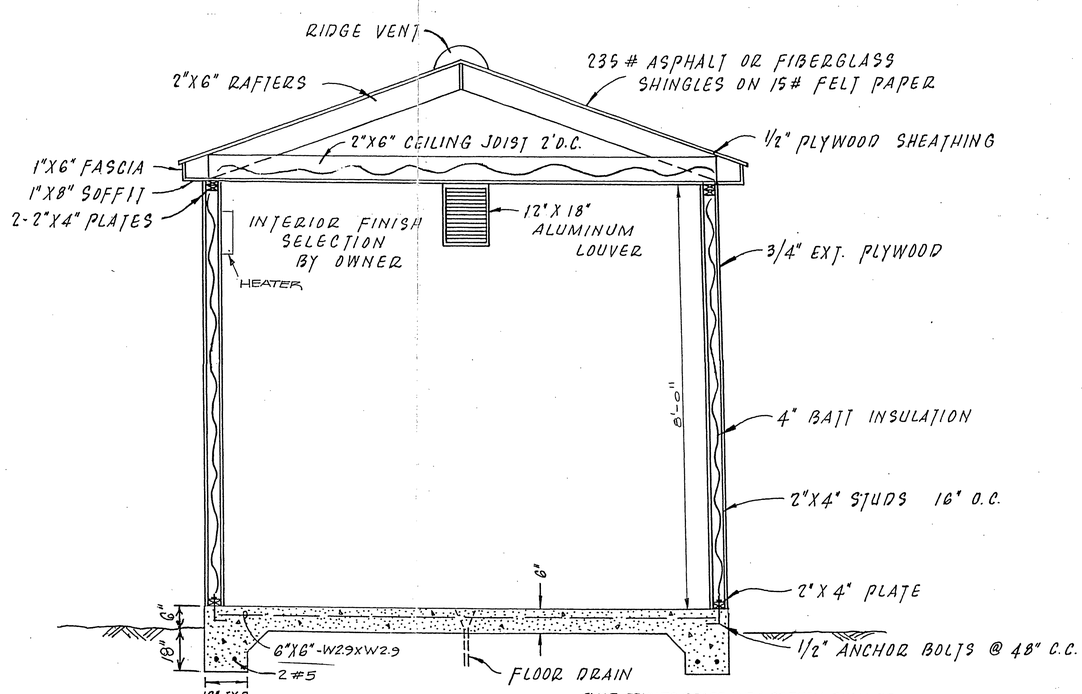
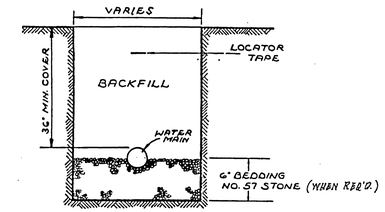


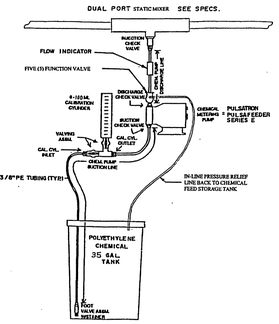
FLOOR DRAIN TO GRADE AND A SCREEN SHALL BE INSTALLED AT THE FLOOR DRAIN PIPE OUTLET.

SECTION A-A

SCALE 3/4"= 1'-0"

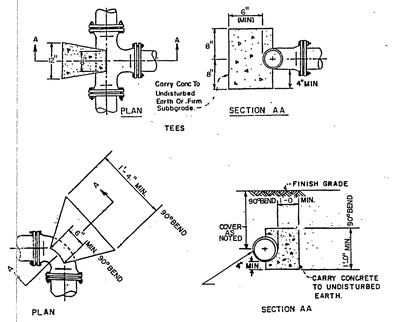


TYPICAL BEDDING DETAIL

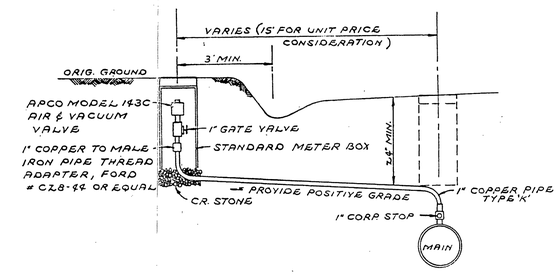


CHLORINE SOLUTION TANK

CHEMICAL FEED SYSTEM
TYPICAL INSTALLATION
N.T.S. (N.I.C.)

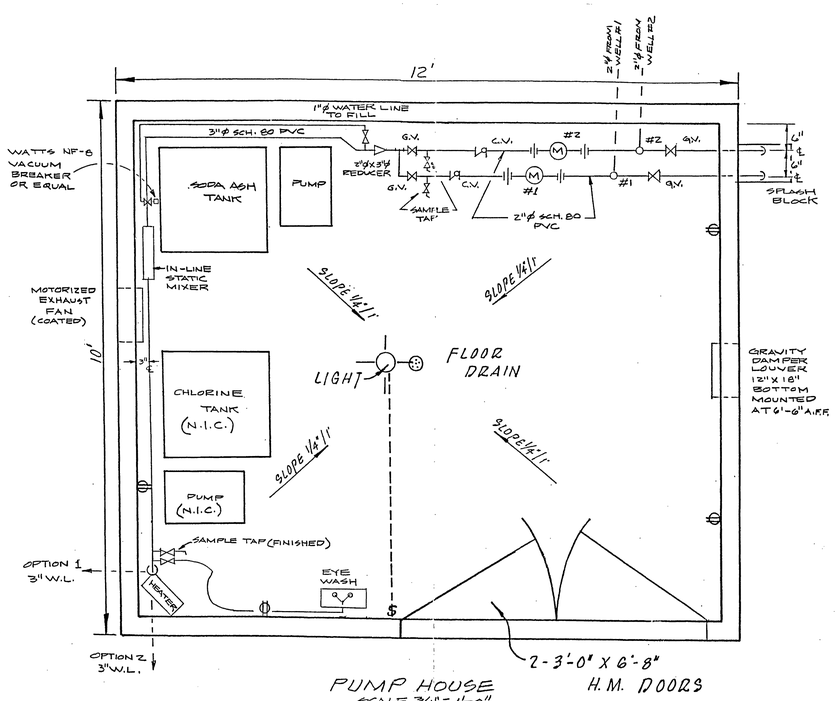


TYPE 'F' THRUST BLOCKS
N.T.S.



AIR RELEASE VALVE DETAIL

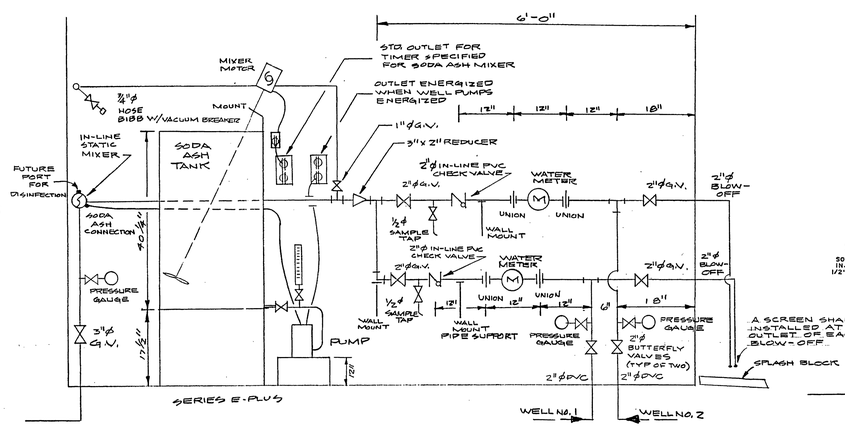
FOR USE AT HIGH POINTS IN MAIN



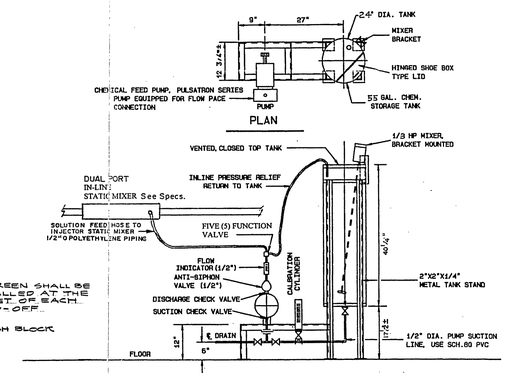
PUMP HOUSE
SCALE 3/4"= 1'-0"

Electrical

1. Conduit shall be Schedule 40, non-metallic piping with solvent weld fittings.
2. All wiring devices such as wall switches, outlets and light fixtures shall be non-metallic.
3. Manufacturer's names and model numbers where used are to indicate the quality of equipment to be used. Other manufacturer's may be substituted but must be of equal or better quality.
4. All electrical equipment installations shall meet the requirements of the National Electrical Code 1996 Edition and shall be UL listed. All conductors shall be copper with minimum size being #12. All wiring shall be installed in non-metallic conduit.
5. Pump controls to be relocated into building.
6. Heater in building to be 1500 Watt, 5000 BTU.



PIPING SCHEMATIC
SCALE 3/4"= 1'-0"



NOTE: Piping Disinfection and Bacteriological Testing

All piping in the waterworks building shall be disinfected using sufficient, standard disinfection tablets (crushed and placed in the building piping) to produce a concentration of 25 mg/l of available chlorine in the building piping. When using the tablet method for disinfection, the pipe shall be filled slowly with a velocity less than or equal to 1FT./sec. The water shall then remain in contact with the pipe for 24 hours and then flushed from the piping. Two (2) water samples for bacteriological analysis shall be collected at least 24 hours apart and analyzed by a certified laboratory. If contamination is noted in the test results, the disinfection and testing procedure shall be repeated.

NOTE:

All water and chemical feed lines shall be securely mounted to walls with appropriate brackets. Routing shall be below electrical panels or heaters and above access doorways. Where chemical feed lines are routed below electrical equipment, a minimum separation between the equipment and the water or chemical solution lines of one (1) foot shall be maintained.

NOTES:

1. SET CHEMICAL FEED PUMP TO FACE INTERIOR OF ROOM FOR EASE OF OPERATION AND MAINTENACE.
2. THE FIVE (5) FUNCTION VALVE SHALL BE DESIGNED TO PROVIDE PRESSURE RELIEF AND BACKPRESSURE, SERVE AS AN ANTI-SYPHON VALVE AND PUMP DISCHARGE DRAIN VALVE, AND ASSIST IN PUMP PRIMING.

ELEVATION

SODA ASH SOLUTION
SCALE : 1/2" = 1'-0"

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FOREST, VIRGINIA 24551
PH: (804) 385-7548 FAX: (804) 385-6178

COMMONWEALTH OF VIRGINIA
No. 10769
8-9-01
PROFESSIONAL ENGINEER

CORROSION CONTROL SYSTEM FOR WATER DISTRIBUTION SYSTEM
WALNUT RUN SUBDIVISION
GILLS CREEK MAGISTERIAL DISTRICT
FRANKLIN COUNTY, VIRGINIA

CHEMICAL FEED SYSTEM

DATE: MAY 2, 2001
TECHNICIAN: TWM
CHECKED BY: RTM

REVISIONS

NO.	DATE
1	7-20-01

SCALES AS SHOWN

PROJ. NO. 010145 | DIV.

SHEET NO. 2 OF 2

DRAWING NO. MASTER

AUG 2001
RECEIVED
U.S. Id Water Programs
DANVILLE REGIONAL OFFICE

SURVEY DATUM USED:

FIELDBOOK IDENTIFICATION:

VIEWS TO CREATE THIS DRAWING:

MANUSCRIPT DRAWING NUMBER: