-0"	14,000
DDBP-AD10	10"	8'-2"	5'-8"	7'-0"	18,000



Specifications

CONCRETE: Class 3 concrete with design strength of 4500 PSI at 28 days. Unit is of monolithic construction at floor and first stage of wall with sectional riser to required depth.

REINFORCEMENT: Grade 60 reinforced. Steel rebar conforming to ASTM A615 on required centers or equal.

HATCHWAY: 1/4" Aluminum diamond plate cover, with 1/4" extruded aluminum frame. Hatch to be furnished with 316 Stainless Steel snap lock & hinges.

Engineering Data

The ladder assembly shall be factory assembled in vault & hydrostatically tested prior to delivery. Field excavation & preparation shall be complete prior to delivery. Pipe, valves and fittings of the assembly shall be approved by one or more of the following associations:

AWWA UL NSF FM

PROJECT:
CUSTOMER:
ENGINEER:

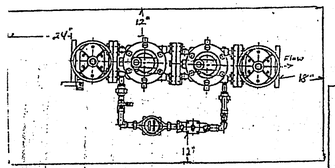
4" THRU 10" DOUBLE DETECTOR CHECK BACKFLOW PREVENTER ASSEMBLY

SCALE	DWG. NO.	REV.
NONE	DDBP-AD	A
DATE		

TOWN OF ADDISON
PUBLIC WORKS DEPARTMENT
Post Office Box 144 Addison, Texas 75001
(972) 450-2871
16801 Westgrove

FIRE LINE WATER SERVICE > 2"

The following diagrams are for example only and do not endorse any particular manufacturer over another. Clearance dimensions should be at minimum in accord with the manufacturer's recommendations. Overall dimensions of the vault will be dependent on the size of the device that it contains. Be sure to read and follow all the specifications provided on separate sheet. Questions for clarification may be directed to: Utility Inspections at 972-450-7047 or the Utility Division of the Public Works Department at 972-450-2871.



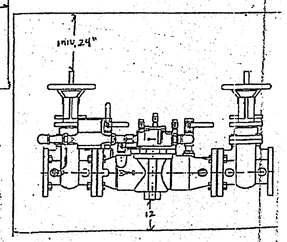
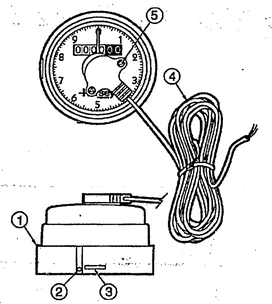


Figure FL-1

Model ER-1 Parts

Electronic Encoder Register

Hersey PRODUCTS



Ref. No.	Description	Part No.
1	Register Housing Base	C5805
2	Register Locking Pin (Plastic)	A12658
3	Register Housing Insert	C5582
*4	ER-1 Non-encapsulated Module with 1' wire ER-1 Encapsulated Module with 15' wire ER-1 Encapsulated Module with 30' wire ER-1 Encapsulated Module with 75' wire	B7890 B81040 B81041 B81042
5	Tri-wing Screw	AS7281
*	Tri-wing Tool (screwdriver style, less bit)	ERTOOL
*	Tri-wing Tool Bit	ERTOOLBIT
*	O-ring	98301

* Not shown.

Hersey PRODUCTS
Mueller Co.
Decatur, IL 62525
For Further Information, contact:
Hersey Products, Inc.
Cleveland, NC 27013
1-704-278-2311
1-800-323-8366 (in USA)

Mueller Co.
A Tyco International, Ltd. Company

8.2

TOWN OF ADDISON
PUBLIC WORKS DEPARTMENT
Post Office Box 9010 Addison, Texas 75001-9010
(972) 450-2871
16801 Westgrove

FIRE PROTECTION SYSTEM
REQUIREMENTS FOR FINAL ACCEPTANCE

To whom it may concern:

The following will be required before the final acceptance of the underground portion (from water main to riser) of your fire protection system.

1. A State Fire Marshal Certificate of Registration for sales, installation, and service of fire protection sprinkler systems must be on file with the Town of Addison Fire Marshal's office. Copy to Public Works Inspector.
2. The name and license number of the Responsible Managing Employee must be on file with the Town of Addison Fire Marshal's Office. Copy to Public Works Inspector.
3. "As-Built" plans of the underground system, which have been signed by the Responsible Managing Employee, must be submitted to the Public Works Inspector.
4. Visual inspection, pressure test, and flush test will have been satisfactorily completed and verified by the Public Works Department.

After completion of the above items, a letter of acceptance will be sent to the contractor, and a copy will be sent to the Town of Addison Fire Marshal's Office.

TOWN OF ADDISON
PUBLIC WORKS DEPARTMENT
Post Office Box 9010 Addison, Texas 75001-9010
(972) 450-2871
16801 Westgrove

FIRE LINE WATER SERVICE >2"

Contractors and/or plumbers are responsible for compliance with the following specifications:

All fire line services shall include an approved Double-Check Detector Assembly or Reduced Pressure Zone Detector Assembly at the point of connection to the City's water supply. An approved assembly shall be taken from the most current edition of the List of Approved Backflow Prevention Assemblies as published by the **Foundation for Cross-Connection Control and Hydraulic Research, University of Southern California.**

The Assembly shall be placed in a concrete vault of sufficient size to allow for convenient testing and/or repair. The vault shall have a concrete floor, and any joints shall be sealed to prevent infiltration of mud and silt. The vault doors shall be aluminum of the "Bilco" type (but not necessarily that brand), lockable, large enough to allow removal of the complete Assembly as a unit, and placed directly over the unit for ease of access. **RPZ assemblies must be installed above ground according to manufacturer's specs, and protected** from freezing and/or tampering with an approved enclosure.

The Assembly and piping shall be supported with manufactured supports designed for such application. (For clarification, reference Specification for Standon Pipe Supports as manufactured by Material Resources Co., Hillsboro, Oregon; 503-693-0727 - Models S89 or S92.

The Assembly shall be complete with the approved appurtenances. The detector meter shall be any one of the following: Hersey Model 430, Hersey MVR-30.

The detector meter piping shall have an in-line or angle curb-stop or an approved ball valve before the meter and the compatible Double-Check or RPZ Assembly after the meter, and a test port after the assembly.

Meters > 18" deep shall be equipped with Hersey ER-1 registers and PitPak for connecting to touchless AMR system.

Mainline piping shall include a mechanical-joint flange adapter on the inlet end of the Assembly to facilitate future removal or replacement of the Assembly.

The contractor shall be responsible for having the Assembly tested by a "certified" Fire-Line Tester upon installation of the system, and prior to final, continuous connection to the City's water supply. A copy of the report shall be supplied to the Town of Addison Utility Division of the Public Works Department.

A meter deposit is required for all meters prior to initiation of service. Application and deposit will be made to the Town of Addison Utility Billing Department (972-450-7081) by the party responsible for the water bill.

See Figure FL-1 for dimensions of the vault etc. Deviations from this standard may be considered at the discretion of the Director of Public Works only insofar as the protection of the Public Water Supply is not compromised.

08/04/95 *Updated 05/02/97*

REVISION NO.	DESCRIPTION	BY	DATE

TOWN OF ADDISON, TEXAS
ENGINEERING DEPARTMENT

LINDBERGH WATER MAIN REPLACEMENT

FIRE VAULT DETAIL

TOWN OF ADDISON STANDARDS

9-19-01
STATE OF TEXAS
QUINN G. SPANN, JR.
68109
REGISTERED PROFESSIONAL ENGINEER

DESIGN:		SCALE:
DRAWN:	TOWN OF ADDISON	SHEET 4 OF 6
APPROVED:		
DATE: SEPT. 2001		