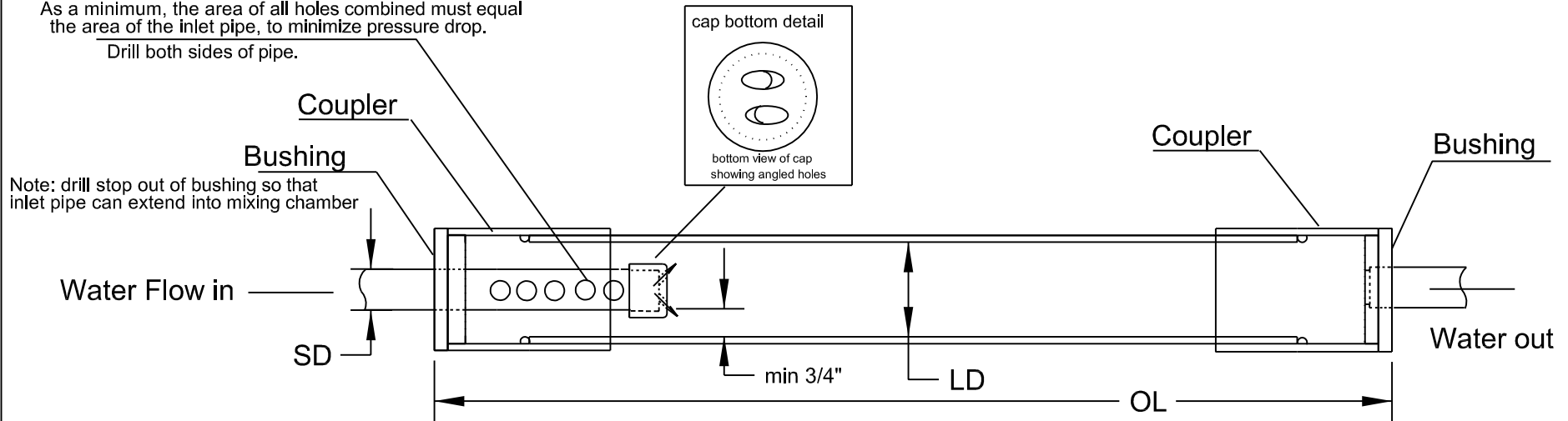


TYPICAL HORIZONTAL MIX TANK DETAIL

As a minimum, the area of all holes combined must equal the area of the inlet pipe, to minimize pressure drop.

Drill both sides of pipe.



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

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

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

Min. chamber volume - [3 x gallons / stroke]

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

GPS = _____ gal.

SD = _____ in.

LD = _____ in.

V = _____ gal.

OL = _____ ft.

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

NOTES:

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

The pipe sizes above 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.

H.E. Anderson Company

DRAWN Name P.B.R.	TYPICAL HORIZONTAL MIX TANK DETAIL	
CHECKED Name		
ENGINEER Name	SIZE A	DWG NUMBER
APPROVED Name	REV -	SHEET 1 OF 1
SCALE : NTS		