

AQUA-TERRA ENGINEERING, INC.
Aquatic - Civil Engineering & Design • Consultation • Project Administration

April 14th, 2021

Collier County Government
Community Development & Environmental
Service Division Plan Review and Inspections
2800 North Horseshoe Drive
Naples, Florida 34104

Re: 165 Kirtland Drive
Naples, Collier County, Florida 34110
Lot 248, Willoughby Acres; Collier County, Florida

To Whom This May Concern,

Description: Submitting for a Master Pool (PRPO)20210205635 (A) DECK SAND SET PAVERS (B) NICHELESS LED LIGHTS NO BONDING REQUIRED (C) FENCE BY OTHERS (D) ELITE ROOF AND SCREEN BY OTHERS.

The following site-specific information applies to this pool-spa permit.

Pool Filtration Pump

<u>Manufacturer:</u>	Jandy
<u>Models:</u>	(1) VS-PHP/VS-FHP
<u>Size:</u>	2.7 HP
<u>Maximum Pump Flow:</u>	136 GPM @ Maximum Flow @ maximum 3450 RPM
<u>Pool Drain:</u>	(1) AquaStar Full Circle drain FC103 Max flow of 158 GPM at 1.2 fps, 5-year life.
<u>Spa Main/Side Drains:</u>	(1) AquaStar Full Circle drain FC103 Max flow of 158 GPM at 1.2 fps, 5-year life.

Pool Piping

(2) Branch Line 3" Suction 69 GPM = 3.0 fps < 3.0 fps Maximum Allowed
Main Drain 3" Suction 138 GPM = 6.0 fps < 8.0 fps Maximum Allowed

Protection Method: Child fence with self-closing gates, screened lanai from the rear of the home.

If you have any questions or need further assistance, please contact this office. Thank you.

Sincerely,

Eldin Hotic, FL PE 60118
Aqua Terra Engineering, Inc.