

ORLO VISTA FLOOD MITIGATION PROJECT UPDATE

October 10, 2025

❖ CONSTRUCTION PROGRESS

Orlo Vista Flood Mitigation Construction project is a large project that incorporates three ponds: West, North, and South ponds (see Figure 1). The project also encompasses four main items: excavation, geoweb installation (erosion control), pump station, and pipe installation. The table below shows the progress of the project for each of these items.

To date we have completed approximately 100% of the total project.

Table 1 - Project Summary Table

Item	Total	To Date	% Completed
Excavation	439,030 cy	525,978 cy	119%
Geoweb Installation	785,999 sf	785,999	100%
48" RCP Installation	713 lf	713 lf	100%
48" HDPE Force Main Pipe	1074 lf	1074 lf	100%
48" Steel Pipe	71 lf	71 lf	100%
Pump Station	1		100%

FACTS:

- The project remains on schedule for Final Completion at the end of October 2025.
- All ponds are excavated
- A total of 525,978 cubic yards of material were excavated. This is equivalent to 29,221 dump trucks.
- Pump station installation and electrical work are complete
- Generator and transformer installations are complete, and system testing is underway.
- Crews are focused on final restoration, sodding, and site stabilization.

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Figure 1 - Orlo Vista Ponds

Below is a detailed description of the construction progress to date.

North Pond:

Excavation and Geoweb Installation: Fully Completed (95,700 cubic yards of material were excavated).

South Pond:

Excavation and Geoweb Installation: Fully Completed (58,356 cubic yards of material were excavated).

West Pond:

Excavation and Geoweb Installation: Fully Completed (371,922 cubic yards of material were excavated).

Pump Station:

- Structural, mechanical, and electrical work fully complete
- Pump and generator testing performed in late September: final adjustments ongoing
- Coordination with Duke Energy finalized
- Final operational testing and system certification to occur in October

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UPCOMING WORK:

- Final pump station performance testing
- Completion of site-wide sodding and restoration
- Final inspection and acceptance by Orange County and EDA
- Submission of closeout documentation and warranties
- Final Completion date of October 28, 2025

During the month of September, the contractor continued closeout activities following Substantial Completion, with efforts focused on final restoration and testing. Crews completed grading and sodding throughout the site, addressed minor washouts along the pond slopes, and performed adjustments to the pump station and electrical systems. Testing of the generator and pump assemblies was initiated and is nearing completion.

Currently, the contractor is finalizing restoration efforts and completing the remaining punch list items. All major construction activities have concluded, and the project team is preparing for final inspections and acceptance. These final activities, including system testing and site stabilization, are expected to culminate in **Final Completion by the end of October 2025.**