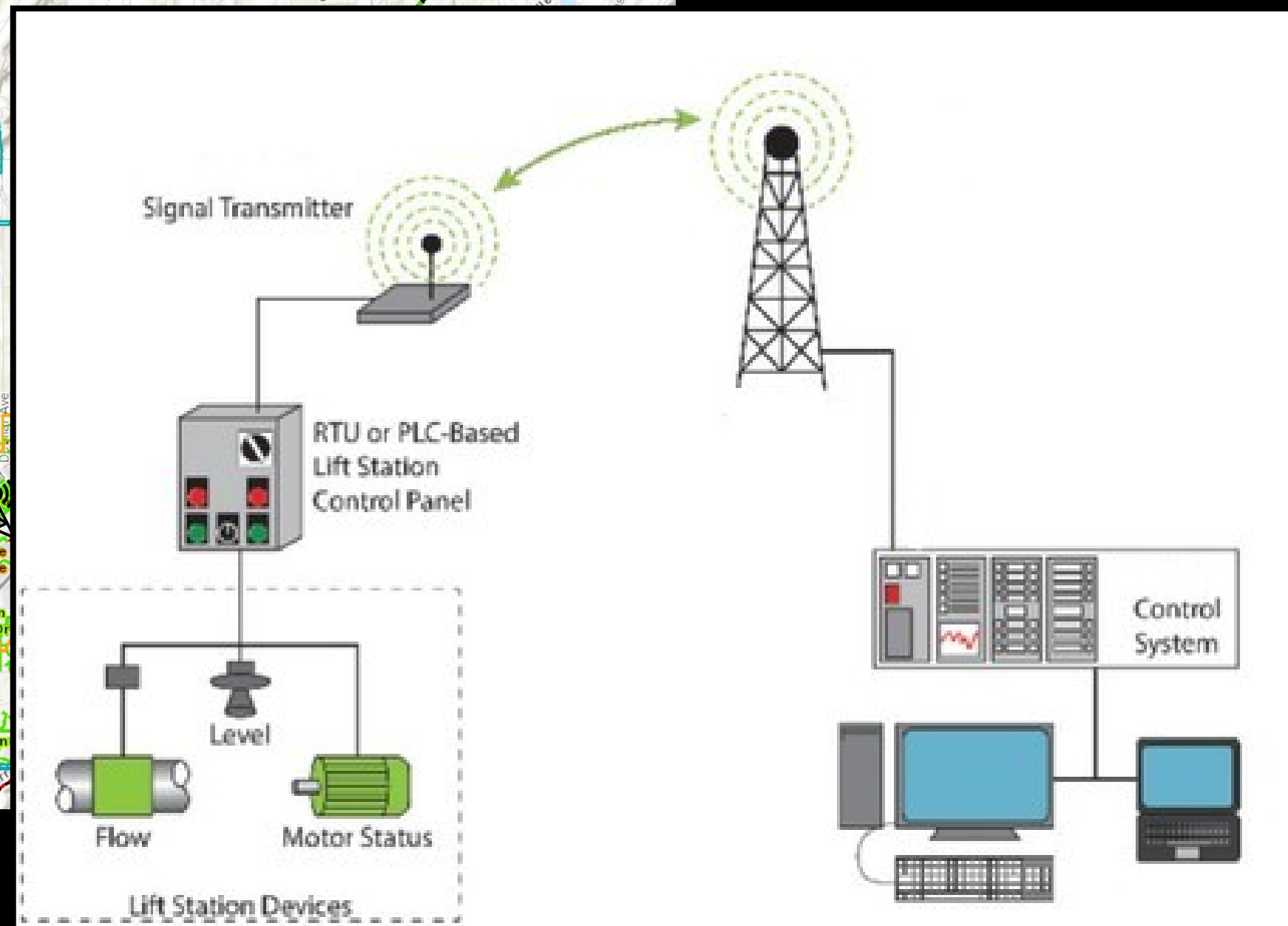
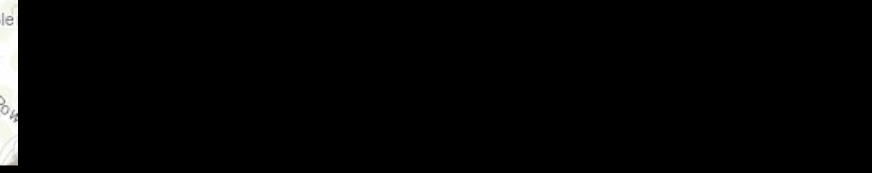
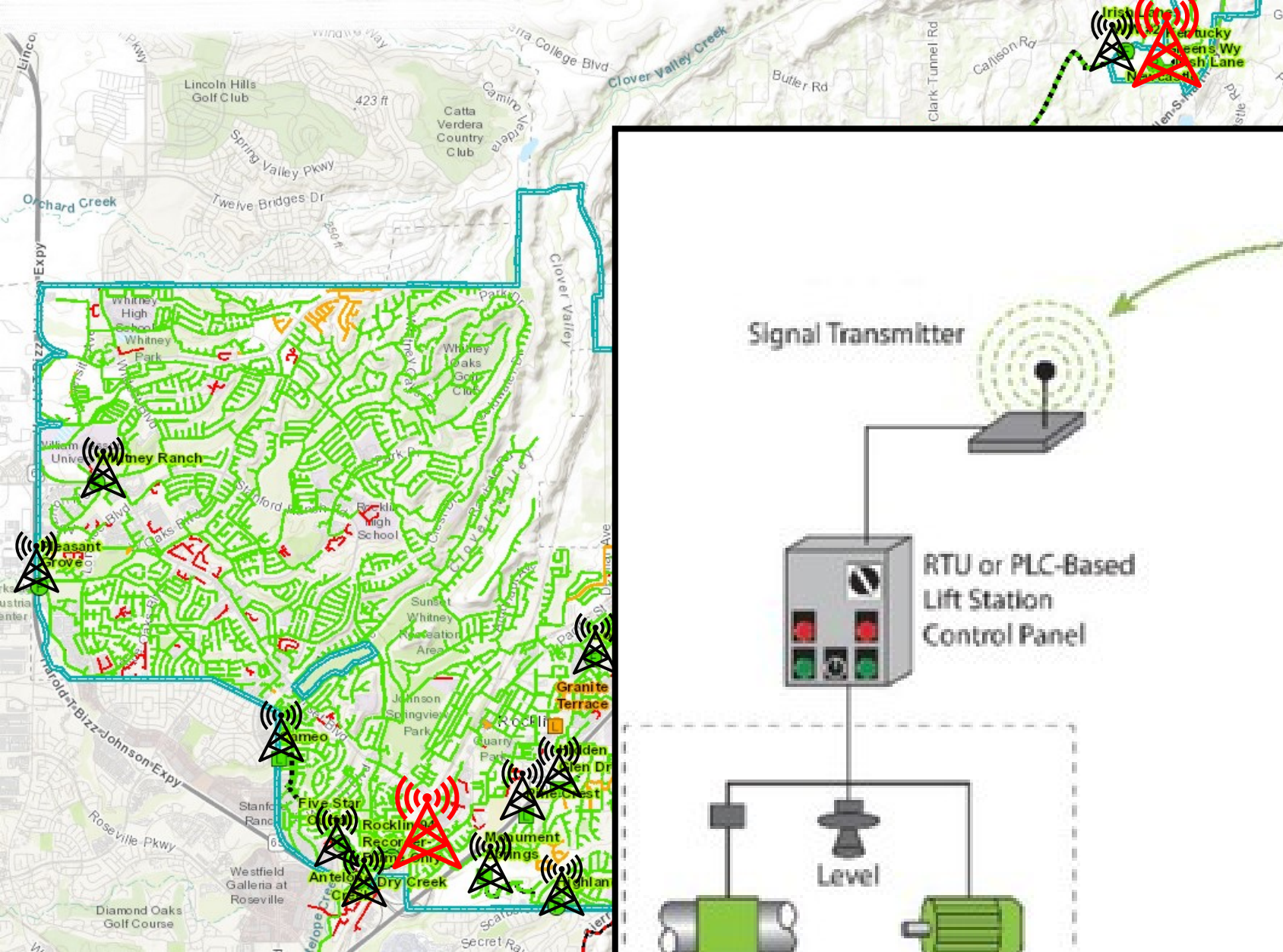


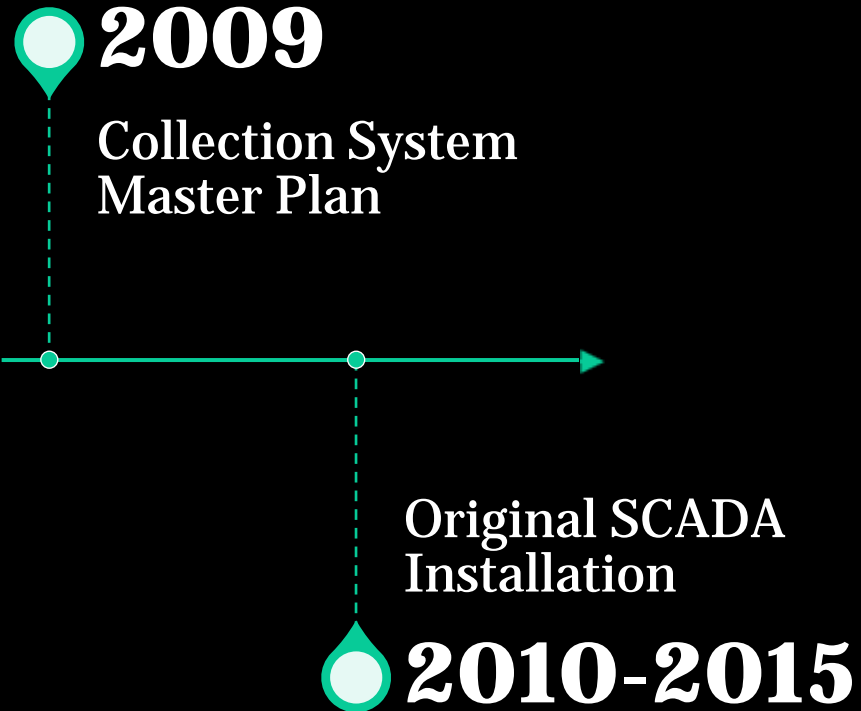
SCADA Master Plan

June 2, 2022





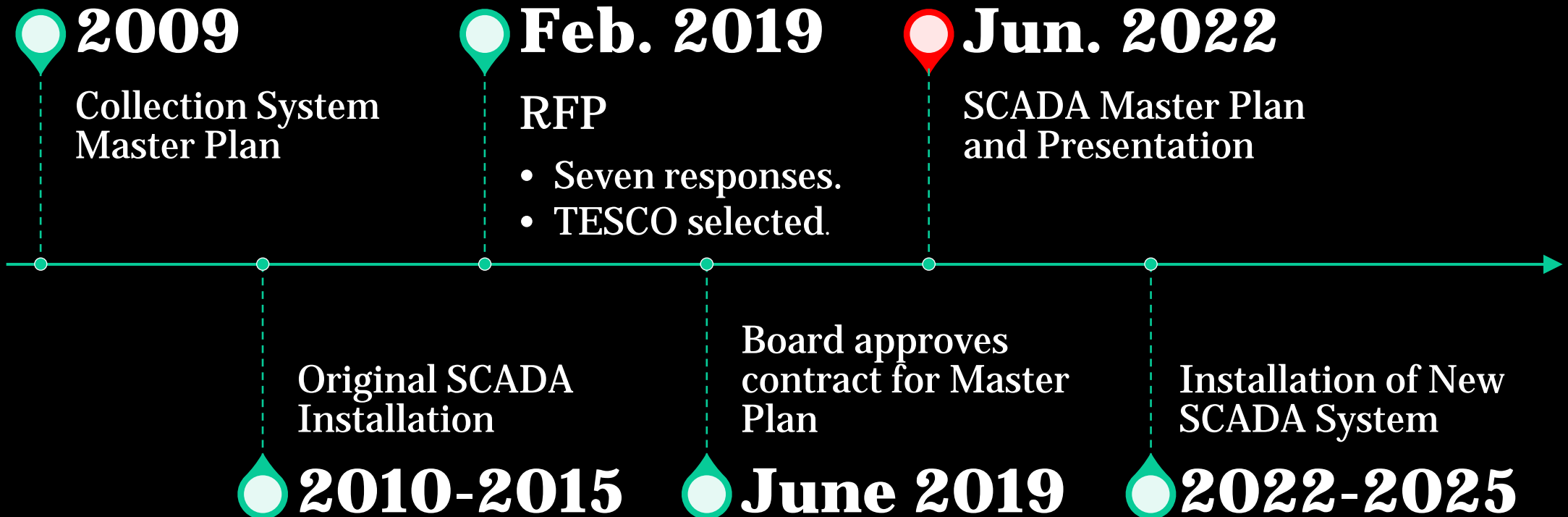
History



Reasons for Master Plan

- Current system
 - Proprietary architecture
 - RTU hardware and radio frequency
 - Concerns over long-term cybersecurity
 - Limited functionality
 - Limited support channel
- Future development
 - SPMUD/Developers only have one option for new sites

Timeline



Costs

Phase 1	(Estimated Duration 18 months)
Project Management, Engineering Design	\$429,000
Central PCS/SCADA (hardware, software, services)	\$705,000
Network + Radio Telemetry	\$230,000
Phase 1 Sites (Corp Yard, Repeater, Flow Recorder)	\$871,000
Field Deployment, Spare Parts, Electrical	\$275,000
Shipping, Bonds, Insurance, Tax, Contingency	\$370,000
SUBTOTAL	~ \$ 2.9 M

Costs

Phase 2	(Estimated Duration 18 months)
Project Management, Engineering Support	\$80,000
Phase 2 Sites (Lift Stations)	\$2,673,000
Field Deployment, Spare Parts, Electrical	\$300,000
Shipping, Bonds, Insurance, Tax, Contingency	\$502,000
SUBTOTAL	~ \$ 3.6 M

Questions & Discussion