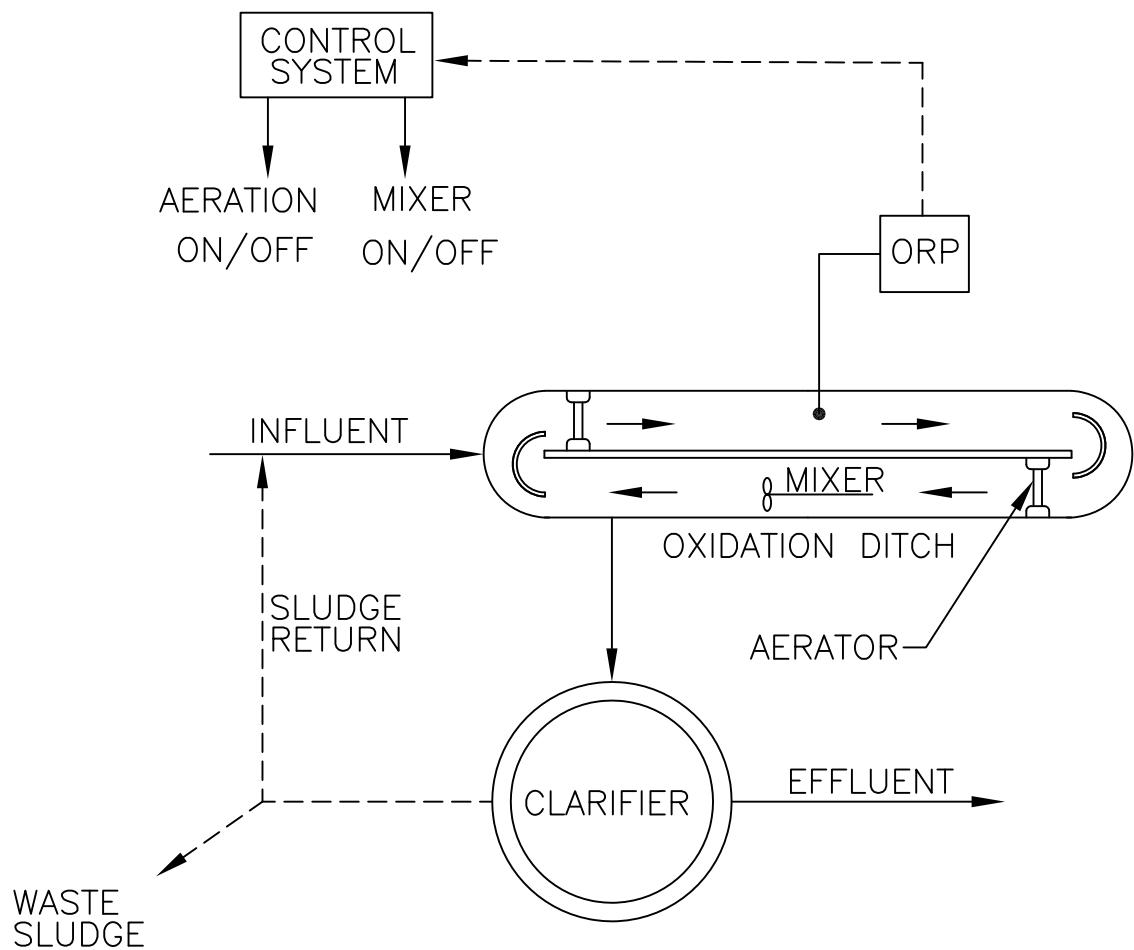


FIGURE 1A

OXIDATION DITCH WITH
AUTOMATED CONTROL SYSTEM
AND EXTERNAL CLARIFIER



OPERATING SEQUENCE

1. AERATION ON
MIXER OFF NITRIFICATION – PRODUCE NITRATE,
BOD OXIDATION AND PARTICULATE
OXIDATION
2. AERATION OFF
MIXER ON NITRATE REDUCTION
SBOD OXIDATION BY NON-FILAMENTOUS
ORGANISMS UNDER ANOXIC CONDITIONS