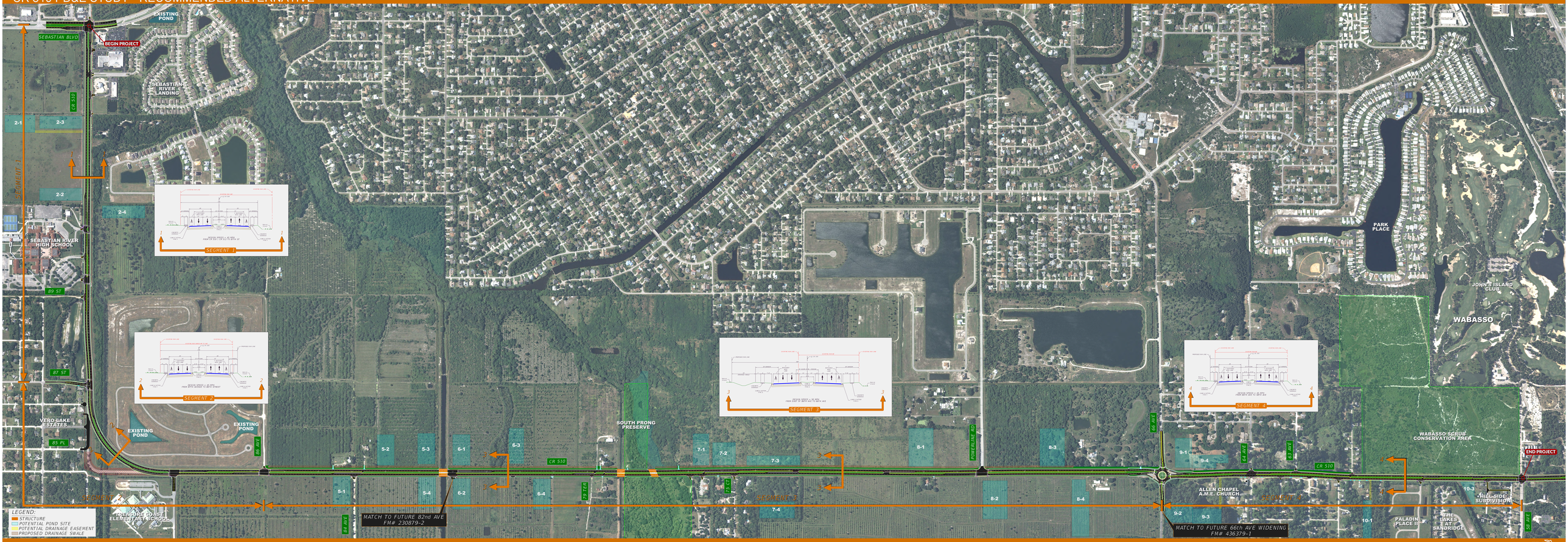CR 510 PD&E STUDY - RECOMMENDED ALTERNATIVE