AUGUST 18, 2025

City of Margate – Department of Environmental & Engineering Services
Engineering Division / 5790 Margate Blvd. Margate, FL 33063

RE: ERC Calculation – Proposed Childcare/Educational Facility
Property Location: 830 S State Rd 7, Margate, FL 33068

On behalf of the development team for the proposed childcare/educational facility, we respectfully submit this correspondence to address the required Equivalent Residential Connection (ERC) demand as requested by the City of Margate's engineering review:

Proposed Use: Childcare / Educational Facility
Proposed Student Capacity: 132 children

Based on this methodology:
City of Margate's adopted methodology for calculating ERC demand for non-residential uses—pursuant to Resolution No. 23-107, adopted and approved on December 6, 2023, which governs the schedule of fees and ERC equivalencies under Chapter 39 (Water and Sewers – Department of Environmental and Engineering Services)—the applicable formula for daycare/school uses is:
Daily Flow = Number of Students × 15 GPD
ERC Conversion = 1 ERC per 335 GPD

CALCULATION:

132 students × 15 GPD = 1,980 GPD
1,980 GPD ÷ 335 GPD/ERC = 5.91 ERCs

Total demand of **5.91 ERCs.**

Sincerely,

Radames Iribar
Digitally signed by Radames Iribar
Date: 2025.08.21 21:58:33 -04'00'

Radames Iribar FL P.E. 63925