

# ORLO VISTA FLOOD MITIGATION PROJECT UPDATE

## July 2, 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 99.5% of the total project.

*Table 1 - Project Summary Table*

Item	Total	To Date	% Completed
<b>Excavation</b>	439,030 cy	525,978 cy	119%
<b>Geoweb Installation</b>	785,999 sf	785,999	100%
<b>48" RCP Installation</b>	713 lf	713 lf	100%
<b>48" HDPE Force Main Pipe</b>	1074 lf	1074 lf	100%
<b>48" Steel Pipe</b>	71 lf	71 lf	100%
<b>Pump Station</b>	1		99.5%

### FACTS:

- The overall project is expected to be completed by August 2025.
- All ponds are excavated
- A total of 525,978 cubic yards of material were excavated. This is equivalent to 29,221 dump trucks.
- Demolition of existing pump station complete.
- Backfilling of the pump station area is complete.
- The valve components have been installed in the pump station.
- The new pumps have been installed.
- The electrical building is installed.
- Electrical components are currently being installed.

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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:

Construction: Complete.

Electrical work: Ongoing

### ➤ Completed Work:

- Set Pumps
- Conduit from E-Building to intake structure
- Generator installation.
- Catwalk and handrail Installation
- Installation of 48" RCP (31 LF) in West Pond
- Installation of 48" HDPE FM 1074 LF
- Tie into existing FM at existing pump station
- Duke Energy Transformer installation

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- Upcoming Work:
  - Sodding ongoing of areas disturbed by construction
  - Electrical tie in work from E-Building to Pump Station continues
  - Obtain power to E-building
  - Generator testing
  - Final turnover and testing of new pump station

During the month of June, significant progress was made toward project closeout. Crews focused on finalizing electrical installations at the E-Building and tying in key components, such as the generator and wet well. Subcontractors completed cable testing, formed and poured new concrete pads, and addressed outstanding punch list items.

Site restoration efforts also ramped up, including grading, sodding, hydroseeding, and environmental stabilization. Coordination continued with Duke Energy and FDEP to prepare for power connection and generator testing, while de-mobilization of excess materials continued across the site.

Final preparations are underway for the startup phase, including coordination with specialty subcontractors and compliance inspections.