

ISSUED FOR CONSTRUCTION

DESCRIPTION

0 8/27/2001

DATE

| BY | APP.

GENERAL NOTES:

- A. GRAY-SCALE EQUIPMENT PROVIDED BY US FILTER-MEMCOR INSTALLED BY THE GENERAL CONTRACTOR.
- B. COORINATE EQUIPMENT DELIVERY WITH US FILTER-MEMCOR AND CITY ENGINEER.

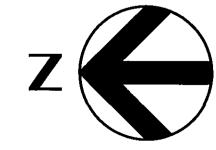
SPECIFIC NOTES:

- 1 HOLD DOWN LUGS, 4 LUGS PER TANK @ 90°.
- (2) LADDER AND SAFETY CAGE.
- 3 CONCRETE EQUIPMENT PAD. SEE DETAIL 4, SHEET P-23
- $\langle 4 \rangle$ 24" FLANGED MANWAY.
- 5 CYLINDER ACTUATED BUTTERFLY VALVE
- 6 MANUAL BUTTERFLY / WAFER VALVE
- 7 CHECK VALVE
- $\langle 8 \rangle 8$ INCH SPOOL PIECE VENT.
- (9) STRAINER
- PROVIDED BY US FILTER-MEMCOR, INSTALLED BY GENERAL CONTRACTOR
- (11) SOLENOID ACTUATED GATE VALVE
- $\langle 12 \rangle$ TO TANK T-301
- $\langle 13 \rangle$ TO TANK T-302
- (14) DOSING PUMP SET ON STAND PROVIDED BY US FILTER-MEMCOR

- (15) REDUCER
- (16) PIPE SUPPORT, SEE DETAIL 6 ON SHEET P-23.
- (17) TO WASTE NEUTRALIZATION TANK SEE SITE PIPING PLAN.
- (18) CIP CHEMICAL FEED FITTING
- (19) CHLORINE RESIDUAL ANALYZER. MOUNT TO WALL ROUTE DRAINAGE TO FLOOR DRAIN. COORDINATE FINAL LOCATION WITH FIELD ENGINEER.
- 20 PROVIDED BY US FILTER-MEMCOR, INSTALLED BY CONTRACTOR.
- 21 ROUTE AND SECURE DOSING PUMP AIR TUBING TO WALL
- ROUTE AND SECURE CONTROL AIR TUBING TO VALVES ALONG FLOOR, PIPES AND/OR TRENCH
- PROVIDE SPOOL PIECE EXTENDING 6" ABOVE BOTTOM OF TRENCH
- $\langle 24 \rangle$ 6" VENT
- 25 3" FW FROM MAG METER / CHEMICAL INJECTION VAULT, SEE SITE PIPING PLAN FOR CONTINUATION
- 26 FLOOR PENETRATION SEE DETAIL 8 SHEET P-22.
- 27 WALL PENETRATION SEE DETAIL 7 SHEET P-22.
- 28 1 1/2" FLUORIDE TO CHEMICAL INJECTION VAULT. SEE SITE PIPING PLAN FOR CONTINUATION. LINE TO PENETRATE WALL AT 4" A.F.F.
- 29 1 1/2" CHLORINE SOLUTION TO CHEMICAL INJECTION VAULT. SEE SITE PIPING PLAN FOR CONTINUATION. LINE TO PENETRATE WALL AT 4" A.F.F.

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RECORD DRAWING APRIL 28, 2003



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IN ASSOCIATION WITH

HR HDR Engineering, Inc.

DATE DWG. AUGUST 27, 2001		DWG. NO.	P-12	SHEET NO.	REV.
CADD NO.		PLAN - CIP EQUIPMENT			
COMM. NO.		REFERENCE	PROCESS		
PJD			CITY OF	FOR THE ROANOKE, VIRGI	NIA
DESIGNED ADE	DRAWN JMB	PROJECT	CRYSTAL SPRING WATER TREATMENT PLANT		