



## SECTION 1124

### CHEMICAL FEED SYSTEM SPECIFICATIONS

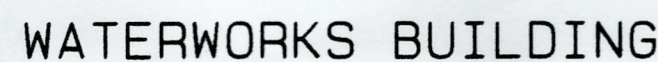
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- The diagram illustrates a chemical pump system for a tank. At the top, a horizontal line represents the ground surface. Below it, a vertical pipe descends into a large rectangular tank labeled "POLYETHYLENE CHEMICAL TANK". The pipe enters the tank through a "ROOT VALVE ASSEMBLY". A "3/8\"/>

### CHEMICAL FEED SYSTEM TYPICAL INSTALLATION











CHEMICAL SYSTEM	PUMP SERIES	PUMP MODEL	MIXER REQ'D	SOLUTION %	FEED RATE		PUMP SETTING		TANK SIZE
					GPM	ML/MIN.	ROTE	LENGTH	GAL.
Disinfection / Chlorination	Series E Plus <sup>1,2</sup>	LPA 3 0.5 gph	No ⚠	5% avail. <sup>2</sup> ⚠	3.77	27.3	84%	40"	30 gallon
Corrosion Control Aqua-Mag	Series E Plus <sup>1,2</sup>	LPA 3 0.5 gph	No	10%	1.25	3.26	30	35	30 gallon
				5%	6.25	16.3	70	75	30 gallon

Notes:

1. Series E solution metering pumps are satisfactory for this installation.
2. "Clorox" solutions are generally used for disinfection of this facility, either fed neat or slightly diluted.



### LEGEND

- |       |   |                    |
|-------|---|--------------------|
|       |  | END PLUG           |
| G. V. |  | GATE VALVE         |
| C. V. |  | CHECK VALVE        |
|       |  | UNION              |
| P. I. |  | PRESSURE INDICATOR |
|       |  | METER              |
|       |  | HOSE BIBB          |
|       |  | REDUCER            |
|       |  | PIPE 90° BEND      |
|       |  | PIPE TURN DOWN     |

INSERT DETAIL

N.T.S.

FINAL DRAFT

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Bernard C. Proctor  
10412

TWIN COVES  
WATER SYSTEM

WILLS CREEK DISTRICT-FRANKLIN COUNTY, VIRGINIA

## WATERWORKS IMPROVEMENTS

DATE: 1-05-01

TECHNICIAN: TWM

CHECKED BY: BCF

## REVISIONS

NO.	DATE
①	MAY 7, 2001
②	2-21-02

SCALES  
AS SHOWN

PROJ. NO. 99363	DIV.
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SHEET NO  
2 OF 3

DRAWING NO  
WATER

SURVEY DATUM USED:

FIELDBOOK IDENTIFICATION:

VIEWS TO CREATE THIS DRAWING:

MANUSCRIPT DRAWING NUMBER: