

ORLO VISTA FLOOD MITIGATION PROJECT UPDATE

February 18, 2025

❖ CONSTRUCTION PROGRESS

The Notice To Proceed for the Orlo Vista Flood Mitigation Construction project was issued on March 13, 2023. To date we have completed approximately 95% of the total project.

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.

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	120 lf	11%
48" Steel Pipe	71 lf	35 lf	49%
Pump Station	1		98%

FACTS:

- The overall project is expected to be completed by Spring 2025.
- All ponds are excavated
- 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 to be installed this month.
- Demolition of existing pump station ongoing.
- A total of 525,978 cubic yards of material were excavated. This is equivalent to 29,221 dump trucks.
- To date, the project is on budget.

ORLO VISTA FLOOD MITIGATION PROJECT UPDATE

February 18, 2025



Figure 1 - Orlo Vista Ponds

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

North Pond:

- Excavation: Completed (95,700 cubic yards of material, 100% complete)).
- Geoweb Installation: Fully installed.
- Ground Stabilization: Hydroseed placed above Geoweb, with sod installation ongoing.
- Installed sod above Geoweb west side of North Pond

South Pond:

- Excavation: Completed (58,356 cubic yards of material, 100% complete).
- Geoweb Installation: Fully installed
- Ground Stabilization: Hydroseed placed above Geoweb, with sod installation ongoing.
- Installed sod above Geoweb west side of South Pond

West Pond:

- Excavation: Completed (371,922 cubic yards of material, 100% complete).
- Geoweb Installation: Fully installed
- Progress on Drainage: Construction of headwall and 349 linear feet of 48-inch RCP is complete.
- Ground Stabilization: Sod placement ongoing

Pump Station:

Construction: Ongoing.

- Completed Work:

ORLO VISTA FLOOD MITIGATION PROJECT UPDATE

February 18, 2025

- All Pump station concrete has been poured as of 2/28/2024.
 - Temporary steel for cofferdam has been removed.
 - Valve Vault construction complete.
 - Fill placement for Generator Pad complete.
 - Formwork for slab on grade and placement of rebar ahead of concrete placement.
 - Concrete slab on grade poured 8/14/24.
 - Strip Formwork
 - Grade around Concrete Pad
 - Set Pumps
 - Conduit from E-Building to intake structure
 - Generator installation.
 - Finish grading around intake structure
 - Catwalk and handrail Installation
 - E-Building delivery and installation
 - Grading and tie in of gewoeb for (2) locations of repaired concrete flumes West Pond
 - Installation of 48" RCP (31 LF) in West Pond
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- Upcoming Work:
- Installation of 48" HDPE FM ongoing
 - Tie into existing FM at existing pump station
 - Sodding ongoing
 - Demolition of existing pump station ongoing