NEWLINES LAND CONSULTANTS
209 NE 2ND STREET, OKEECHOBEE, FL. 34974
SLD Phone: 863.824.7644 • NL Phone: 732.994.4990
Email: florida@newlinesco.com • Web: www.newlinesco.com

Glades County Fire Marshall
P.O. Box 1527
198 6th Street
Moore Haven, FL 33471

Re: Developer's Engineer Certification to Glades County Fire Marshall (Lakefront Estates Planned Development, Application for Major Site Plan Phase 1, School #1, Case No. SP25-04)

Glades County Fire Marshall,

The following correspondence has been prepared and submitted to you on behalf of Okeechobee Community Developers, LLC ("Developer"), in response to your letter dated October 29, 2025, regarding the conditions of approval for the Lakefront Estates Planned Development, Application for Major Site Plan Phase 1, School #1, Case No. SP25-04.

This document shall serve to address Condition #1 of the Corrected Letter of Approval for Major Site Plan Phase 1, School #1, Case No. SP25-04, in which the County requests the engineer certify to Glades County Fire Marshall that the proposed Site Plan has sufficient fire protection, hydrant availability, and fire sprinklers.

> 1. Prior to issuance of a Building Permit, the Developer's engineer needs to certify to Glades County Fire Marshall that based on test data the proposed Site Plan has sufficient fire protection, hydrant availability, and fire sprinklers. The Developer's engineer needs to demonstrate that there is sufficient water pressure and flow to support fire sprinkler system.

<u>Permanent</u> Fire Protection Design Summary

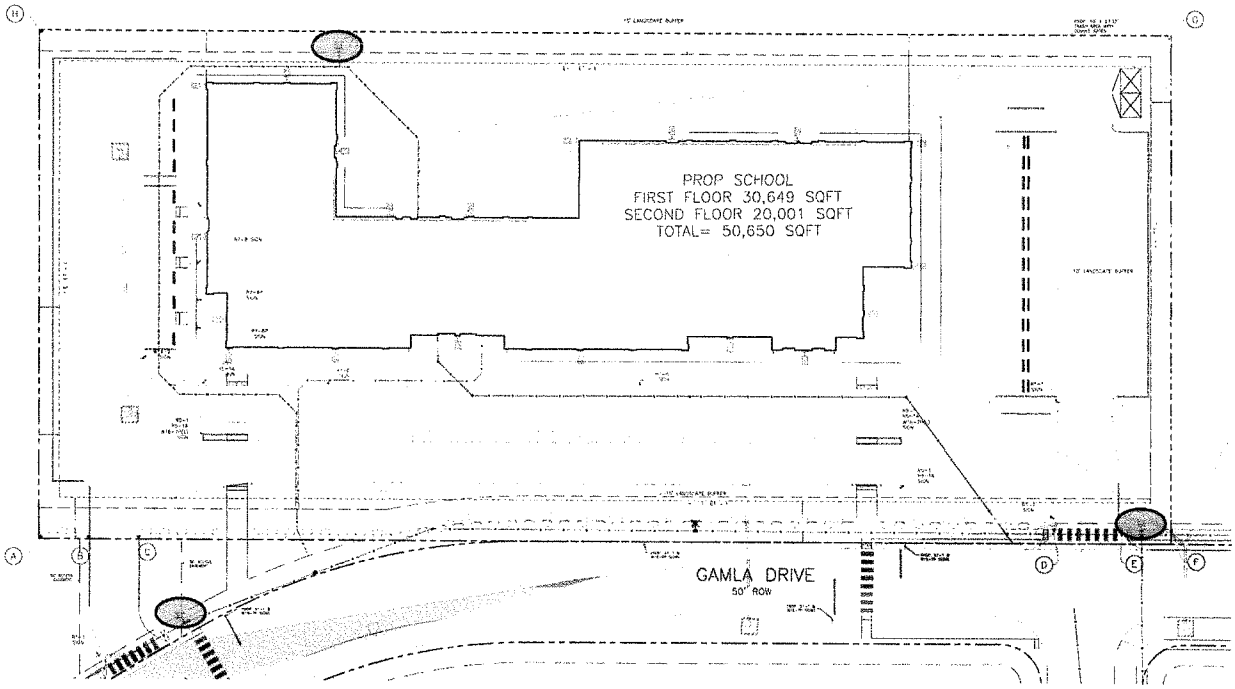
The onsite pumping and storage system is ultimately designed to deliver 80 PSI at required fire flow throughout all phases.

Fire Flow For School 1:

- Required fire flow: 1,250 GPM @ 70 PSI for 2 hours (180,000 gallons stored)
- Provided fire flow: 1,750 GPM @ 80 PSI (492,000 gallons total stored, with 210,000 gallons reserved for fire flow)

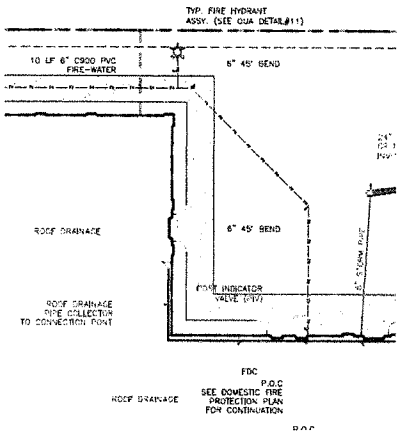
Hydrant Availability:

The school site is served by three (3) fire hydrants, and the utility plan includes a dedicated fire department connection (FDC), post-indicator valve, and sufficient mains to support the sprinkler system.



The image above (taken from the approved site plan) clearly shows sufficient hydrant availability on site.

In addition, the site utility design shown below, shows the proximity of an available fire hydrant to service the sprinkler system from the onsite fire system as well as a post indicator valve and fire department connects so a fire truck could hook up to the fire system and provide additional pressure for the sprinklers, if required.



Sprinkler (Total GPM) Demand:

- Sprinkler Demand = 225 GPM
- Hose Allowance = 250 GPM
- Required total sprinkler flow: 475 GPM

The below table details the fire flow calculation.

Project Name/ Number	Building Name/ Type	Total Fire Flow Area (sf)	IBC Construction Type	NFPA Construction Type	Hazard Category	Sprinkler Demand (gpm)	Hose allowance (gpm)	**Total Sprinkler Design Demand**	Base NFF from Table (gpm)	Duration from Table (hrs)	Full Quick Response Sprinkler Protection? Base NFF Reduction	**Final NFF (gpm)**	Final Duration (hrs)
21534- Lakefront Estates	School #1	50650	IIB	II (000)	LH, OH1	225	250	**475**	4750	4	YES	**1187.5**	2

The hydraulic model confirms that the onsite storage and booster pump system will meet this requirement once completed.

Engineer's Certification

I hereby certify that I am the Developer's Engineer for the above-referenced project. Based on the hydraulic calculations, system design, and temporary pumping/tank configuration described herein:

• The proposed site plan provides sufficient fire protection, fire-flow capability, hydrant availability, and sprinkler support.

• The temporary tank and pump system will provide adequate fire flow during construction until the permanent system is active.

I certify that the statements made herein are true to the best of my knowledge and belief.

Sincerely,

Steven L. Dobbs

NOV 18 2025

48134

Newlines/SLD Engineering

STEVEN L. DOBBS LICENSE 48134 STATE OF FLORIDA PROFESSIONAL ENGINEER

Steven L. Dobbs, P. E.

State of Florida
County of Okeechobee

The foregoing instrument was acknowledged before me this 18th day of November 2025

By Steven L. Dobbs whom is personally known to me or has provided the following identification

Notary Public's Signature Jessica L. Crews Date 11/18/25

JESSICA J. CREWS
Notary Public
State of Florida
Comm# HH243077
Expires 3/21/2026