



GWEN LAKE PROJECT PROGRESS

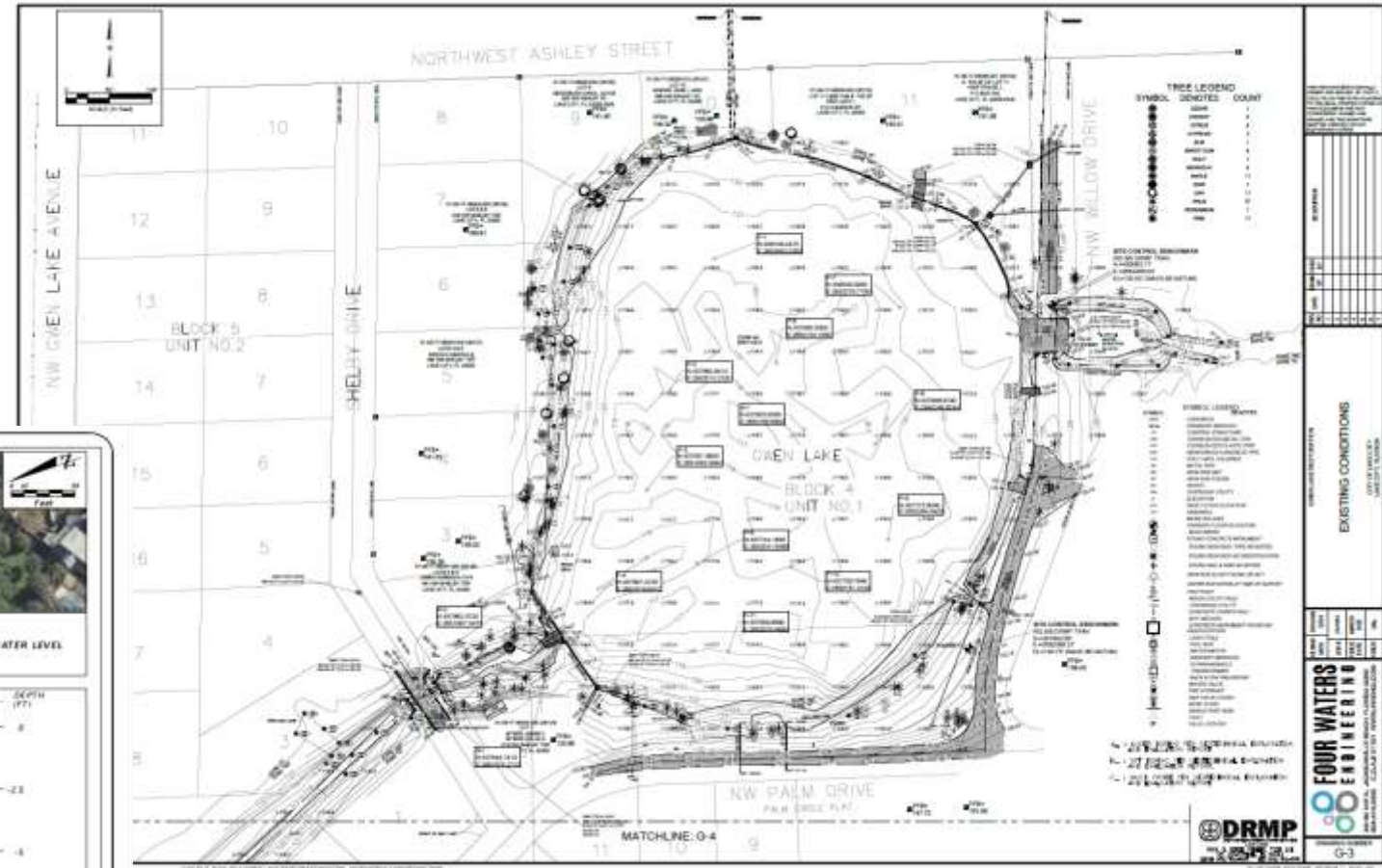
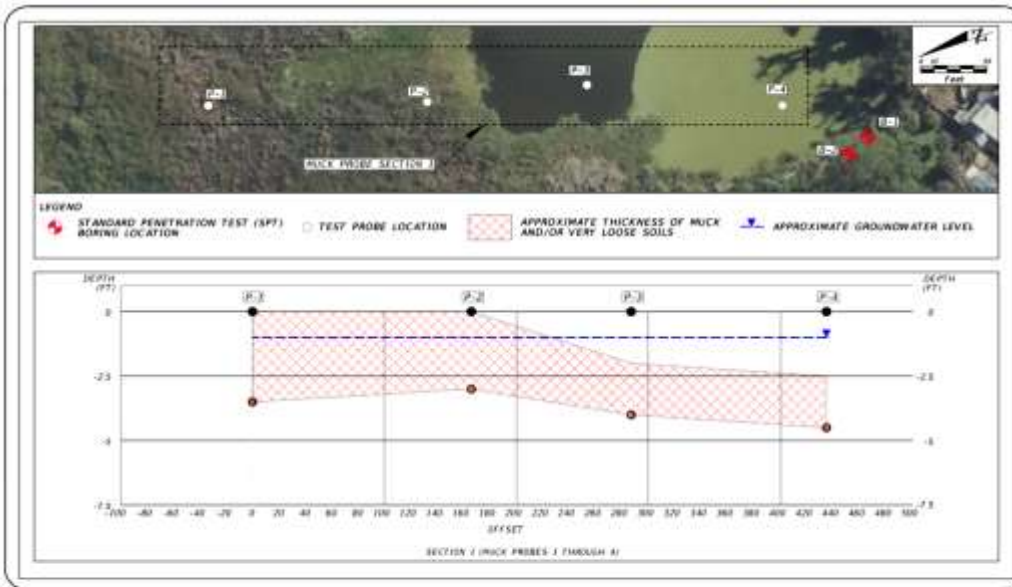


april 7, 2025

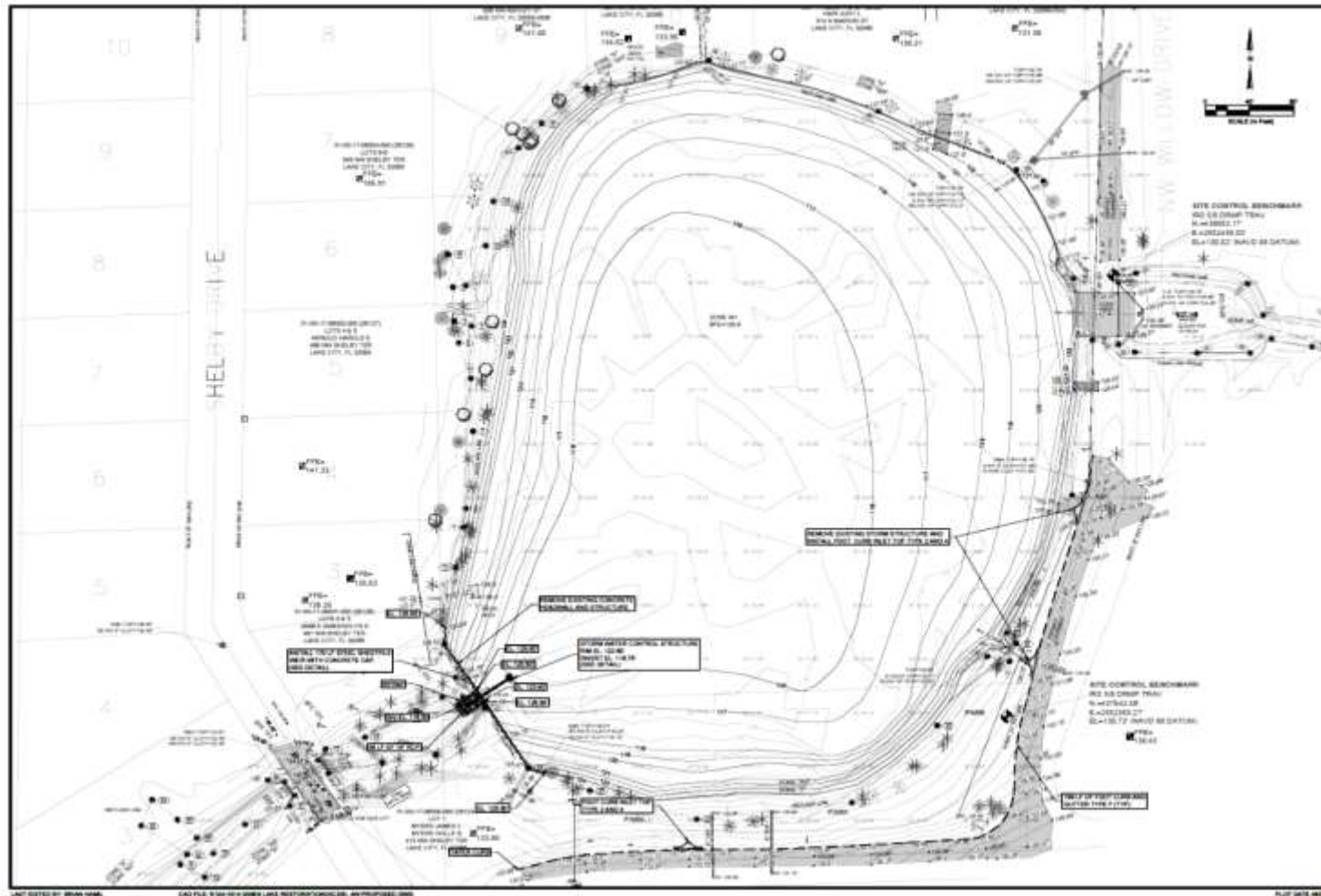


Existing conditions

- Survey
- Wetlands Delineated
- Soil Samples, Muck Probing, SPTs



PROPOSED CONCEPTUAL LAKE RESTORATION

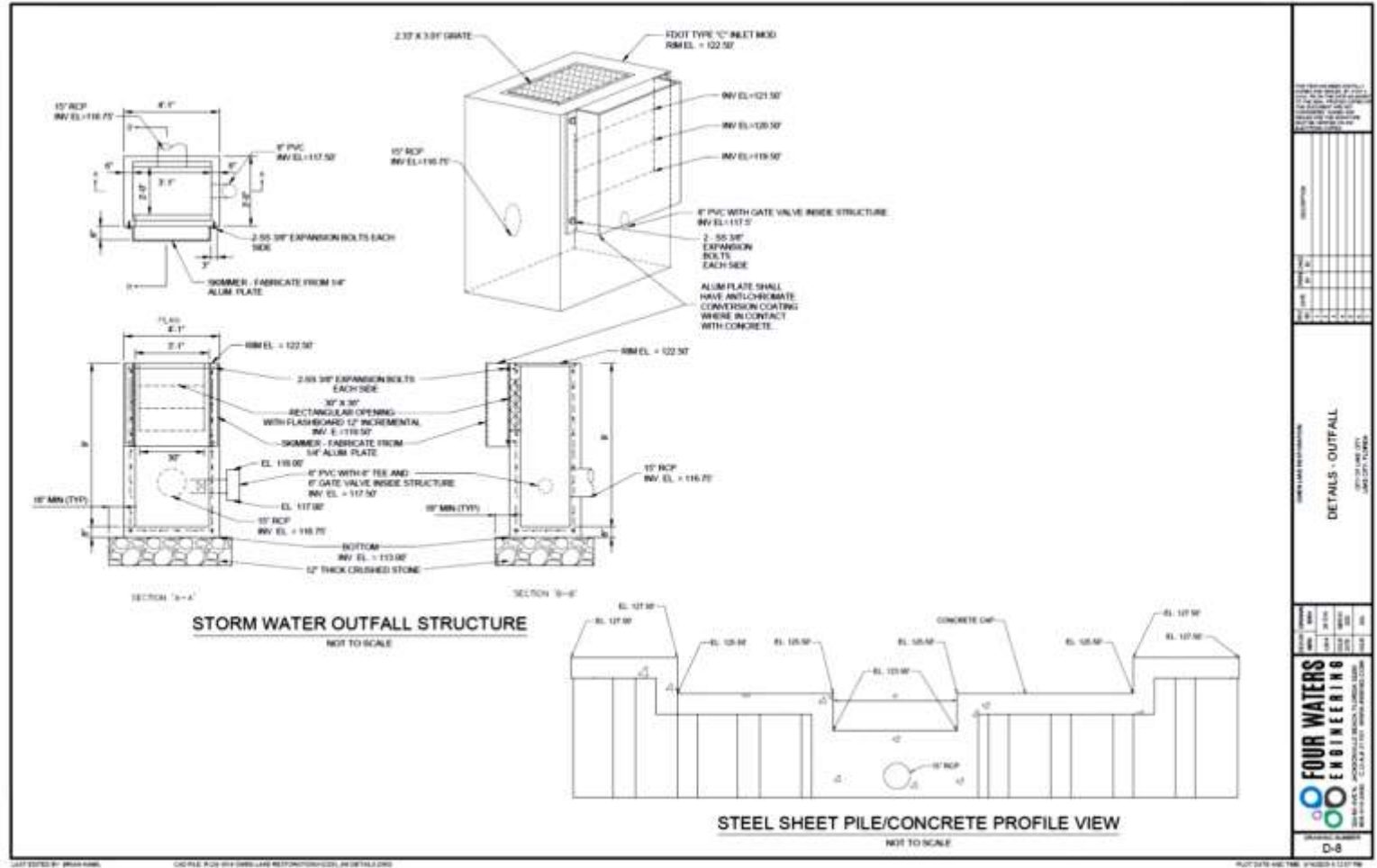


Elevation	Existing Grade (SF)	Proposed Grade (SF)	Net (SF)
116'	0	109,612	109,612
117'	6,501	155,198	148,697
118'	44,546	205,238	160,692
119'	111,011	231,722	120,711
120'	164,130	258,502	94,372
121'	224,154	276,663	52,509
122'	260,956	286,464	25,508
123'	289,708	295,442	5,734
124'	303,842	303,527	-315
125'	310,942	311,345	403

Cumulative Volume (CF)	
Existing	1,312,083
Proposed	2,018,833
Net	706,750

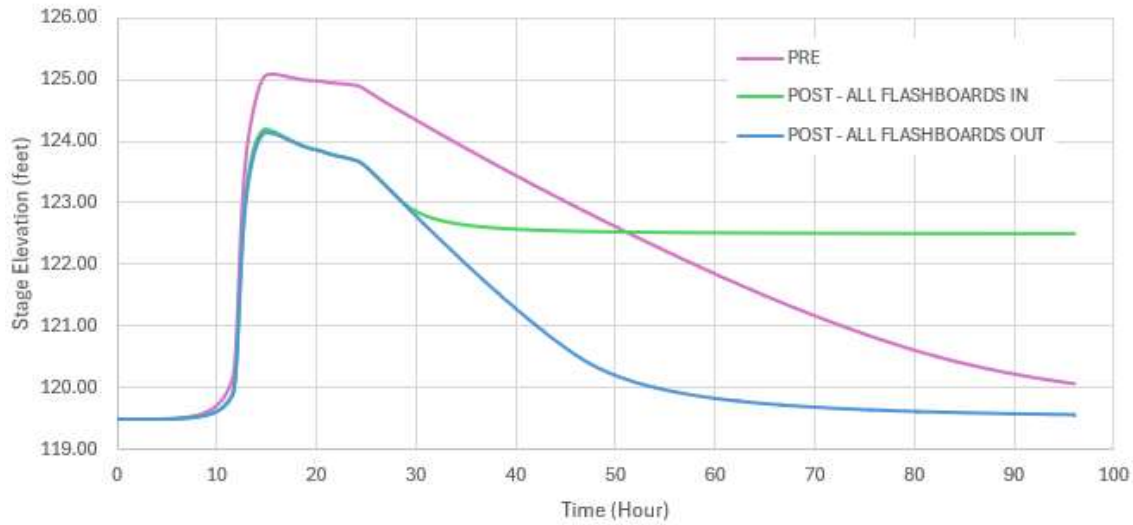


PROPOSED CONCEPTUAL DAM & OUTFALL IMPROVEMENTS

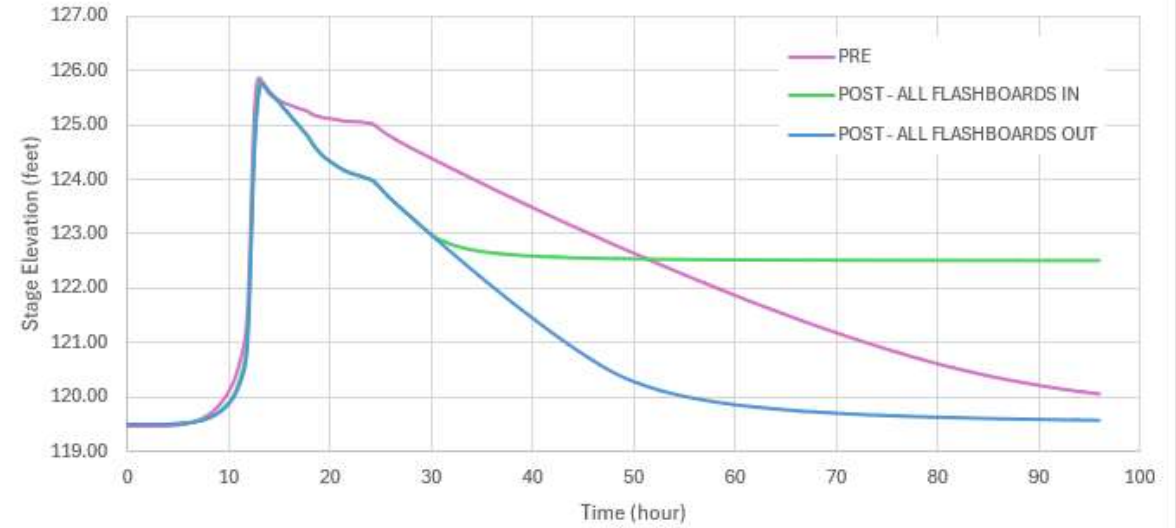


CONCEPTUAL MODEL PROGRESS

10-YEAR STORM EVENT



100-YEAR STORM EVENT



PERMITTING

GWEN LAKE CAN LIKELY BE SELF-MITIGATING - NO ADDITIONAL WETLAND MITIGATION

ADDITIONAL SEDIMENTATION IMPROVEMENTS REQUESTED BY WMD

STRUCTURAL VEGETATION PLANTINGS AS PART OF RESTORATION REQUESTED BY WMD.

DEWATERING PLAN TO BE INCLUDED IN PERMIT SUBMITTAL

USACE PERMITTING - BELIEVED TO BE NON-JURISDICTIONAL, ISOLATED BASIN

STORMWATER MODEL TO SHOW NEGLIGIBLE IMPACT FROM PRE-FAILURE

ANOTHER PRE-APPLICATION MEETING TO BE SCHEDULED WITH SRWMD AFTER CONCEPTUAL DESIGN COMPLETED

FUNDING STATUS

Grantor	Grant Opportunity	Date Applied	Status	Amount	Comments
FDEP	Water Quality Improvements Grant	7/29/2024	Pending	\$2,000,000.00	Pending decision
FDEP	Wetlands Restoration and Protection Grant	7/29/2024	Pending	\$2,000,000.00	Pending decision
County	Hazard Mitigation Grant Program	In Process	Pending	\$2,500,000.00	Pending decision



schedule

	2025										2026	
	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb
Data Collection												
Modeling												
Conceptual												
Permitting												
90% Design												
100% Design												



questions

