

JARVIS

CIVIL ENGINEERING

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August 27, 2024

Commissioner Vincent Morales, Jr.
Fort Bend County Precinct 1
22333 Grand Corner Dr.
Katy, Texas 77494

Re: Forest Park Southwest Phase II
Finished Floor Elevation Variance Request for Fort Bend County, TX

Dear Commissioner Morales,

Our firm is responsible for the civil design of the Forest Park Southwest Phase II project, a +/- 50-acre cemetery site. We respectfully request a variance from the requirement that mandates a Finished Floor Elevation (FFE) to be 2 feet above the 100-year Water Surface Elevation (WSE) for a single existing maintenance building within this development.

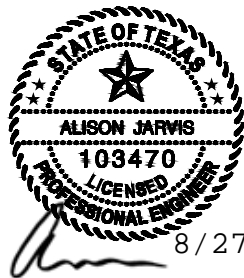
The FFE of this maintenance building will be 1.39 feet above the proposed 100-year WSE of the nearby pond. We believe this variance is reasonable given the following considerations:

- The site is located in an unshaded Zone "X," with the nearest Base Flood Elevation (BFE) approximately 14.6 feet below the FFE.
- The building is a metal prefab structure used solely for storing earth-moving equipment, lawn maintenance materials, and providing basic facilities (restroom, breakroom, and office) for grounds-keeping staff. It will not serve residential purposes, thereby minimizing risk to occupants.
- All critical infrastructure and equipment will be placed above the required elevation, mitigating any potential flood risk.
- The existing structure's FFE offers adequate protection against the 100-year flood event, allowing the development to proceed without undue hardship.

Based on these considerations, we respectfully request that this variance be granted for the Forest Park Southwest Phase II project.

Very truly yours,

Alison Jarvis, PE
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