

“Industrial Process Water Treatment & Reclamation”

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Water, That Wondrous Fluid



Innovative Solutions
By
Dayton Water Systems

Our History



Founder

R. D. Baker



Dayton Water Systems



Dayton Sofwater Co.

Pre-Treatment of Process Water Methods

- **Methods:**

- **FILTRATION**

- **SOFTENING**

- **RO (REVERSE OSMOSIS)**

- **DI (DEIONIZATION)**

FILTRATION



SOFTENING

Size is dependant upon process requirements.



R. O. (Reverse Osmosis)



D.I. (Deionization)

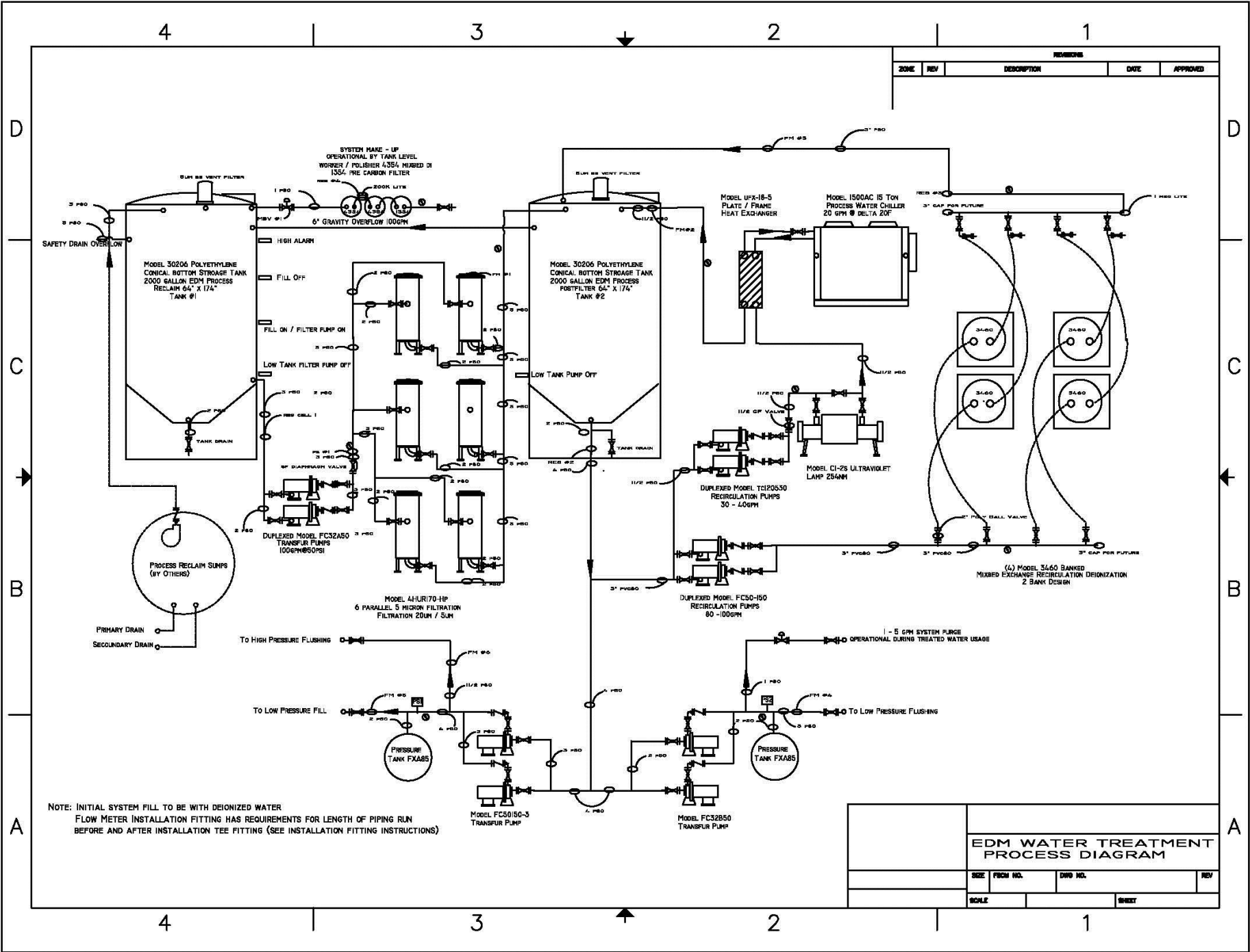


Post-Treatment For Process Water

Recycling

Single Pass Discharge

Reclamation



REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

SYSTEM MAKE - UP
OPERATIONAL BY TANK LEVEL
WORKER / POLISHER 4.354 MIXED DI
135% PRE CARBON FILTER
300K LTR

MODEL 30206 POLYETHYLENE
CONICAL BOTTOM STORAGE TANK
2000 GALLON EDM PROCESS
RECLAIM 64" X 174"
TANK #1

MODEL 30206 POLYETHYLENE
CONICAL BOTTOM STORAGE TANK
2000 GALLON EDM PROCESS
POSTFILTER 64" X 174"
TANK #2

MODEL UPX-16-S
PLATE / FRAME
HEAT EXCHANGER

MODEL 1500AC 15 TON
PROCESS WATER CHILLER
20 GPM @ DELTA 20F

MODEL CI-2S ULTRAVIOLET
LAMP 254NM

DUPLEXED MODEL TC120Q30
RECIRCULATION PUMPS
30 - 100GPM

DUPLEXED MODEL FC50-150
RECIRCULATION PUMPS
80 - 100GPM

(4) MODEL 3460 BANKED
MIXED EXCHANGE RECIRCULATION
DEIONIZATION 2 BANK DESIGN

PROCESS RECLAIM SLIMPS
(BY OTHERS)

MODEL 4HUR170-HP
6 PARALLEL 5 MICRON FILTRATION
FILTRATION 20UM / 5UM

MODEL FC50150-3
TRANSFER PUMP

MODEL FC32B50
TRANSFER PUMP

To HIGH PRESSURE FLUSHING

To LOW PRESSURE FILL

1 - 5 GPM SYSTEM PURGE
OPERATIONAL DURING TREATED WATER USAGE

To LOW PRESSURE FLUSHING

NOTE: INITIAL SYSTEM FILL TO BE WITH DEIONIZED WATER
FLOW METER INSTALLATION FITTING HAS REQUIREMENTS FOR LENGTH OF PIPING RUN
BEFORE AND AFTER INSTALLATION TEE FITTING (SEE INSTALLATION FITTING INSTRUCTIONS)

**EDM WATER TREATMENT
PROCESS DIAGRAM**

SIZE	FORM NO.	DWG NO.	REV
SCALE	SHEET		

For Innovative Solutions



Dayton Water Systems

Innovation Solutions Since 1939