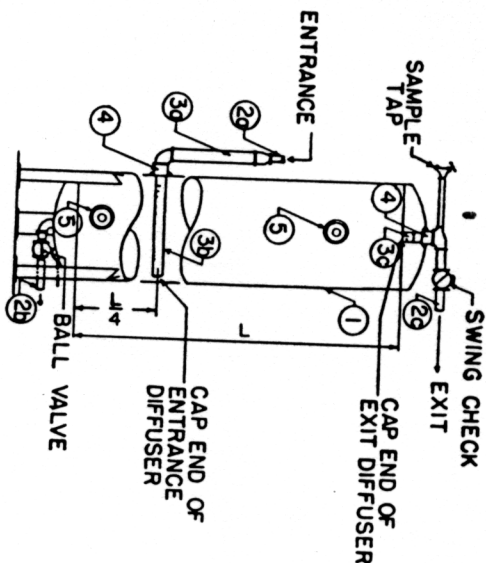


PLAN



SECTIONED TANK
ELEVATION

L = TANK HEIGHT
EXCLUSIVE OF
END CAPS

DIFFUSER PIPE SIZES

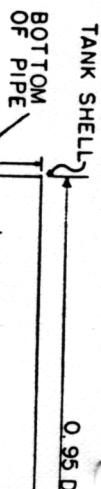
FLOW RATE GPM	PIPE SIZE	O.D. INCHES	I.D. INCHES	SCHEDULE 40 PIPE C INCHES	INLET HOLES	EXIT HOLES	NIPPLE SIZE I.D. (SCH 80)
5.6-8.7	1-1/4	1.660	1.380	5.22	11/32	3/16	1-1/2 1.500
8.8-12.9	1-1/2	1.900	1.610	5.97	13/32	7/32	2 1.939
13.0-19.3	2	2.375	2.067	7.46	1/2	9/32	2-1/2 2.323
19.4-30.0	2-1/2	2.875	2.469	9.03	5/8	11/32	3 2.900
	3	3.500	3.068	11.00	3/4	7/16	3-1/2 3.364

CHLORINE CONTACT TANK

10 MINUTE CONTACT TANK

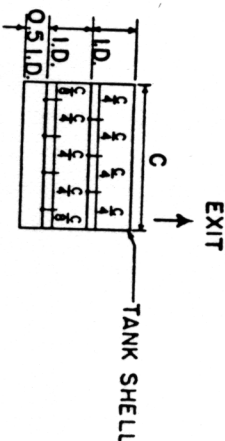
FLOW RATE GPM	VOLUME GALLON	TANK SIZE* DIAMETER INCHES	HEIGHT INCHES	TANK BOSS TOP 6 SIDES	DRAIN	PIPE SIZE	DIFFUSERS INLET HOLES	EXIT HOLES	.17 C
8	80	20	62	2	1-1/2	1-1/2	13/32	7/32	1.01
12	120	24	65	2	1-1/2	2	1/2	9/32	1.27
18	180	30	62	3	2-1/2	2-1/2	3/8	11/32	1.54
22	220	30	77	3-1/2	2	3	3/4	7/16	1.87
30	300	36	71	3-1/2	2	3	3/4	7/16	1.87

* NOMINAL - USE MANUFACTURERS DIMENSIONS.



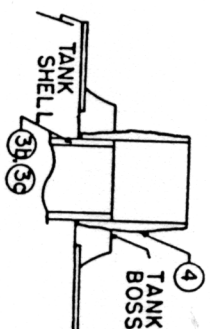
ENTRANCE DIFFUSER
DRILLING TEMPLATE

C = OUTSIDE CIRCUMFERENCE
OF PIPE
ID = INSIDE DIAMETER OF PIPE
D = DIAMETER OF TANK
* = HOLE SPACING: 0.10 D
O.I.D. = THE INSIDE
TANK DIAMETER



EXIT DIFFUSER
DRILLING TEMPLATE

DIFFUSER CONNECTION
DETAIL



- NOTES:
1. PRESSURE TANK, VOLUME 10 TO 15 TIMES DESIGN FLOW RATE IN GALLONS PER MINUTE.
 2. PIPE SIZED FOR DESIGN FLOW RATE VELOCITY NEAREST 4 FEET PER SECOND. (a) SUPPLY LINE, INJECT CHEMICALS AS FAR AHEAD OF TANK AS PRACTICAL. (b) TANK DRAIN DRAIN LINE MUST HAVE AIR CAP ABOVE WASTE RECEIVING DRAIN. (c) DISCHARGE LINE TO FILTER(S) OR HYDRO-PNEUMATIC TANK.
 3. PIPE SIZED FOR DESIGN FLOW RATE VELOCITY NEAREST 1 FOOT PER SECOND. (a) TRANSITION SECTION AT LEAST 10 INSIDE DIAMETER, 11 BOTTOM, 3 EACH ON OPPOSITE SIDES TO INDUCE RADIAL FLOW. (c) EXIT DIFFUSER, 9 HOLES, 0.14 OF PIPE INSIDE DIAMETER, 8 SIDE, 1 BOTTOM CENTER. LOW ENTRANCE VELOCITY 1 FPS AND HIGH EXIT VELOCITY 6 FPS REQUIRED TO ESTABLISH PROPER FLOW PATTERN AND MINIMIZE SHORT CIRCUITING.
 4. NIPPLE, SHORT OR LONGER, ONE SIZE LARGER THAN (1) SCHEDULE 40 OR 80 AS REQUIRED FOR BEST FIT.
 5. EXTRA TANK FITTINGS AS DESIRED. TO PUSH SEDIMENT FROM TANK, TURN OFF PUMP, OPEN SAMPLE TAP, OPEN TANK DRAIN VALVE; WHEN EMPTY TURN PUMP ON, RUN WATER TO WASTE UNTIL CLEAR, BLEED AIR TO WASTE THROUGH SAMPLE TAP UNTIL TANK IS FULL.

WARNING: AVOID USE OF SOLDER THAT CONTAINS LEAD.