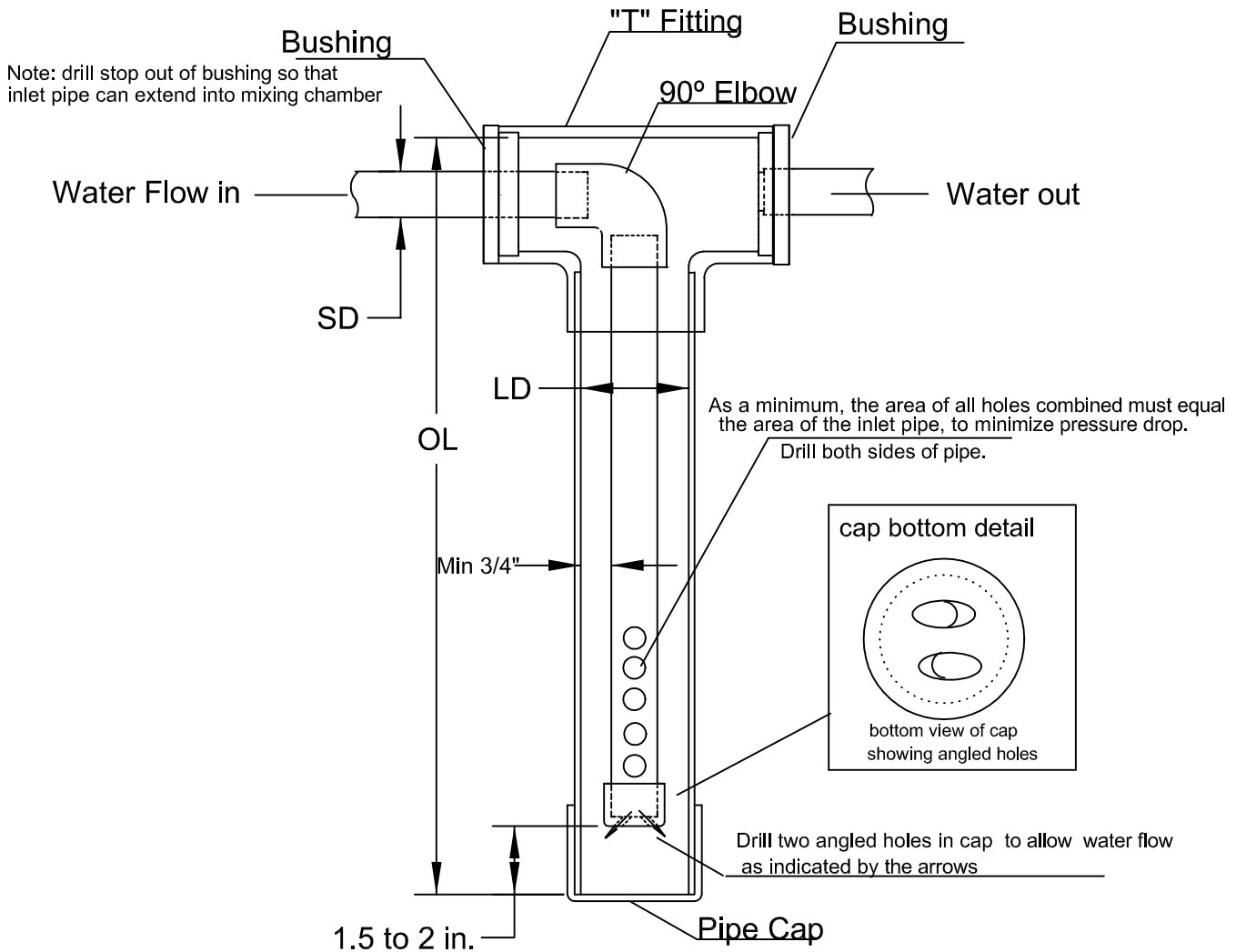


# TYPICAL VERTICAL MIX TANK DETAIL



Gallons/stroke -  $[(\text{Max Flow} / 30) = \text{GPS}]$

GPS = \_\_\_\_\_ gal.

Inlet pipe diameter - [match to water meter connection size]

SD = \_\_\_\_\_ in.

Tank diameter - allow for 3/4" to 1" minimum clearance between inlet pipe and inner tank wall.

LD = \_\_\_\_\_ in.

Min. chamber volume -  $[3 \times \text{gallons} / \text{stroke}]$

V = \_\_\_\_\_ gal.

Overall length -  $[V / \text{gallons per ft of tank}]$

OL = \_\_\_\_\_ ft.

## NOTES:

Be sure to use pipe rated for system pressure in mix tank construction.

The pipe sizes below are suggested to match meter sizes, and are adequate for short pipe runs. Longer pipe runs will require larger diameter pipe to minimize pressure drop.

Typical flow vs meter size    Aprox pipe volume per foot    Area vs Hole diameter

Up To	Use
20 gpm	3/4" pipe
30 gpm	1"
50 gpm	1 1/4"
100 gpm	1 1/2"
200 gpm	2"
400 gpm	3"
600 gpm	4"
1,200 gpm	6"

Pipe dia Inches	Vol/foot gal
3	0.30
4	0.60
6	1.40
8	2.60
10	4.00
12	5.80

Diameter in	area Sq.in
0.25	0.05
0.375	0.11
0.5	0.20
0.625	0.31
0.75	0.44
1.0	0.79
1.5	1.77
2	3.14
3	7.07
4	12.57

## H. E. Anderson company

DRAWN Name P.B.R.

CHECKED Name

ENGINEER Name

APPROVED Name

SCALE : NTS

TYPICAL VERTICAL MIX TANK DETAIL

SIZE

DWG NUMBER

A

REV -

SHEET 1 OF 1