

Completed Projects: 2008

Fourth Avenue Waterfront Project:

- The waterfront area at the base of Fourth Avenue was completely renovated.
- The area of the lake between the dock and shore was dredged removing almost 1000 cubic yards of sediment that had accumulated over the years. This made the docks more accessible for boaters during low water periods.
- A new seawall was installed to replace the crumbling rip-rap wall that had been in place for many years.
- The original stormwater pipe, which was rusted and broken, was replaced with a new concrete pipe through the seawall. A second drain from the Yacht Club parking lot was also installed.
- The ground behind the seawall was brought up to the surrounding grade. The Yacht Club planted a garden to provide color and break up the space.
- A Nutrient Separating Baffle Box was installed behind the seawall.
 - This box removes the sand and debris from the water before it enters Lake Dora.
 - The box is cleaned out on a regular basis and removes an average of 5 to 6 tons of sand during each cycle.
 - The box has a clear top for people to see how it works and the amount of trash that would have otherwise ended up in the lake.
 - A sign explains the operation of the box, reports the tons of debris removed, and lists things that individuals can do to prevent stormwater pollution.



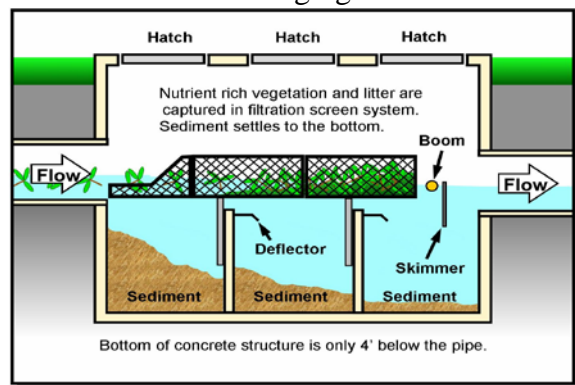
Lakefront Before Dredging & Seawall



Lakefront After Dredging & Seawall



Nutrient Separating Baffle Box with Glass Top & Sign



Graphic of NSBB Operation

Third Avenue Stormwater Treatment Unit:

- At the base of Third Avenue next to the Shadow Harbor Condominiums, a second Nutrient Separating Baffle Box was installed. This unit also removes sand and debris from the stormwater. However it does not have the fancy clear top as it is out of the way for people to view.



Nutrient Separating Baffle Box on 3rd Ave at Lakefront

Gilbert Park Stormwater Treatment Unit:

- On the shore of Lake Dora next to the famous Light House, a retention pond that was installed to prevent sand and trash from getting into the lake. However the pond would dry up in between rain events leaving the leaves and trash in full view of the public. It became an eyesore and a hazard.
- A third Nutrient Separating Baffle Box was installed to replace the pond. A primary box was installed to allow the water from the street to stage up to the proper level for the baffle box.
- New discharge pipes were connected to the existing headwall at the lake front to avoid disrupting the shoreline.
- Once the baffle box was in place the old wooden fence was removed and the pond was filled in and landscaped as park of the lake front park.
- Due to the public location this box, a sign was installed explaining how the box works and showing the tons of debris removed.
- This project improved the lake front view and still maintained the stormwater treatment capability the pond had once provided.



Retention Pond at Lakefront in Gilbert Park Before NSBB



NSBB Installed and Pond Filled In Creating New Park Area