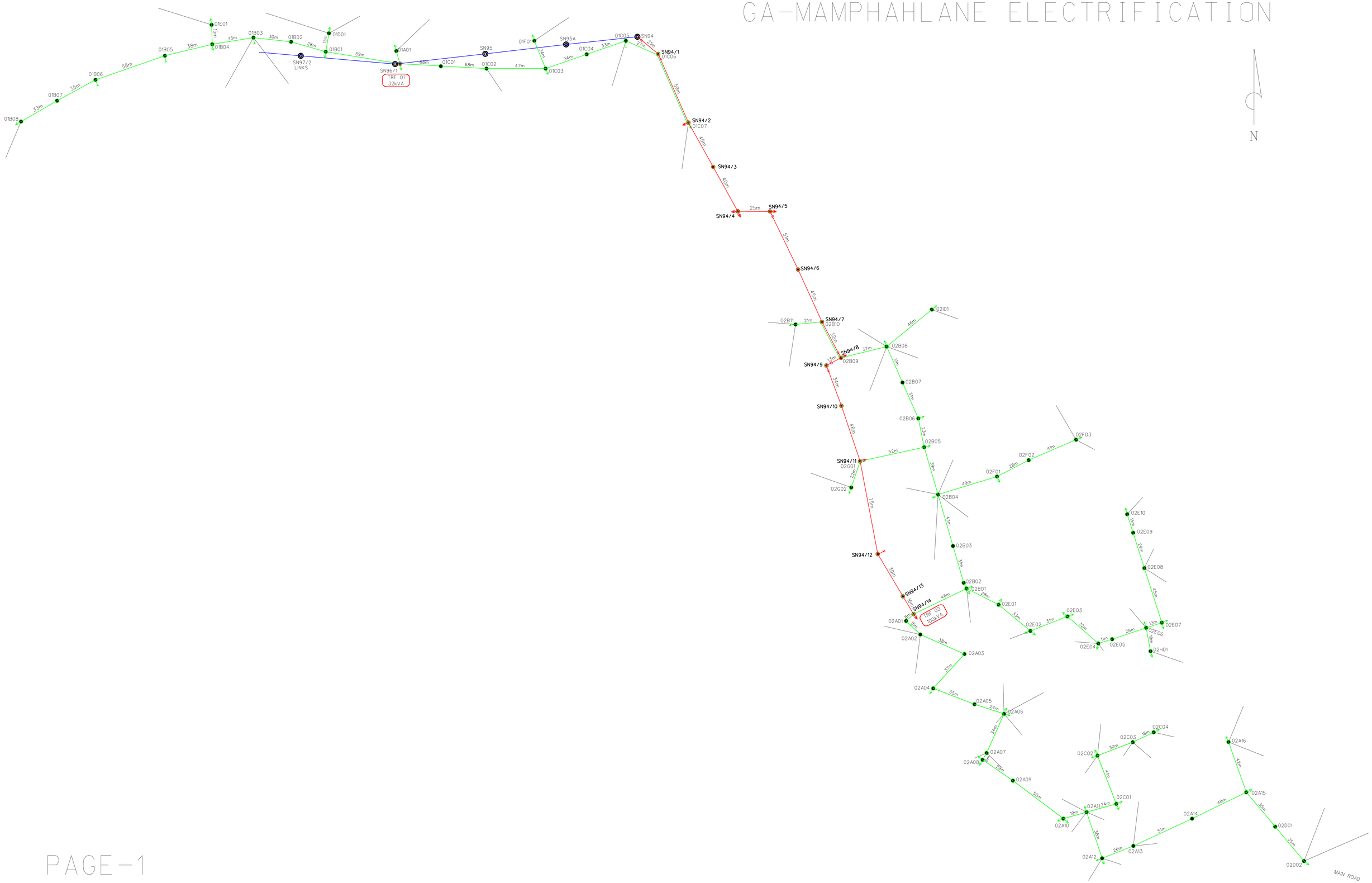GA-MAMPHAHLANE ELECTRIFICATION