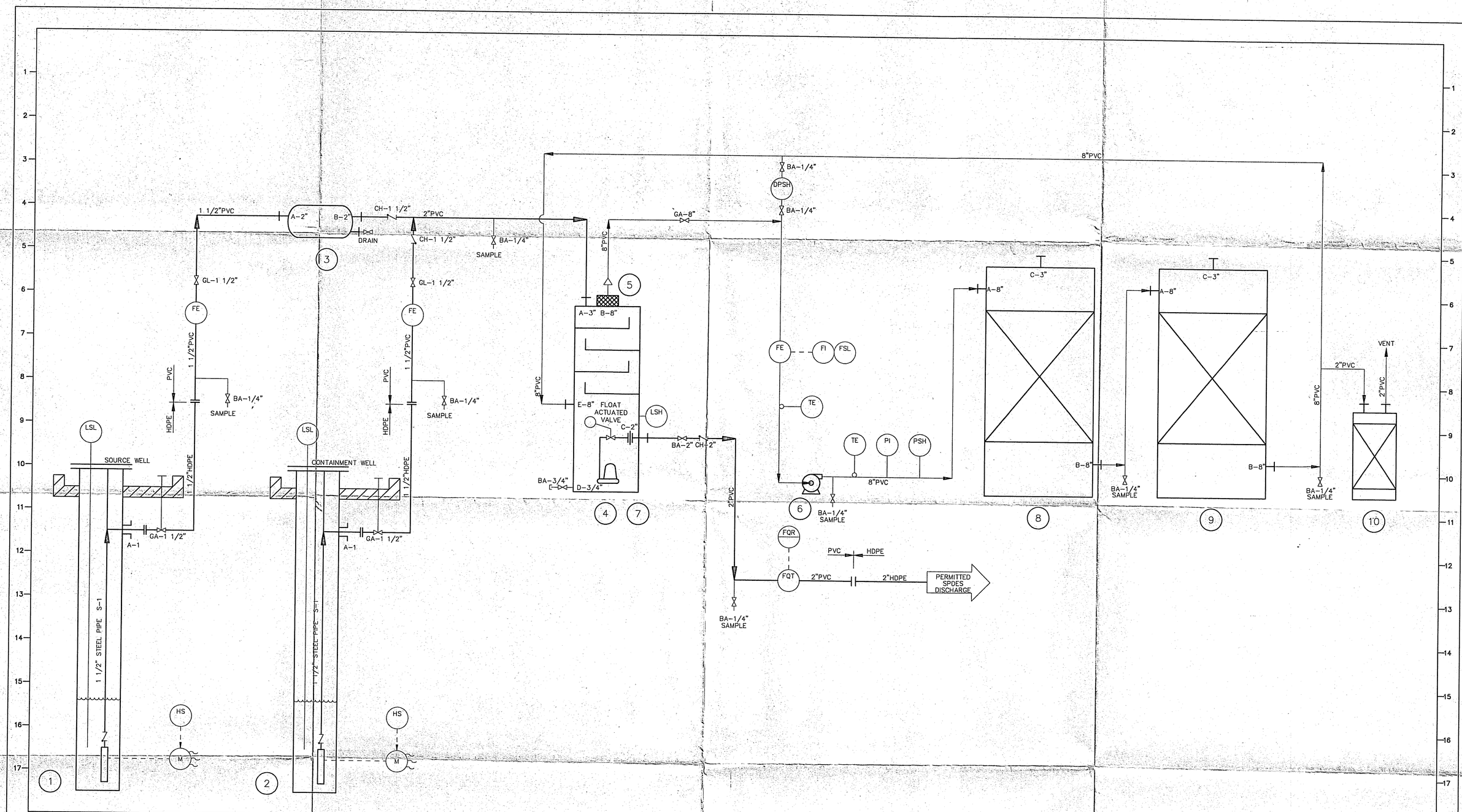

PLANT ID.	P-1 (1)	P-2 (2)	T-1 (3)	F-1 (4)	D-1 (5)	P-3 (6)	P-3 (7)	C-1 (8)	C-2 (9)	C-3 (10)	(11)	(12)	(13)	(14)
NAME	SUBMERSIBLE WELL PUMP No. 1	SUBMERSIBLE WELL PUMP No. 2	DECANT TANK	LOW PROFILE AIR STRIPPER	AIR STRIPPER DEMISTER	AIR STRIPPER BLOWER	AIR STRIPPER PUMP	ACTIVATED CARBON BED No. 1	ACTIVATED CARBON BED No. 2	VENT ADSORBER				
DESCRIPTION: MATERIAL	304 S.S.	304 S.S.	STEEL	304 SS			CAST IRON			STEEL				
SIZE	4"	4"	38"x60"				2"			55 GALLON				
CAPACITY	25 GPM @ 60'	25 GPM @ 60'	300 GALLON	90 GPM	600 CFM	600 CFM	52 GPM @ 40'	1800 LBS 1000 CFM	1800 LBS 1000 CFM	170 LBS CARBON				
TEMP/PRESS						36" H_2O								
HP/V/RPM	0.5/460/3450	0.5/460/3450				10/460/3600	0.75/460/3500							
WEIGHT							70 LBS							
MANUFACTURE	GRUNDFOS	GRUNDFOS		NORTHEAST			GOULDS	CALGON	CALGON	ENCOTECH				
MODEL	25S05-3	25S05-3	37415K71	2641			WE0734H	VAPOR PAC	VAPOR PAC	GP550				
VENDOR			McMASTER CARR				PUMP @ COMPRESSOR	CALGON	CALGON	ENCOTECH				

REVISIONS

NO.	DESCRIPTION	MADE BY	APPR. BY	DATE

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FILE NAME: 0215-5020-F001

TreaTek – CRA™ COMPANY

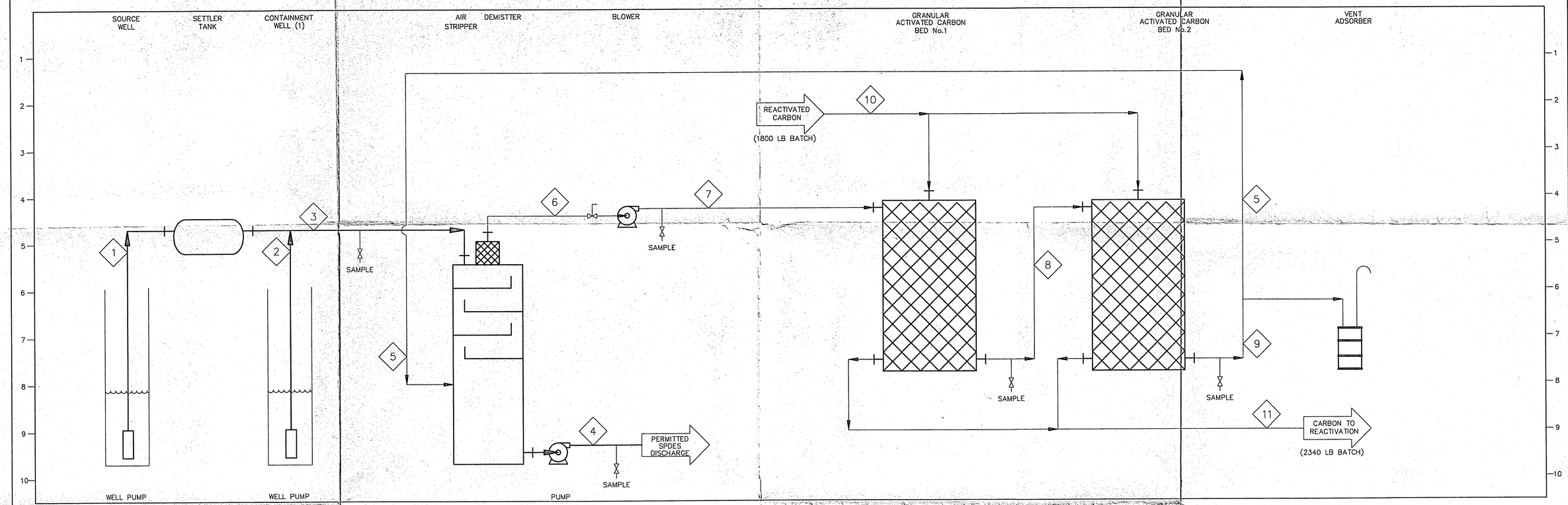
DRAWN BY B.A. BEEBE
DATE 2-5-94
DESIGNED BY
DATE
APPROVED BY
DATE

GROUNDWATER TREATMENT SYSTEM
DOWCRAFT – FALCONER, NY

DWG. D-215-5020 SHT. 2

PROCESS INSTRUMENTATION DIAGRAM

bob March 10, 1994



MATERIAL	MOL. WT.	FREEZING POINT °F	BOILING POINT °F	1	2	3	4	5	6	7	8	9	10	11
WATER	18.0	32	212	180144	420336	600480	600480	5184	5184	5184	5184	5184		
TCE	131.4	−99	189	90.1	8.4	98.5	0.001	0.240	96	96	4.8	0.240		
AIR				0	0	0	0	64800	64800	64800	64800	64800		
CARBON													275	371
TCE (ppb)	131.4	−99	189	500000	20000	164000	2.4	3707	1482888	1482888	74144	3707		
TEMPERATURE °F				50	50	50	50	70	50	70	70	70		
PRESSURE − PSIA				34.7	34.7	34.7	24.7	14.70	14.12	15.42	15.06	14.70		
DENSITY − LBS./CU.FT.				62.4	62.4	62.4	62.4	0.075	0.075	0.079	0.077	0.075		
PRESSURE − H2O								0	−16	20	10	0		
RELATIVE HUMIDITY − %								50	70	70	70	70		
FLOW − GPM				15	35	50	50							
SCFM (0 °C. & 1 ATMOS)								600	600	600	600	600		
ACFM								600	601	572	586	600		
pH														

MATERIAL BALANCE FIGURES IN POUNDS PER DAY WITH DESIGN CAPACITY OF 50 GALLON / MINUTE AT 24 HOURS/ DAY

NO.	REVISIONS	DRAWN	CHKD.	APP.	DATE

LEGEND
- STREAM NUMBER
- GPM
- POUNDS/HR.
- SCFM
- TEMPERATURE F
- PSIA

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FILE NAME: 0215−5020−P001

TreaTek − CRA™ COMPANY

DRAWN BY B.A. BEEBE
DATE 2−5−94
DESIGNED BY
DATE
APPROVED
DATE

GROUNDWATER TREATMENT SYSTEM
DOWCRAFT − FALCONER, NY

DWG. D−215−5020 SHT. 1

PROCESS FLOW SHEET

bab March 10, 1994