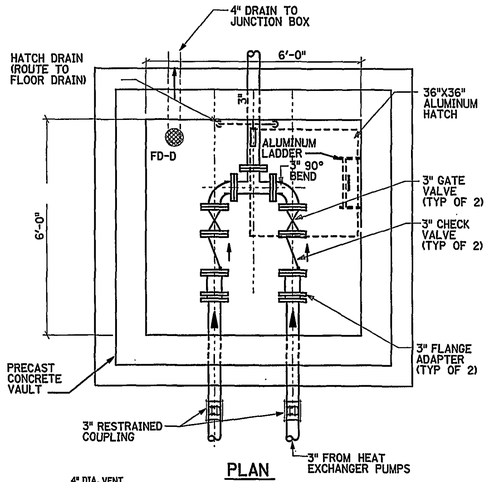
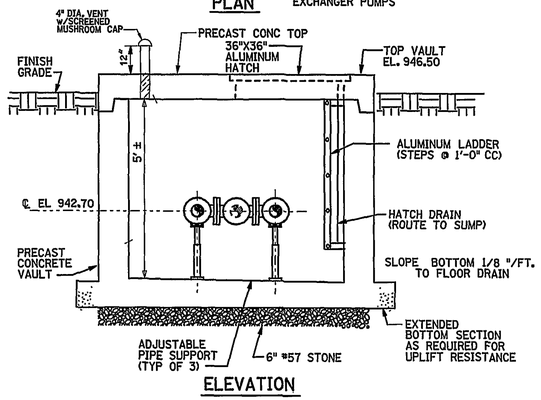


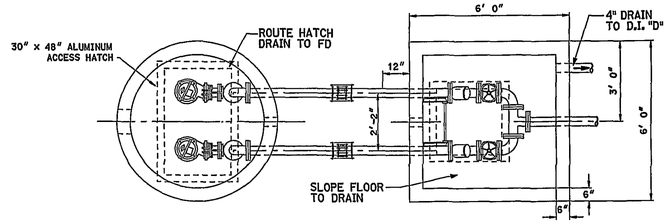
PLAN



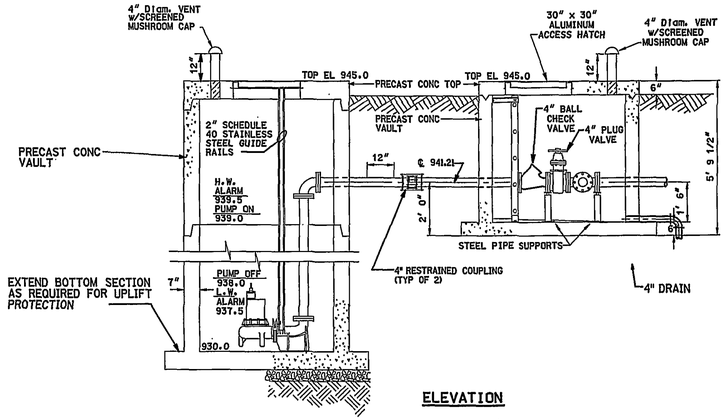
ELEVATION

HEAT EXCHANGER VALVE VAULT

NOT TO SCALE



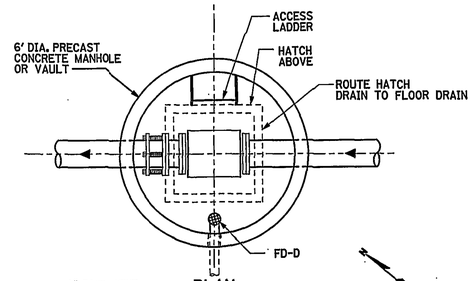
PLAN



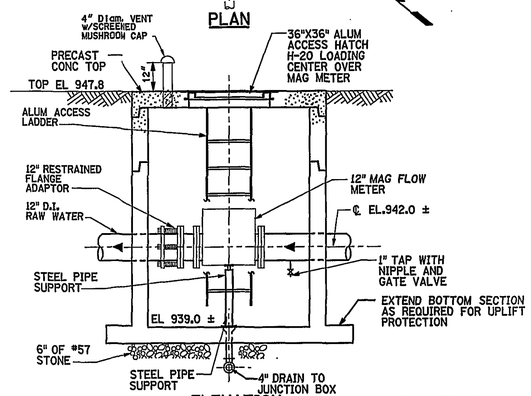
ELEVATION

WASTEWATER PUMP STATION AND VALVE VAULT

SCALE: 3/8 " = 1'-0"



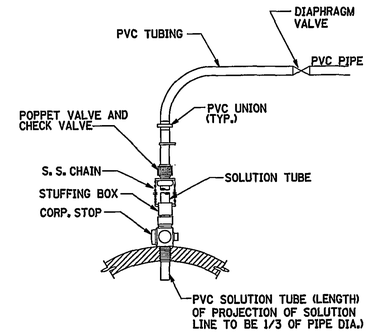
PLAN



ELEVATION

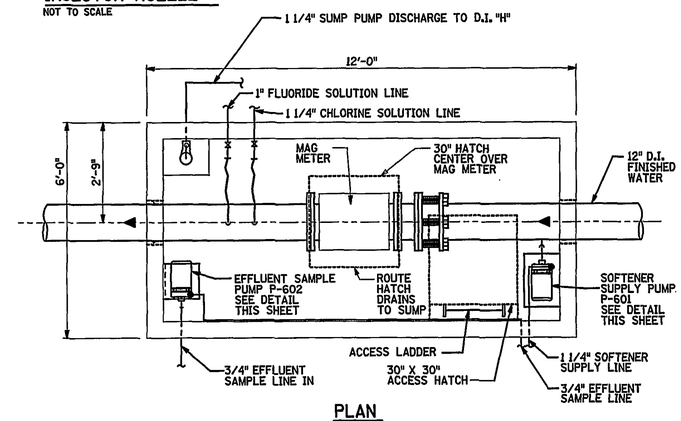
RAW WATER METER VAULT

SCALE: 3/8" = 1'-0"

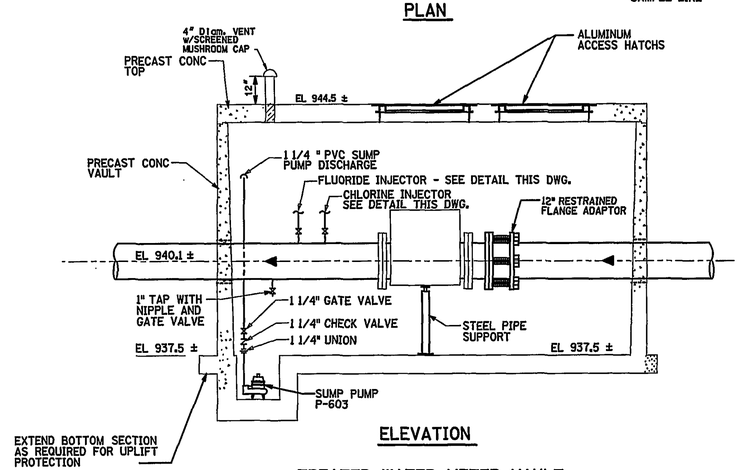


CHEMICAL SOLUTION INJECTOR NOZZLE

NOT TO SCALE



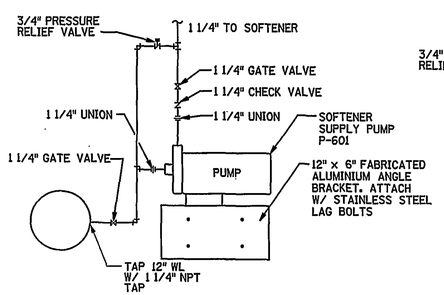
PLAN



ELEVATION

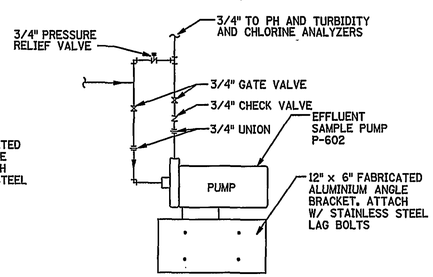
TREATED WATER METER VAULT

SCALE: 1/2" = 1'-0"



DETAIL - SOFTENER PUMP

NOT TO SCALE



DETAIL - EFFLUENT PUMP

NOT TO SCALE

IF THIS DRAWING IS A REDUCTION, GRAPHIC SCALE MUST BE USED.

5' 0 5' — 1/4" = 1'-0"
12" 0 1' 2' 3' 4' — 1/2" = 1'-0"
12"6" 0 1' 2' 3' 4' 5' 6' — 3/8" = 1'-0"
12" 6" 0 1' 2' 3' — 3/4" = 1'-0"

REV.	DATE	BY	APP.	DESCRIPTION
1	9/14/01	MKJ	MKJ	REVISED PLAN AND ELEVATION OF HEAT EXCHANGER VALVE VAULT PIPING TO 3"
	5-01-03	JLW	MKJ	RECORD DRAWING

RECORD DRAWING

DATE: MAY 1, 2003

Wiley & Wilson
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24505-0877

IN ASSOCIATION WITH
HDR
HDR Engineering, Inc.
5700 LAKE WRIGHT DRIVE
NORFOLK, VIRGINIA 23502
757-222-1500

DESIGNED MKJ	DRAWN JLW	PROJECT	CRYSTAL SPRING WATER TREATMENT PLANT FOR THE CITY OF ROANOKE, VIRGINIA
CHECKED MKJ	REVIEWED		
COMM. NO. 2001171.01		REFERENCE	CIVIL
CADD NO. 200171C08.DGN		TITLE	PUMP STATIONS AND VAULTS PLANS, SECTIONS & DETAILS
DATE AUG 26, 2001	DWG. NO. C-7	SHEET NO. 9 OF 72	REV. 0