



reFRESH Waterlines Project UPDATE  
**Relocation of Storm Drain Pipes Lagoon Road and Tarpon Road  
Laguna Shores Outfall Installation  
October 18, 2019**

On September 24, 2019, Laguna Shores residents were invited to a public information meeting at Town Hall where an aerial showing the approximate location of the proposed storm drain design was on display. Notices containing information about what to expect during construction to install storm drain pipes for the Estero Boulevard outfalls were mailed and hand delivered. As can happen with underground construction, crews have encountered underground conflicts that require moving the location of the storm drain pipes to the opposite side (shifted toward the bay side) of Lagoon Road and to the south side of Tarpon Road. (See map.) **This change affects property owners on the bay side of Lagoon Road and south side of Tarpon Road that have landscaping in the Town's right-of-way (ROW). The Waterlines team has flagged items in the ROW that require relocation or removal and are working to contact these residents.** All existing storm drain pipes on Buccaneer Drive will be cleaned and some new cross drain pipes and inlets will be added.

The purpose of the outfalls being installed in Laguna Shores (and in previous phases on the island) is to provide a piped outfall with pollutant treatment for the new Estero Boulevard drainage system (under construction by Lee County) and Town right-of-way (ROW) along mutually agreed-upon corridors to Estero Bay. At the outset of each phase, outfall locations are identified that will provide direct connections from Estero Boulevard to Estero Bay at adequate spacing and provide an acceptable level of service within the County's ROW. Outfall locations are selected through a process of plan review and field visits between the County's and the Town's consultant engineers with direction provided by Town staff as to preferred routes. All coordination and selected outfall locations are evaluated and presented to staff and Town Council for concurrence. In determining these outfall locations, multiple opportunities and constraints are taken into consideration, including flooding within the Town's ROW, available ROW, and existing infrastructure.

Very few potential outfall locations exist within Laguna Shores due to following:

- Limited connection points from Estero Boulevard to Estero Bay
- Lack of existing drainage easements or right-of-way adjacent to the Bay
- Constructability constraints due to the necessary size of the infrastructure needed to accept water from Estero Boulevard as well as runoff accumulated within the Town's ROW

Additionally, the route taken by the outfall system is affected by the following:

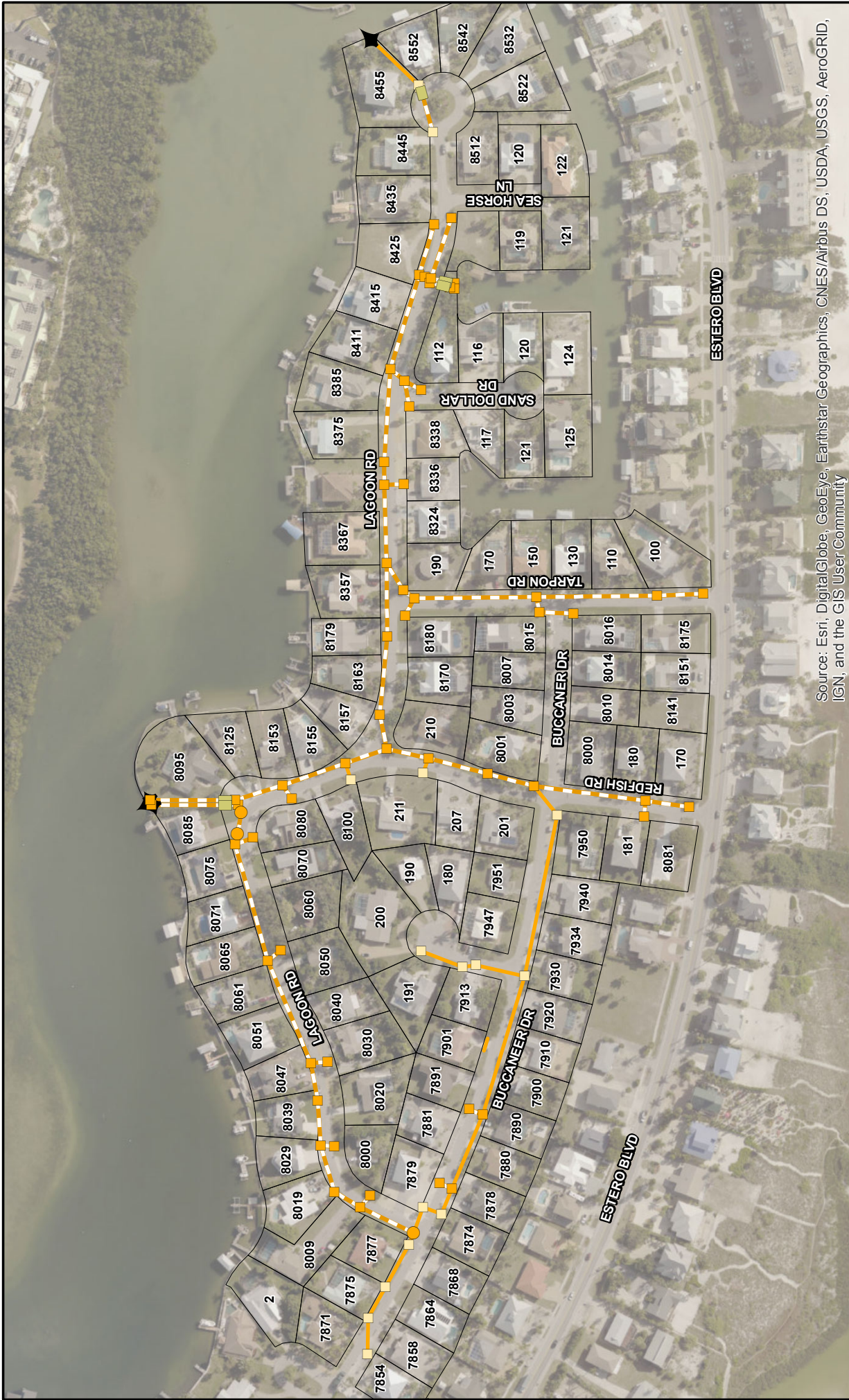
- Existing flooding may be exacerbated by the addition of stormwater flow within the drainage area
- Existing infrastructure routes may be utilized for a larger system

Based on these factors, the connections for the County's system on Estero Boulevard to the Town's system were chosen to be located at Redfish Road and Tarpon Road. The discharge locations for these systems would be located at Lagoon Road near Redfish Road within an existing easement and on Lagoon Road between Sand Dollar Road and Seahorse Lane within an easement acquired by Lee County.

Due to the increased flows of stormwater to the outfalls from future Estero Boulevard improvements and the limited pipe size that can be installed due to constructability and space limitations, it was found that additional pipe capacity would be required to prevent flooding along Buccaneer Road. Additional underground infrastructure (storm drain pipes) being installed along Lagoon Road from north of Redfish Road to Buccaneer Drive provides this needed flow capacity.

Questions? Need help during construction?

Visit the website at [www.reFRESHFMBeach.com](http://www.reFRESHFMBeach.com). If you have questions or concerns during construction, please contact the reFRESH Waterlines public information office, Cella Molnar & Associates, Inc. at 239-337-1071 or via e-mail to [kmolnar@cella.cc](mailto:kmolnar@cella.cc).



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

<p>TOWN OF FT. MYERS BEACH, FLORIDA</p> <p><b>LAGUNA SHORES OUTFALL CURRENT PLAN</b></p> <p><b>TETRA TECH</b></p>		<p><b>LEGEND</b></p> <ul style="list-style-type: none"> <li> Proposed Stormwater Pipe</li> <li> Proposed Stormwater Conflict Box</li> <li> Proposed Stormwater Basin</li> <li> Proposed Stormwater Duckbill</li> <li> Proposed Stormwater Sediment Box</li> <li> Existing Stormwater Pipe</li> </ul>
<p>Source: Town of Ft. Myers Beach, FL; Lee County GIS</p>		<p>O:\Projects\Olando\IER\74765\200-74765-18001\GIS\maps\APLagunaShores_CurrentPlan.mxd [betty.morris 10/15/2019]</p>

**FIGURE 1**