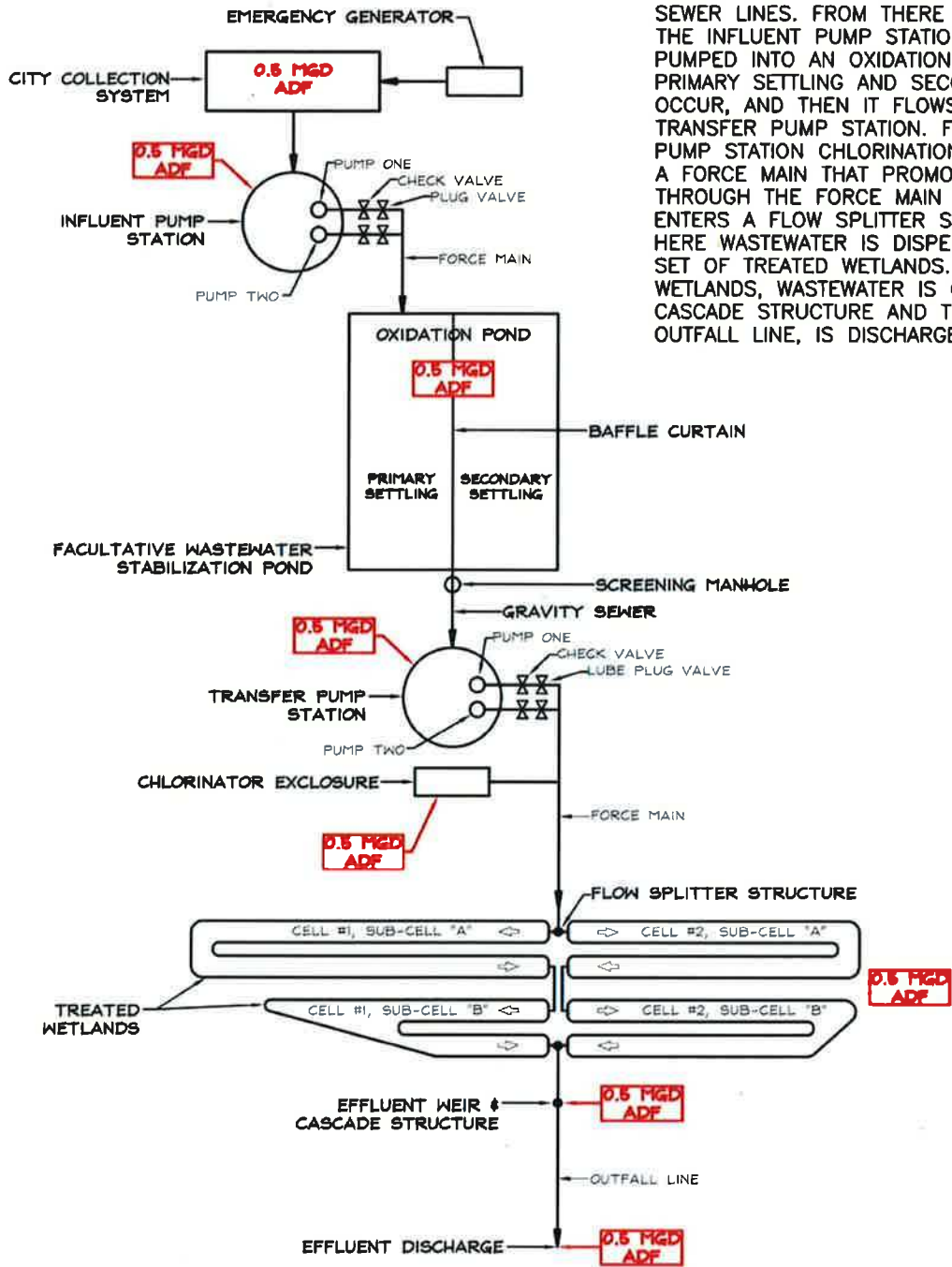


LAKELAND'S WWTF - 0.5 MGD INFLUENT ENTERS THE PLANT THROUGH TWO GRAVITY SEWER LINES. FROM THERE IT IS CONVEYED TO THE INFLUENT PUMP STATION. THE FLOW IS PUMPED INTO AN OXIDATION POND WHERE PRIMARY SETTLING AND SECONDARY SETTLING OCCUR, AND THEN IT FLOWS BY GRAVITY TO A TRANSFER PUMP STATION. FROM THE TRANSFER PUMP STATION CHLORINATION IS INJECTED INTO A FORCE MAIN THAT PROMOTES CONTACT TIME. THROUGH THE FORCE MAIN WASTEWATER ENTERS A FLOW SPLITTER STRUCTURE. FROM HERE WASTEWATER IS DISPERSED THROUGH A SET OF TREATED WETLANDS. AFTER THE WETLANDS, WASTEWATER IS OXYGENATED AT A CASCADE STRUCTURE AND THEN, VIA AN OUTFALL LINE, IS DISCHARGED INTO BIG CREEK.



PROCESS FLOW DIAGRAM



Carter & Sloop

CONSULTING ENGINEERS

MACON ♦ ALBANY ♦ ATHENS ♦ CANTON ♦ SAVANNAH

2620 DAWSON ROAD, SUITE B . ALBANY, GA 31707 . 229.317.4220 TEL . 229.317.4225 FAX

NPDES PERMIT RENEWAL
FOR THE
CITY OF LAKELAND
LANIER COUNTY, GEORGIA