

# BELLETERRE FOUNTAIN PROPOSAL

---

February 2015

UPDATED: March 1, 2015

# Current Issue and Need

- Pond is stagnant with no moving water except during storms
- Debris builds up, floats in the middle of the pond
- Unsightly back of the pond
- A minimal hindrance to purchasing homes in the neighborhood

# Proposal

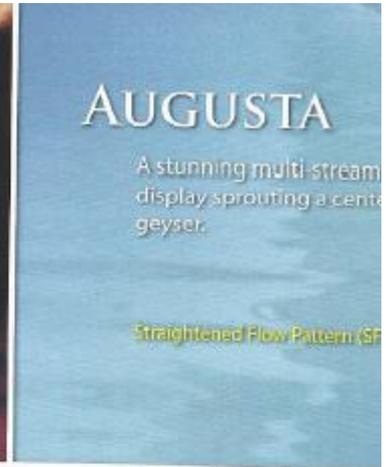
- Aesthetic and Functional Fountain with LED lights and supporting vegetation
- Example



# Fountain Option 1



5 HP Augusta



5 HP Augusta

# Fountain Option 2

## SAWGRASS

Adjustable two-tier with center arch streamer pattern surrounded by full crown lower tier.

Adjustable Straightened Flow Pattern (ASFP)



3.5 HP Sawgrass



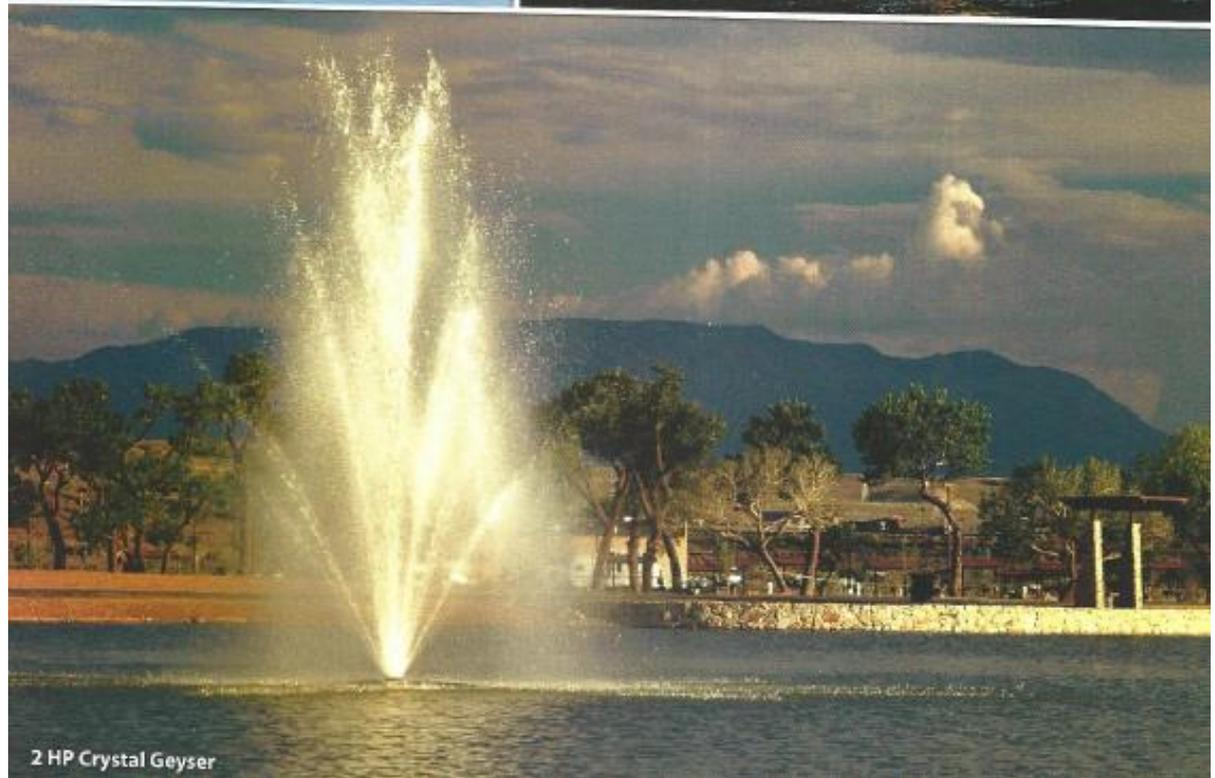
5 HP Sawgrass

# Fountain Option 3

## CRYSTAL GEYSER

This nozzle produces a very decorative crystalline spray pattern in an abstract, multi-tiered formation.

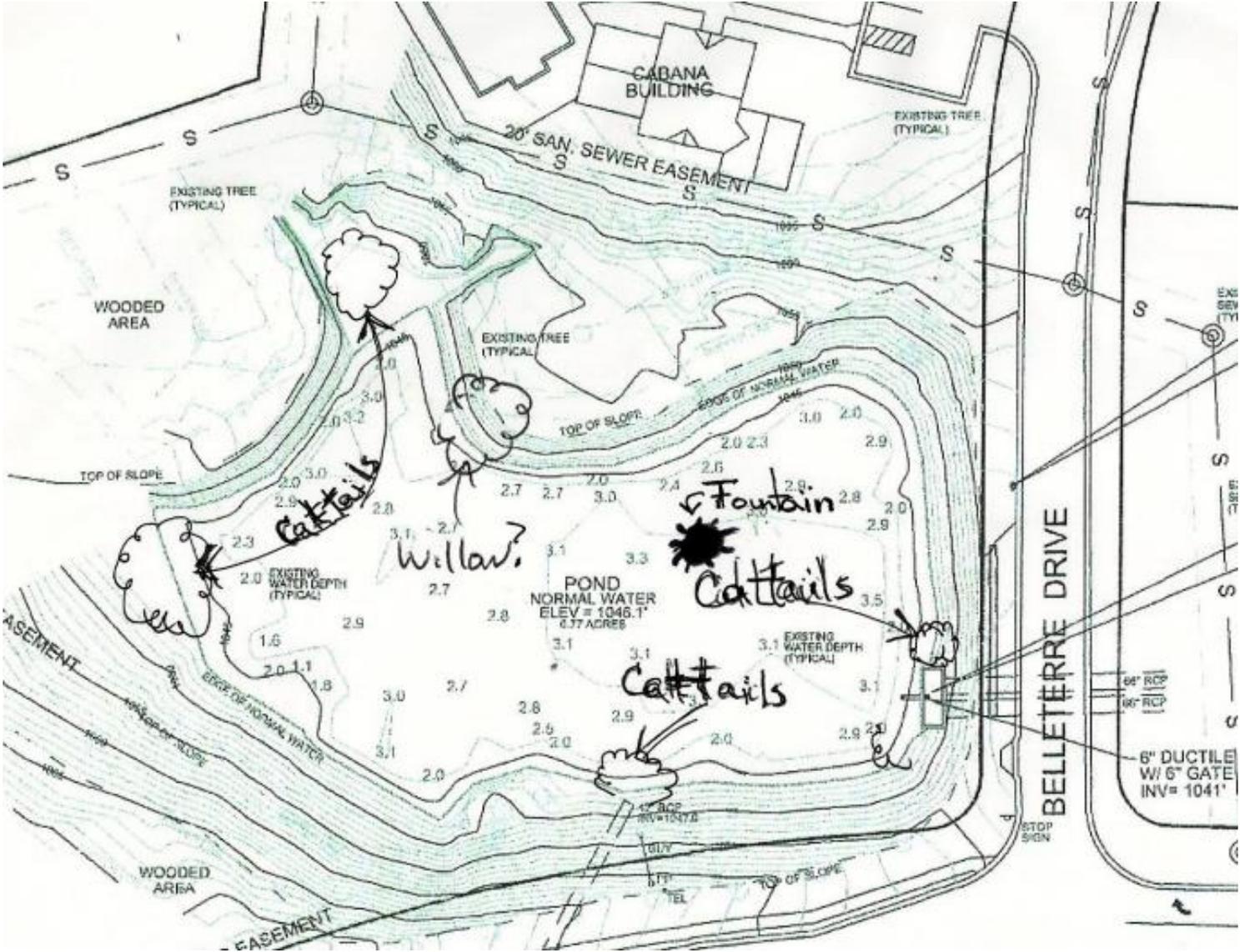
Basic Flow Pattern (BFP)



# Fountain Location



# Included: Pond Beautification



# One-Time Cost

Item	One-Time
Fountain 2HP with timer, light controls	\$5,340
Spray Pattern	\$220
4-light LED system	\$2,740
LED Lamp Colors	\$180
Power Cables	\$560
Assembly	\$685
Discount	(\$848)
Total (taxes, freight)	\$9,735
Plus electrical install	\$2,000
Vegetation	\$600
Grand Total	\$12,335

- 5-year fountain warranty; 3-year LED lighting warranty
- Local business

# Neighborhood Ask

- One-time increase to dues at \$100/house or total of \$9,600 to cover fountain
- Remaining balance to be covered by reserves
- Why the one-time \$100?
  - Maintain solid reserves of almost 1-year as an emergency fund
  - Pool resurfacing needed – prioritize for 2015
  - 2016 – Anticipated projects: Roof replacement, Tennis Courts
  - 2018 – 2019 – Pond Dredging, must have solid amount of reserves in place

# Questions

- **What's the level of ongoing support, warranty they provide?** Depending on the manufacturer you decide to go with, will have a lot to do with support and warranty. Aquamaster has the best overall, which is the manufacturer we quoted. Please keep in mind there are others.
- **What's the cost or expected cost of yearly maintenance?** Yearly maintenance typically involves cleaning the screen every so often depending on debris in the pond. Making sure the fountain is anchored properly and keeping the connections in good order. We provide this service to our full season customers. To get the most life from the fountain it needs proper care.
- **How loud is this fountain - any ideas?** Did they scope this fountain out as ideal for aesthetics and functionality for pushing debris? Fountains are typically for aesthetics, there are a few hybrid models the help aerate as well but they all have simple spray patterns. As far as sound, I don't think there are any houses close enough to hear it but just in case you want to see for yourself I have provided an address where you can see one in action.

# Questions

- **Would the fountain be on a timer, and if so, how easily can we adjust/modify?** The Fountain and Lights will be on a timer. They are very easy to operate and has instructions inside the panel.
- **Would the lighting also be on this timer?** See above.
- **Can we variably adjust the pump in case it's too loud?** There are no adjustments for sound. There will be very little noise coming from the unit other the sound moving water.

# Update – March 1, 2015

- By request, a new vote will be requested 48 hours after answering two major concerns:
  - Maintenance – e.g., how often does the fountain intake need to be cleaned
  - Repairs – e.g., how long does a pump last, and does replacement/repair entail a new pump or repairs to existing pump
- Pond committee head: Peter Courtney spoke with head of pond/fountains at Lake Laurel and Hermitage
- Findings and Conclusion are on next few pages

# Maintenance

- Is the pond too shallow and with the runoff are we in for more maintenance or issues?
  - A: Depth is not an issue. Lake Laurel and Hermitage have same depth levels as where the pump and fountain would be placed.
  - A: Runoff. Hermitage has similar runoff, same water levels.
  - A: 20inches minimum needed to run. We're at 5-7 feet for fountain placement.
- Does silt affect operation or maintenance?
  - A: Does not affect operation. Most silt, sand and other solid fall out of the water column once the water flow reaches the inlet. As long as the flow of the fountain is not impeded, it will do its job.
  - A: Following manufacturer maintenance and periodically cleaning the intake will ensure proper operation and years of performance.

# Maintenance (cont.)

- Run it constantly or only during daytime hours/early evening hours to minimize maintenance?
  - TWO ANSWERS
  - A: Vendor recommends running 24 hours to preserve the run capacitors and the fact that it takes more voltage than to start normally. This will wear on the motor over time.
  - A: Lake Laurel runs theirs
- How often do you clean/maintain the pump?
  - A: Hermitage: No schedule on maintaining/cleaning. Only issues in 3 years were, intake screen partially clogged with leaves, halogen lights needed replacement, beavers chewed through power lines, shorting the pump.
  - A: Lake Laurel: Pump was installed in 2010 running fine. They clean it twice/year: Fall and Spring. It will get partially clogged with leaves.

# Repairs

- How often for repairs?
  - A: Depends on the quality of the pump, and the wear and tear put on it.
  - A: Lake Laurel: Used to repair theirs every 3 years but they were running it 24x7. Now, it lasts longer with a timer to turn it off at night.
- Opinion from Pond Committee: Pump will last 3-10 years. Longer if we run it 16-18 hrs/day on a timer.
- To Repair: New pump or motor would be needed. Recommend setting aside \$500/year in the event that it needs replacement.

# Alternative Proposal

Item	Alternative Quote	Original Quote
Fountain 2HP with timer, light controls	\$4,555	\$5,340
Spray Pattern	Included – 6 patterns possible	\$220
LED Light System	\$725 (3 lights)	\$2,740 (4 lights)
LED Lamp Colors	n/a	\$180
Power Cables	Included	\$560
Assembly	\$485	\$685
Discount	(\$528)	(\$848)
Total (taxes, freight)	\$5,855	\$9,735
Plus electrical install	\$2,000 (est.)	\$2,000 (est.)
Vegetation	\$600	\$600
Grand Total	\$8,455	\$12,335

- Alternative quote is for a 3-year warranty. Pump has better reviews than the original fountain proposed (5-years).

# Final Thoughts

- Fountain and lights will beautify the pond and help manage debris – no question on this one
- Maintenance appears to be less of an issue – 2-4 times/year at minimal-to-no expense
- Pump will need to be replaced or fixed every 3-10 years. The less it runs, the better – we will learn what's best

Recommendation: Proceed with \$100 one-time increase for 2015 (\$700 to \$800)