

SINGLE

VARIES

3/4" CORPORATION STOP

3/4" COPPER SERVICE

20'

3/4"

1"

1/4"

MAIN

WATER

PROPERTY

DOUBLE

VARIES

1" CORPORATION STOP

1" COPPER SERVICE

U-BRANCH

20'

3/4"

1"

1/4"

1/2"

1/4"

1/8"

MAIN

WATER

PROPERTY

Side View Details:

- Grass
- 5' 0" MIN.
- 3/4" CORPORATION STOP
- COMPACTED GRAVEL BEDDING
- 6"
- 1"
- 3/4" COPPER SERVICE
- 2' 0"
- 6"

PIPE SIZE	TEE OR DEAD END			90° BEND			45° BEND			22 1/2° & 11 1/4° BENDS		
	A	B	C	A	B	C	A	B	C	A	B	C
4"	2.0	3.0	1.5	3.0	4.0	1.5	2.0	3.0	1.5	2.0	3.0	1.5
6"-8"	2.5	4.0	2.0	3.5	4.5	2.0	2.5	3.5	2.0	2.5	3.5	2.0
10"	3.0	4.5	2.0	4.0	5.0	2.5	2.5	4.0	2.0	2.5	4.0	2.5
12"	3.5	5.0	2.5	4.0	6.0	3.0	3.0	4.5	2.5	3.0	4.5	2.5
16"	3.5	5.5	2.5	4.5	6.5	3.0	3.5	5.0	3.0	3.5	6.0	3.0

NOTE: CONCRETE SHALL NOT BE POURED ON JOINTS, LIMITING FLEXIBILITY
ALL TEES, BENDS, PLUGS AND CAPS SHALL BE ANCHORED WITH
THRUST BLOCKS.

VARIES

NOTE
COMPLETE FIRE HYDRANT
ASSEMBLY INCLUDES BRANCH
PIPE, FITTINGS, GATE
VALVE AND BOX, CONCRETE
BASE, AND THRUST BLOCKS.

2-2 1/2" NOZZLES
MUELLER-A-421
DARLING-B-50-B
KENNEDY-K-110T

1 1/2" PUMPER
NOZZLE

7 CU FT
GRAVEL

3'-6" MIN. BURY

VALVE BOX

CONCRETE THRUST BLOCK

VALVE BOX

CONCRETE THRUST BLOCK

M.J. FITTINGS ARE
NOT TO MEET
CONCRETE
8", 10", 12"

3/4" DIA. THREADED ROD, (GALV.)
2 REQ'D.

NOTE MAIN BODY OF HYDRANT MUST BE SILVER AND HAVE RED CAPS & BONNET

DISTANCE A, WITH CURB AND GUTTER, 2' MIN., 4' MAX. FROM BACK OF CURB.
DISTANCE A, WITHOUT CURB AND GUTTER, 2' MIN., 12' MAX FROM EDGE OF PAVEMENT

EXISTING PAVEMENT

STANDARD MANHOLE FRAME & COVER
 RICHARDSON FOUNDRY CO. DESIGN NO. B-144-A
 T.M. & B. BROTHERS, INC. MFG. NO. 16 OR EQUIVALENT

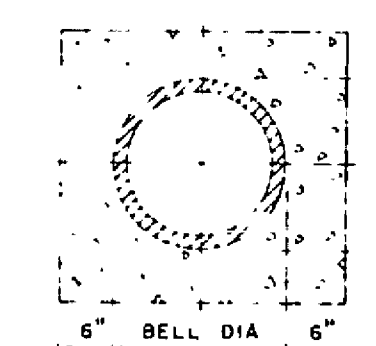
2'-0"

2'-0"

PRELIMINARY WATER MAIN

COMPACTED GRAVEL BEDDING

CONCRETE ENCASEMENT



CAREFULLY AND
MECHANICALLY
TAMPED BACKFILL

NOTE:
ASBESTOS CEMENT
PIPE TO BE LAID
IN GRAVEL BEDDING

COMPACTED CRUSHED
STONE OR PEA --
GRAVEL PASSING
1/2" RETAINED ON #

Diagram illustrating the installation of a precast meter box. The diagram shows a cross-section of the box with a 2" nipple and cap, a 2" gate valve (H. R. S.), and a 6" min. compacted gravel bedding. The box is labeled "PRECAST METER BOX". The diagram also shows a "THRUSTER BLOCK" and a "MUELLER 'J' CORPORATION STOP CAT. NO. NIDDEE OR EQUIV." connected to the "WATER MAIN". The diagram includes dimensions: 30" clearance, 2" gate valve, and 6" min. compacted gravel bedding. The diagram is labeled "LFA & R EQUIV" and "3'-0" MIN."

NOTE: STANDARD FRAME & COVER
RICHARD FOUNDRY CO. DESIGN
NO. B-1444 DEWEY BROTHERS,
INC. MH-RCR-56 OR EQUIVALENT

DESIGNED	R.C.D.P.F.
DRAWN	R.C.D.P.F.
CHECKED	

T. P. PARKER & SON
ENGINEERS & SURVEYORS LTD.
SALEM, VIRGINIA

SCALE AS SHOWN	W.O. NO. 860669 N.B. R.C.L.V.
DATE	SHEET 10 OF 11

RC-2149