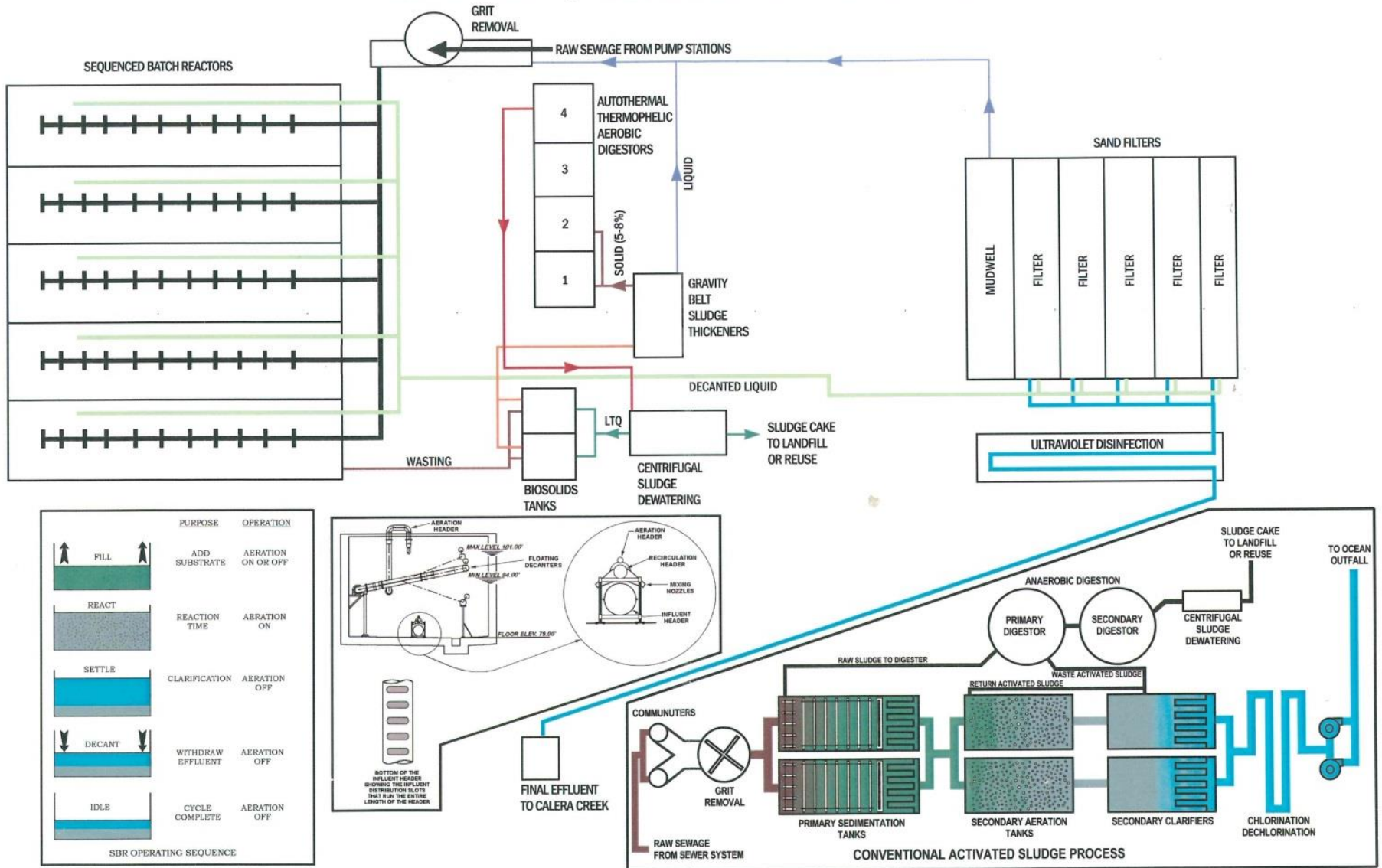


CITY OF PACIFICA, CALERA CREEK W.R.P., FLOW DIAGRAM



SEQUENCED BATCH REACTORS

GRIT REMOVAL

4
3
2
1
AUTOTHERMAL THERMOPHILIC AEROBIC DIGESTORS

LIQUID

SOLID (5-8%)

GRAVITY BELT SLUDGE THICKENERS

SAND FILTERS

MUDWELL
FILTER
FILTER
FILTER
FILTER
FILTER

DECANTED LIQUID

ULTRAVIOLET DISINFECTION

WASTING

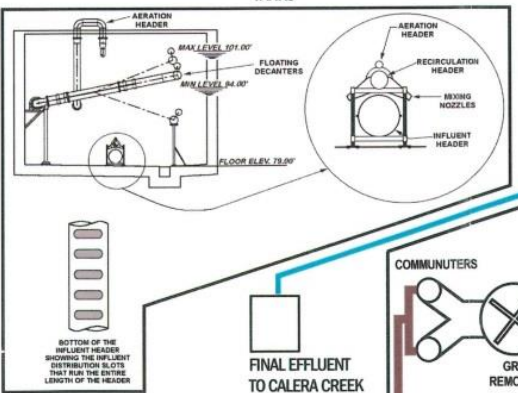
BIOSOLIDS TANKS

LTO
CENTRIFUGAL SLUDGE DEWATERING

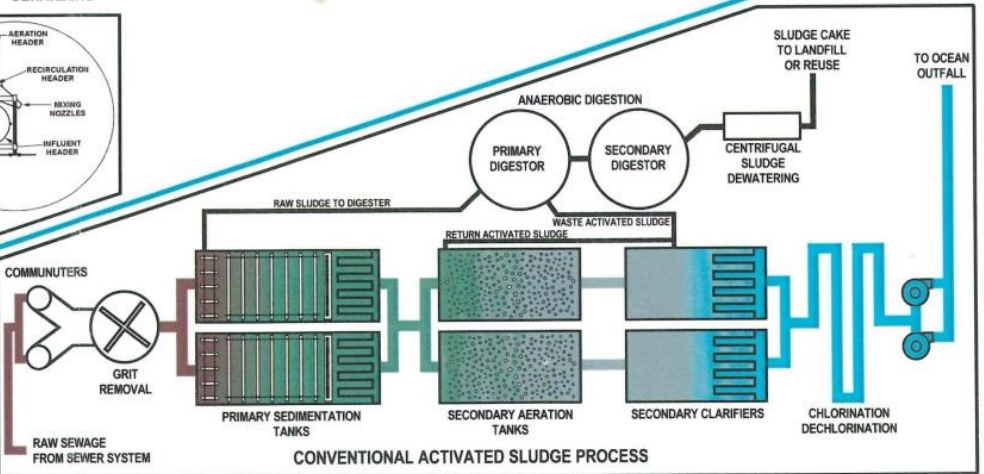
SLUDGE CAKE TO LANDFILL OR REUSE

	PURPOSE	OPERATION
	ADD SUBSTRATE	AERATION ON OR OFF
	REACTION TIME	AERATION ON
	CLARIFICATION	AERATION OFF
	WITHDRAW EFFLUENT	AERATION OFF
	CYCLE COMPLETE	AERATION OFF

SBR OPERATING SEQUENCE



FINAL EFFLUENT TO CALERA CREEK



CONVENTIONAL ACTIVATED SLUDGE PROCESS