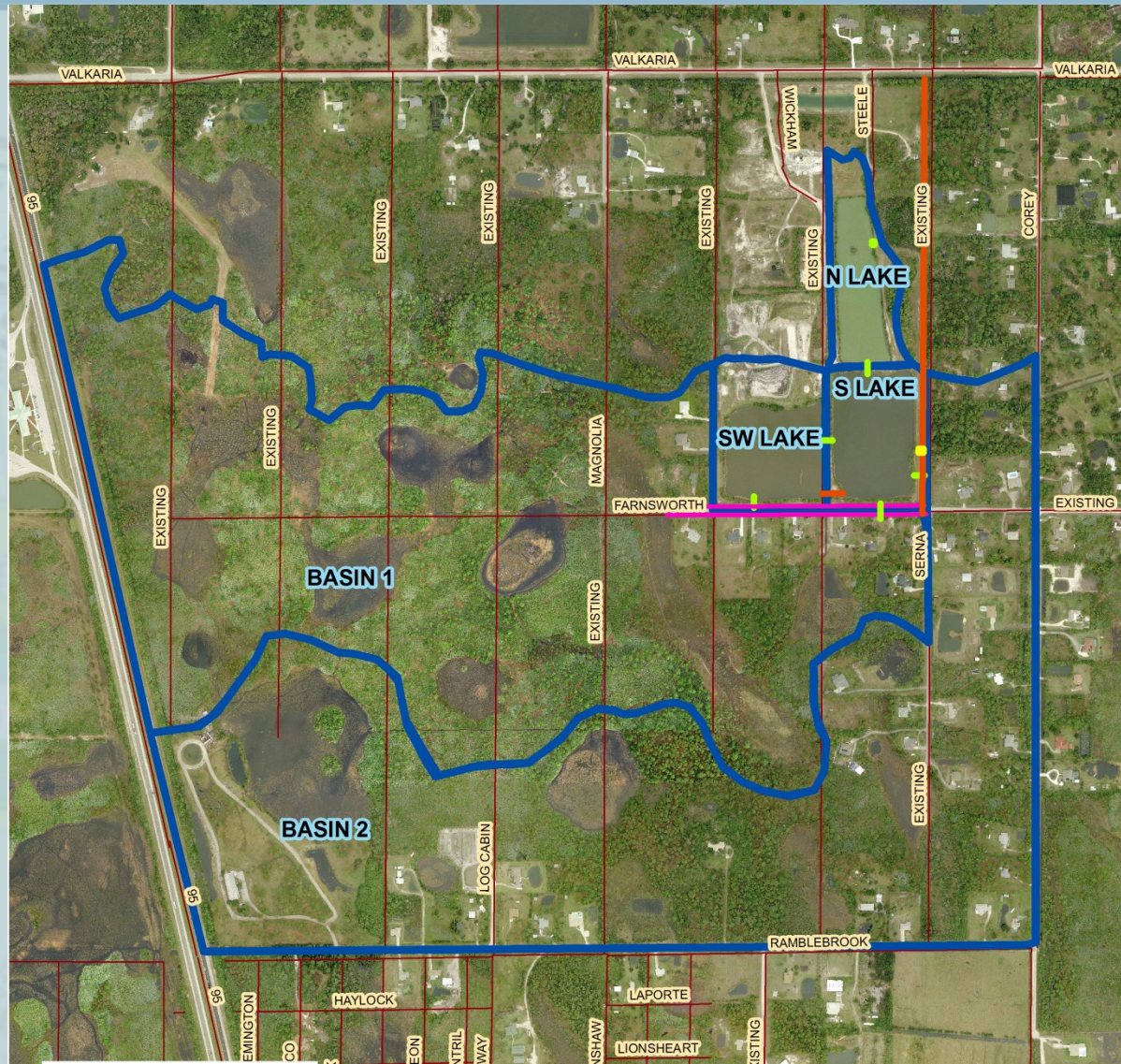


Valkaria Lakes

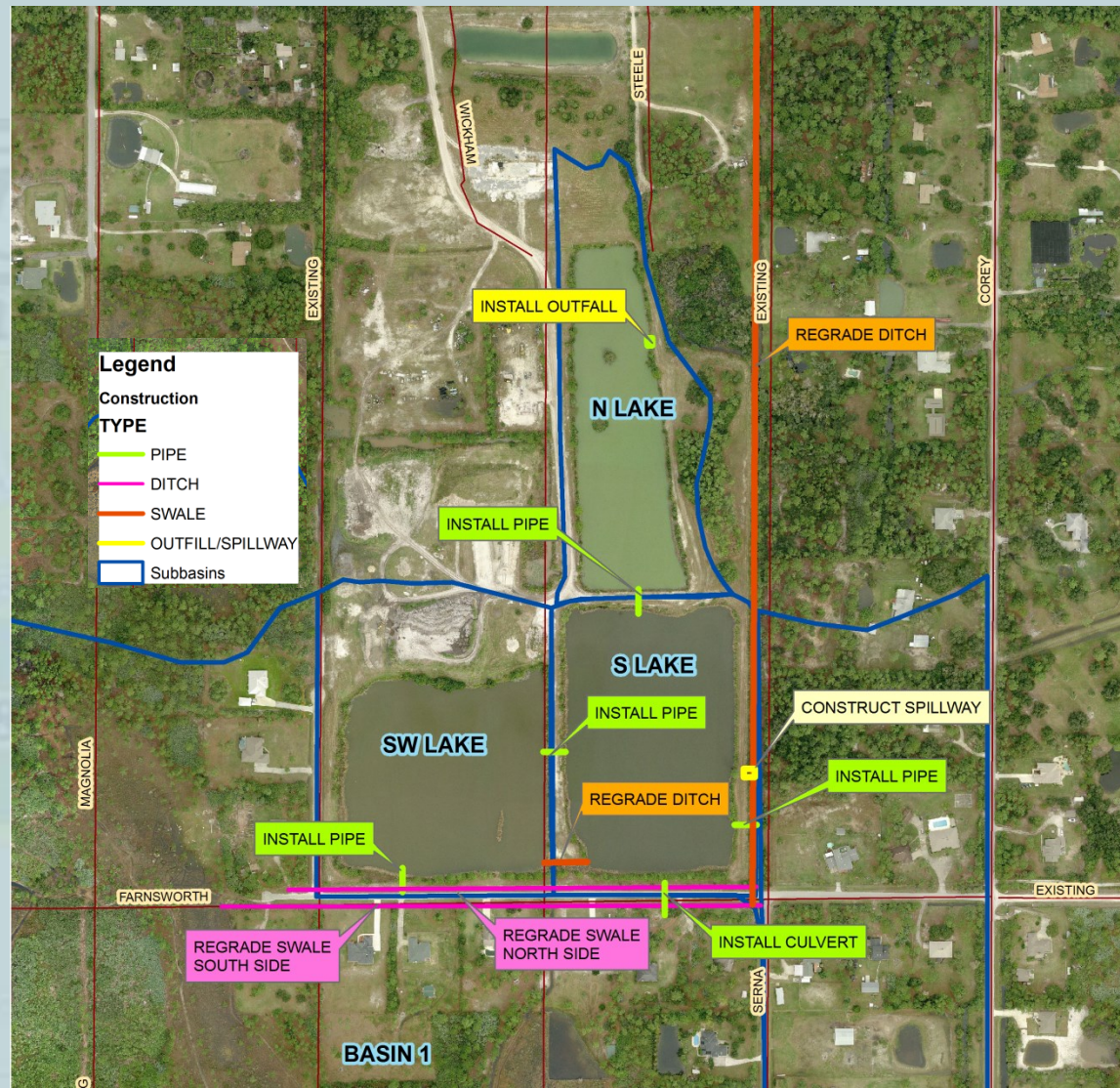
Water Quality Improvement Project

- Three existing borrow pits converted into wet detention.
- Re-grading of existing swales and drainage ditches, placement of multiple culverts, and installation of a large, broad-crested weir.
- System diverts, captures, and provides water quality treatment for 480 acres of previously untreated drainage area prior to discharging to the IRL.

Basin Map



Pond Design & Construction



Project Info

- Total Project Cost: \$195,000 for Design, Permitting, Construction, initial Monitoring, & Outreach
- Secured a CWA Section 319 Grant: 60%-40% match.
- SJRWMD Environmental Resource Permitting concerns:
 - Pre-treatment for north borrow pit & wetland avoidance.
- Construction completion time = six months.
- Estimated removal rates and cost for lb/yr (based on grant values):
 - TP = 397 lbs/year @ \$491 lb/yr
 - TN = 1636 lbs/year @ \$119 lb/yr
 - TSS = 34,810 lbs/year @ \$5.60 lb/yr
- Monitoring - 7 Events captured. Data currently being analyzed.