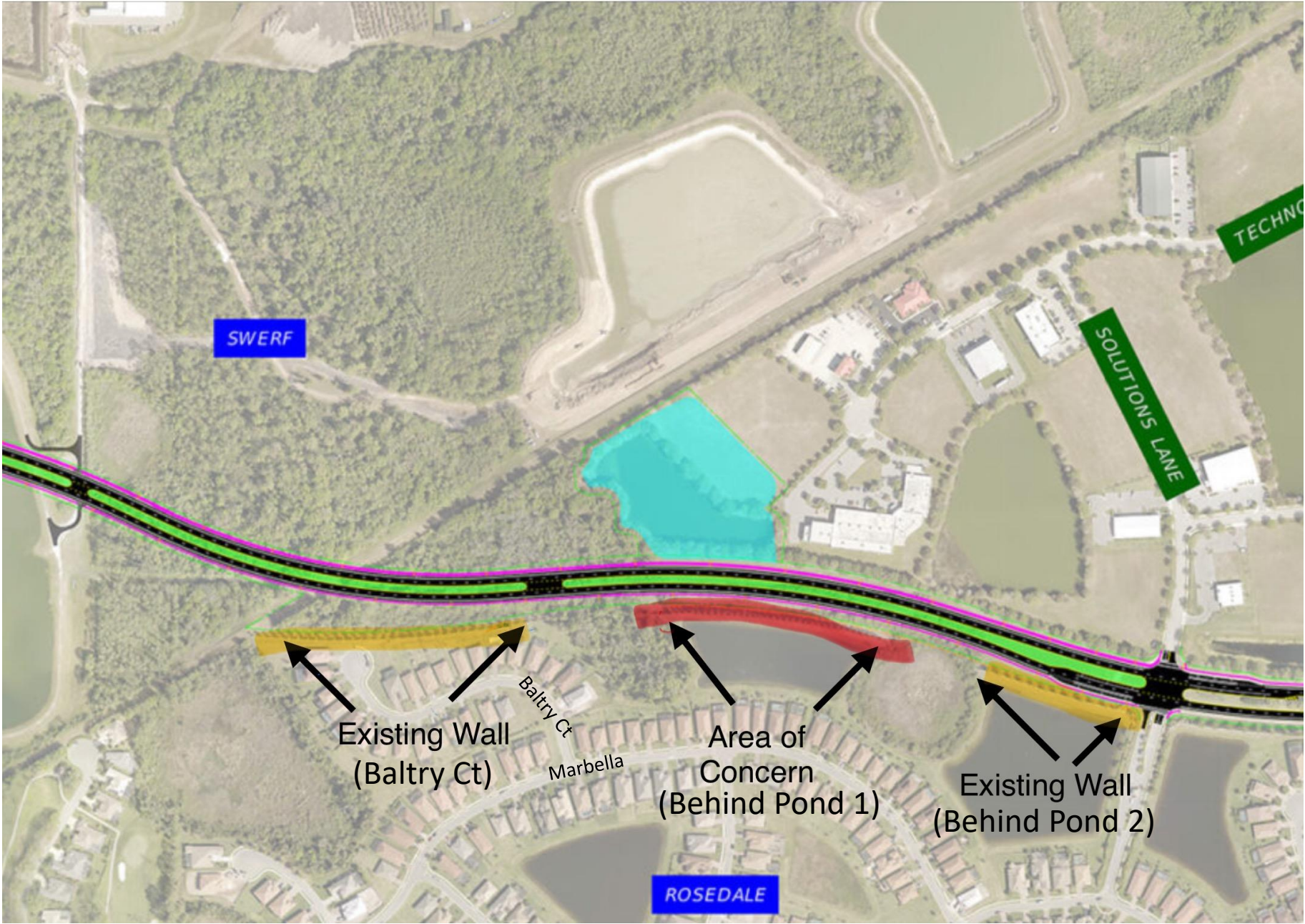


Security Measures for Rosedale at 44th Ave

Update as of November 25, 2024



Pond #1 – East end viewed from 44th Ave. – where there currently is no wall



This is the far east end of the hedge viewed from the new road. It butts up nicely into the wetlands as of now.



This is the far east end of the hedge where there is a substantial gap. This will need to remain for repair access to the pond, and a locked gate will be placed here.

Pond #1 – West end viewed from 44th Ave. – where there currently is no wall



This is the far west end of the hedge viewed from the new road. It also butts up nicely into the wetlands as of now.



This is the far west end of the hedge where there is a substantial gap. Like the east side, this will need to remain for repair access to the pond, and a locked gate will be placed here.

Wall / Fence Discussion:

The area behind pond #1 that we are considering building a wall or fence is approximately 720 feet long.

While construction crew could gain access to the area from Marbella, prefer access from 44th Ave – less disruption and destruction to resident's homes.

The committee looked at various options: cement, aluminum, and PVC.

PVC was ruled out immediately, as being too prone to destruction in storms and also being unsightly.

Committee focused on cement and aluminum options.

Option: Cement Walls

While preference was for a cement wall to match other walls within Rosedale, it soon became apparent that cost and construction issues would be prohibitive:

- Estimates for a cement wall range from \$250 - \$500,000, with the \$250K option being extremely optimistic.
- Cement wall can only be constructed via access from 44th Ave, which would be problematic given the amount of access time needed.
 - Cement for pillars would have to be brought in via pumper.
 - Panels would have to be lifted into place via crane.
 - Many of existing oak trees would need to be removed in order to place the panels, meaning more cost to replace once finished.
 - Construction timing could be in excess of 2 weeks.

Access Issues for Cement Wall:



Looking from Marbella – east slope of pond too steep for equipment access.



Ditch between 44th construction and tree line – too deep for conventional cement truck, and too deep for fork lifts to place panels.

Option: Aluminum Fence

Aluminum fencing turns out to be considerably less expensive – roughly \$66,000.

Aluminum fencing will offer same protection as a cement wall.

Rosedale has other areas with aluminum fencing.

Timing to get materials is much quicker – 4-6 weeks for manufacturing.

Construction timing is much quicker – estimates are a week, so more likely to have a window with the 44th Ave construction crew to gain access.

Other Considerations: Noise Abatement

Information obtained from the Florida Department of Transportation:

- While walls do absorb and deflect sound, the distance of coverage is limited.
- Noise barriers do not eliminate noise, they only reduce it.
- Homes will benefit from a barrier if they are within the “shadow zone” of coverage, which is 100-200 feet. Residents farther away do not gain any benefit.
- Currently, homes in this area are 240 – 275 feet from the proposed fence.
- Natural barriers – trees, hedges, and shrubs with foliage to the ground – also absorb and mitigate sound.
 - Currently, our hedge row is 6’ tall, and with new plantings, should fill in tightly like other hedge rows within Rosedale.
 - Also have full row of oak trees behind hedges – like the rest of the areas already on 44th Ave. These will also help with sound mitigation.

Recommendation: Build an Aluminum Fence

- Recommending 7' tall industrial grade aluminum fence with spear top.
 - Cost between commercial grade and industrial grade is minimal.
 - Recommending industrial grade for stability and longevity reasons.
 - 7' is higher than any aluminum fence within Rosedale currently, but committee felt higher fence is warranted for this location.
- Spear top configuration will offer more security and look more formidable to those looking at it from 44th Ave.
- Industrial grade offers thicker metal and larger-sized pickets and posts.
- Posts will be secured 2' in the ground with poured cement.
- Fence expense is part of the reserve study / plan, so funding has been planned for this project.

Timing:

- A survey was needed in order to gain permits. This has been done.
- We need to get on vendor's construction schedule.
- Permits need to be obtained. Vendor will handle. Estimate 6-8 weeks. Could be longer given Milton impact on demand for permits.
- Material will need to be ordered. Estimate is 4-6 weeks. Vendor will coordinate with permit acquisition timing.
- Currently, county is putting in storm water and sewer lines along 44th Ave. We may have a window of opportunity in late January / February to install this fence.

Timing – Addition Tasks that Need Done:

- The oak trees along this area have never been trimmed. They will be prior to construction beginning. This is part of the 2025 budget.
- While the hedge line is if fairly good shape, there are sections that are dead or dying. These will be removed prior to construction. After construction, new hedges will be placed and current hedges trimmed.
- These will be fertilized and maintained on a regular schedule now, same as rest of areas.
- Irrigation lines in this area have been re-connected and are all working, so new plants can be adequately taken care of.

One Other Consideration – Pedestrian Entrance at 44th Ave Entrance



SR70 Entrance / Pedestrian Gate



44th Ave – no gate or fence

One Other Consideration – Pedestrian Entrance at 44th Ave Entrance



Opportunity to put a fence with Gate on the sidewalk exit



Opportunity to put a fence on entrance side as well

Next Steps / Follow-Ups:

- Sign contract with contractor.
- Continued discussions with contractor concerning permit approval and manufacturing timelines.
- Schedule tree trimming and hedge removal in early January.
- Once construction timing is known, work with county / 44th Ave construction crew for timing to access area.
- Once fence is completed, work with landscaper to replace hedges as needed.

Questions