A-1 Pressure and hose bib vacuum breakers
A-2 Residential backflow and water meter assembly
A-3 Typical 3/4" to 2" backflow preventer installation
A-4 Above-ground meters
A-5 Combination master meter and backflow preventer
A-6 Three inch and larger parallel backflow prevention assembly
A-7 Double detector check valve
A-8 Three inch and larger backflow prevention assembly
A-9 Approved water tanker truck backflow prevention
A-10 Test Requirement Form Letter
A-11 FDEP Approval Letter
SHUTOFF VALVES MAY BE DOWNSTREAM FROM PRESSURE VACUUM BREAKER

NOTE 'A' ALL PIPING FROM METER TO THIS POINT SHALL BE SWEATED COPPER OR THREADED BRASS

HOSE BIB VACUUM BREAKER REQUIRED ON ALL FIXTURES THREADED FOR HOSE ATTACHMENT BY RULES OF THE FLORIDA DEPT. OF H.R.S. AND THE CITY OF MELBOURNE PLUMBING CODE

OUTSIDE YARD SPIGOT WITH HOSE IN POLLUTED PUDDLE

DATE  20 SEP 91  PRESSURE AND HOSE BIB VACUUM BREAKERS
DESIGN  CITY OF MELBOURNE  DRN NO A - 1
ORD BY WATER AND SEWER ADMIN.  DRN ON

JOB NO
PROFILE

CONCRETE PAD SHALL BE A MINIMUM OF 2 FEET WIDE AND CENTERED ON PIPING

FLOW →

12" MIN.
30" MAX

GRADE MIN.4"

WATER METER ALL PIPING SHALL BE SLEEVED BETWEEN PIPE AND CONC.

NOTE 'A'

ALL PIPING AND FITTINGS SHALL BE SWEATED COPPER OR THREADED BRASS, FROM METER TO THE POINT WHERE THE 90° BEND MEETS THE CUSTOMERS SERVICE LINE UNDEGROUND

NOTE 'B'

BACKFLOW PREVENTER TO BE LOCATED NO LESS THAN 12" DOWNSTREAM FROM WATER METER BOX, AND NO MORE THAN 24"

TYPE OF BACKFLOW PREVENTER TO BE BASED ON DEGREE OF HAZARD. THIS IS TO BE DETERMINED BY CITY OF MELBOURNE WATER AND SEWER ADMINISTRATOR. DEVICES TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS!

BACKFLOW PREVENTOR & ASSOCIATED PIPING TO BE MAINTAINED BY CUSTOMER.

UPDATED: 8 FEB 91 17 SEP 91 19 JUN 92 01 JAN 93 31 Oct 93

DATE: 23 AUG 90 TYPICAL 3/4" TO 2 BACKFLOW PREVENTER INSTALLATION DRW ON A-3

D 'GN TH CITY OF MELBOURNE, FL. WATER & SEWER ADMINISTRATION DRW NO.

DRWN BY N. D.W. JOB NO.
2" METER PROFILE & BACKFLOW PREVENTER

2" BALL VALVE
NOTE "B"

TEST COCKS

2-2" BALL VALVES TO BE PURCHASED AS PART BACKFLOW DEVICE

NOTE "A"

PIPING SHALL BE SLEEVED BETWEEN PIPE & CONCRETE
CONCRETE PAD TO BE 24" WIDTH MINIMUM & CENTERED ON PIPING

12" MIN.
30" MAX.

FLOW

T.O.P.

@ 6" O.C.E.W.

TYPE OF BACKFLOW PREVENTER TO BE BASED ON DEGREE OF HAZARD, THIS IS TO BE DETERMINED BY THE CITY OF MELBOURNE WATER & SEWER ADMINISTRATOR.

NOTE "A" ALL 2" SERVICE LINE & FITTINGS TO BE THREADED BRASS TO THE POINT WHERE THE ASSEMBLY MEETS BELOW GROUND WITH CONSUMERS UNDERGROUND LINE.

WHERE AT THAT POINT IT MAY BE TYPE K COPPER

NOTE "B" ALL 2" BALL CURB VALVES LOCATED ABOVE GROUND SHALL BE TYPE B20200 AS MANUFACTURED BY MÜLLER INC. UNLESS FURNISHED AS PART OF A BACKFLOW DEVICE.

UPDATED 8 FEB 91 09-13-91 06-26-92 10-31-93

DRW NO. A-4

SCALE N.T.S.

C'ITE 10-4-90

ABOVE GROUND METERS

CITY OF MELBOURNE

WATER & SEWER ADMINISTRATION

DRW BY N.D.W.

JOB NO.
END OF CITY RESPONSIBILITY ➔ START OF CUSTOMER RESPONSIBILITY

30 Min. T.O.P.

30" MIN. 30" MAX

Adjustable Pipe Support

12'' BEND

SPOOL WITH 2'' OUTLET

& 2'' BALL VALVE

ALL PIPING IS TO BE SLEEVED BETWEEN PIPE AND CONCRETE SLAB

90° MJ BEND 2 REQUIRED

MIN. 6'' CONCRETE SLAB WITH No. 6X10'' O.C.E.W.

FLOW PROFILE

ALL PIPING SHOWN SHALL BE FLANGED DUCTILE IRON.

DEVICES ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS!

36'' MIN. CLEARANCE

O.S. & Y Valve (3'' Req'd)

METER TEST OUTLET

SIZED ACCORDINGLY

REduced Pressure or Double Check

Backflow Preventer

24'' MIN

Strainer

Test Cocks

Bypass Meter (If Required)

Concrete Pad

PLAN

DATE: 31 OCT 93
DESIGN: TH
DRAWN BY: N.D.W.

COMBINATION MASTER METER AND BACKFLOW PREVENTER

CITY OF MELBOURNE WATER & SEWER ADMIN.

DRW NO. A-5
SCALE: N.T.S.

JOB NO.
TYPE OF BACKFLOW PREVENTOR TO BE BASED ON DEGREE OF HAZARD. THIS IS TO BE DETERMINED BY THE CITY OF MELBOURNE WATER AND SEWER ADMINISTRATOR.

ALL PIPING PASSING THROUGH CONCRETE SHALL BE SLEEVED.

PIPE SUPPORT (4 required) under each back flow valve

FLOW

GRADE

12" MIN.

6' MIN.

12" MIN.

30" MAX.

6@ 10° O.C.W.

24" MIN. CLEARANCE

CONCRETE PAD

24" MINIMUM CLEARANCE

"DEVICES ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS!"

BACKFLOW PREVENTOR AND ASSOCIATED PIPING TO BE MAINTAINED BY CUSTOMER

ALL PIPING SHOWN SHALL BE FLANGED DUCTILE IRON

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TYPE OF BACKFLOW PREVENTOR TO BE BASED ON DEGREE OF HAZARD. THIS IS TO DETERMINED BY THE CITY OF MELBOURNE WATER AND SEWER ADMINISTRATOR.

ALL PIPING PASSING THROUGH CONCRETE PAD SHALL BE SLEEVED DEVICES ARE TO BE INSTALLED IN STRICT ACCORDANCE WITH MANUFACTURERS INSTRUCTIONS!

PAD SHALL BE A MINIMUM OF 2 FEET WIDE AND CENTERED ON PIPING OR DOUBLE THE DIAMETER OF PIPE THE USED, FROM CENTER LINE OF PIPING (i.e. 8" DIA. PIPE ≈16" EACH WAY OR A 32" WIDE PAD, WHICH EVER IS GREATER.)

BACKFLOW PREVENTOR AND ASSOCIATED PIPING TO BE MAINTAINED BY THE "CUSTOMER"

ALL PIPING SHOWN SHALL BE FLANGED DUCTILE IRON

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10 31 93

3" AND LARGER BACKFLOW PREVENTION ASSEMBLY

CITY OF MELBOURNE

WATER AND SEWER ADMN.
March 3, 1993

Name
Address
City

RE: REQUIRED ANNUAL TESTING OF BACKFLOW PREVENTERS

Dear Customer:

In order to maintain the quality of the public water supply at the highest level possible, backflow preventers are required on all services where the water main come in contact with a contaminant.

Connected to your water system is backflow preventers. State Regulations require all backflow preventers be tested and maintained annually by a certified tester. It should be noted that failure to comply with this regulation may result in discontinuance of water service.

Enclosed is a separate "Test and Maintenance Report" form for each of your backflow preventers. This form is to be completed and returned to City of Melbourne, Water/Sewer Administration, 2891 Harper Road, Melbourne, Florida, 32904, within thirty (30) days of receipt of this letter. Also enclosed is a list of approved certified backflow prevention device testers located in the area.

You are encouraged to have the tests performed as soon as possible. If any of your devices should need repair, the parts may take a few weeks to arrive.

If you have any questions, please contact our Cross Connection Control Technician weekdays at 407-727-2900 ext. 216/217.

Sincerely,

Thomas S. Hogeland
Water/Sewer Operations Superintendent

TSH/ct
March 31, 1993

CITY OF MELBOURNE
900 EAST STRAWBIDGE AVENUE
MELBOURNE FL 32901

ATTENTION ROBERT C. KLAPOTH JR
WATER & SEWER ADMINISTRATOR
Brevard County - DW
City of Melbourne
Cross-Connection Control Manual & Reuse Ordinance

Dear Mr. Klapoth:

This is in response to your letter of March 9, 1993, revised Cross-Connection Control Manual (Effective March 1993) and revised Reuse Ordinance (Division 6).

The Department hereby approves the City of Melbourne's Cross-Connection Control Manual and Reuse Ordinance contingent upon the Reuse Ordinance being adopted and approved by the City. Upon approval by the City, please provide the Department a copy of the adopted/signed Reuse Ordinance.

Thank you for your cooperation.

Sincerely,

Carlos Rivero-deAguilar, P.E.
Program Administrator
Water Facilities

CC: DOOS-158382, Melbourne/D.B. Lee WWTF
    DT05-189773, Melbourne/Grant Street WWTF

RECEIVED
APR 05 1993
WATER AND SEWER ADMINISTRATION