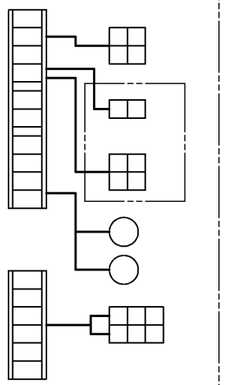


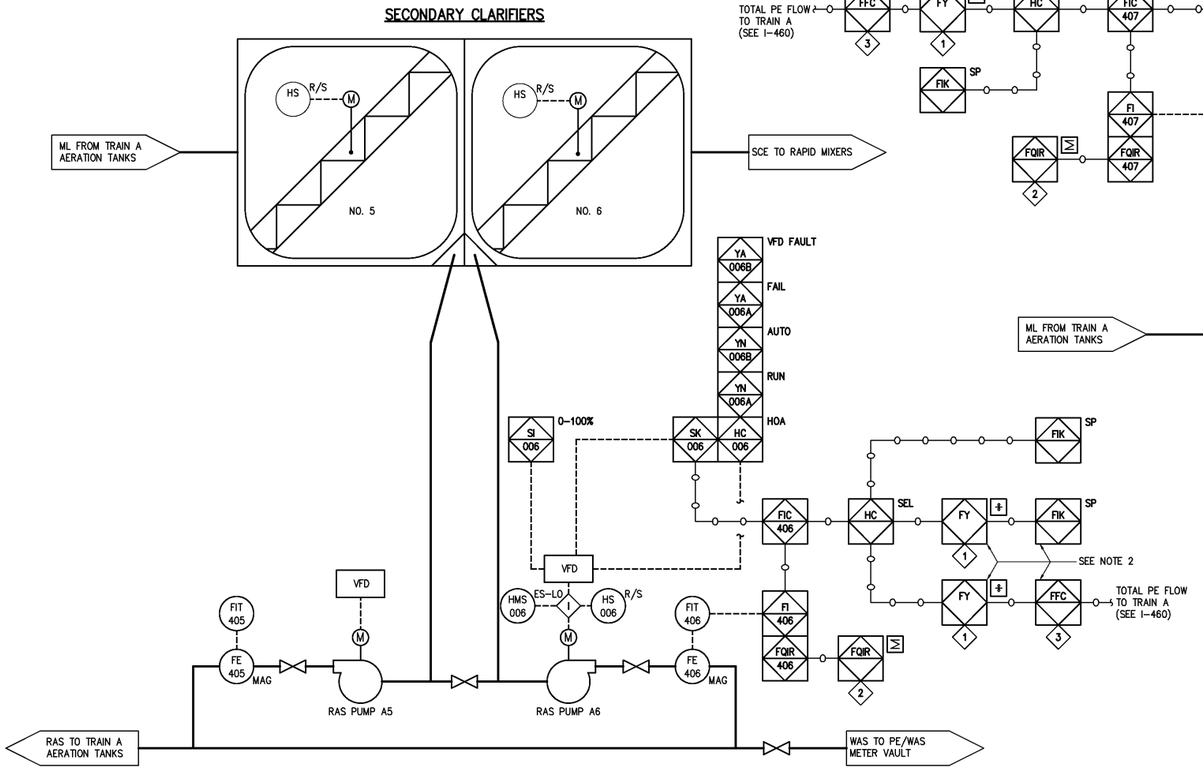
SECONDARY TREATMENT FLOW DIAGRAM

NOTES:

1. ALL SECONDARY TREATMENT TRAIN A TAG NUMBERS ARE PRECEDED BY "42".
2. THESE SOFTWARE FUNCTIONS ARE COMMON TO ALL TRAIN A RAS PUMPS.

INTERLOCK LEGEND:

1. TOTAL RAS FLOW SETPOINT SHALL BE DIVIDED BY THE NUMBER OF PUMPS IN SERVICE.
2. PLC SHALL LOG AND TOTALIZE THE SUM OF ALL TRAIN A RAS FLOWS.
3. PLC SHALL UPDATE THE TOTAL RAS FLOW SETPOINT ONCE PER AN ADJUSTABLE TIME PERIOD INITIALLY SET AT 1 MINUTE.



NO.	ISSUED FOR	DATE	BY
3	AS BUILT	OCT 2007	RLT
2	CONSTRUCTION	MAR 2004	RLT
1	REGULATORY APPROVAL	NOV 2003	RLT

DESIGNED DBE
DRAWN JAD
CHECKED
PROJ. ENGR. DAN
APPROVED

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CITY OF ROANOKE
VIRGINIA

REGIONAL WATER POLLUTION CONTROL PLANT
PROCESS TRAIN IMPROVEMENTS

INSTRUMENTATION AND CONTROL
SECONDARY TREATMENT
TRAIN A - SHEET 2
PROCESS AND INSTRUMENTATION DIAGRAM

THE SCALE BAR SHOWN BELOW MEASURES ONE INCH LONG ON THE ORIGINAL DRAWING.

DATE MARCH 2004
H & S JOB NUMBER 30788B
CONTRACT NUMBER B
DRAWING NUMBER I421

PLOT DATE 01/13/03 9:44am FILE= I:\30788\INSTV400 by PTLAWANSON XREFs=MISC\30788ttb,