



AERATED GRIT CHAMBERS (2)
SEPARATE GRIT (INDIGESTIBLE SOLIDS SUCH AS SAND, GRAVEL, AND SEEDS) FROM THE LIQUID STREAM. GRIT IS DISPOSED OF AT THE LANDFILL SITE IN NOVATO.

INLET SCREEN
REMOVES A WIDE RANGE OF FLOATING AND SUSPENDED MATERIALS FROM THE LIQUID STREAM. THE MATERIAL IS WASHED, COMPACTED, AND THEN DISPOSED OF AT THE LANDFILL SITE IN NOVATO. THIS SCREEN IS SELF-CLEANING.

CLARIFIERS (4)
DETAIN THE FLOW SO THAT SOLIDS CAN SETTLE TO THE BOTTOM WHERE THEY ARE PUMPED TO THE SLUDGE THICKENER.

BIOFILTERS (2)
DISTRIBUTE THE FLOW OVER ROCKS BY WAY OF SLOWLY ROTATING ARMS. ORGANISMS LIVE IN THE ROCKS AND FEED ON THE ORGANIC MATTER IN THE SEWAGE.

FIXED FILM REACTOR
CONTROLS THE AMMONIA CONCENTRATION IN THE EFFLUENT.

DEEP-BED FILTERS
CONTAIN A FOUR-FOOT LAYER OF COARSE ANTHRACITE, WHICH FILTERS THE PEAK WET-WEATHER FLOWS FROM THE PRIMARY SYSTEM.

SODIUM HYPOCHLORITE
PROTECTS PUBLIC HEALTH BY KILLING ANY REMAINING BACTERIA.

SODIUM BIO-SULFITE
PROTECTS MARINE LIFE BY NEUTRALIZING ANY REMAINING CHLORINE.

SLUDGE PROCESSING

A THICKENER REDUCES THE MOISTURE CONTENT; DIGESTERS DRIVE OFF METHANE; AND SLUDGE PONDS STORE THE SLUDGE PRIOR TO ITS INJECTION INTO A FIELD DEDICATED TO SLUDGE. METHANE DRIVES A GENERATOR TO HELP RUN THE TREATMENT PLANT AND FIRES A BOILER TO HEAT THE PRIMARY DIGESTER.