



Aupperle Company

10088 Circleview Drive, Austin, Texas 78733

Phone & Fax (512) 329-8241

Email: Aupperle@att.net

Texas Board of Professional Engineers Registration Number F-1994

May 1, 2014

Director of Planning and Development Review Department
City of Austin
P.O. Box 1088
Austin, Texas 78767

Re: Second Revised Engineer's Summary Letter and Report, Environmental Resource Inventory,
Engineer's Floodway Encroachment Certification for
3961 Westlake Drive – Pedestrian Incline Elevator

Dear Director:

This project proposes to construct a pedestrian incline elevator to access the existing boat dock. A general description of the proposed project follows.

Overview

This project is located at 3961 Westlake Drive a.k.a Lot 109 of Lake Shore Addition, is situated approximately two miles east of the intersection of Westlake Drive and Loop 360. The property is located within the city limits of Austin. The project site is located within the Lake Austin watershed. There is an existing boat dock and access stairs. The incline elevator improvements will be built this spring. The Board of Adjustment approved the use of a pedestrian incline elevator at this site within the LA zoning setback as a method of shoreline access on April 14, 2014, Case No. C15-2014-0026.

Environmental Resource Inventory

The project site is not located over a karst aquifer, is not within an area draining to a karst aquifer or reservoir, is not within a water quality transition zone, is located in a critical water quality zone, is located on slopes with a gradient more than 15 percent, and is not located within the 100-year flood plain of Lake Austin. The F.E.M.A. flood plain information is included on the Cover Sheet.

Hydrogeologic Element: The topographic slope under the pedestrian incline elevator is a grade in excess of 35 percent. There are no known springs, bluffs, caves, sinkholes, point recharge features, karst or other critical environmental features within 150 feet of the pedestrian incline elevator. There is, however, a canyon rim rock at the top of the slope up-gradient the proposed construction, which constitutes a critical environmental feature. The pedestrian incline elevator should not propose any harm to the quality or quantity of this feature.

Vegetation Element: The proposed construction preserves to the greatest extent practicable the significant trees and other vegetation at the single-family site. The site plan shows all trees greater than eight inches in diameter within or immediately adjacent to the limits of construction for the proposed dock. No trees will be removed for the dock construction. Site does not contain any wetland critical environmental features.

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Wastewater Element: No wastewater or water service is proposed for this project. Therefore, justifications, explanations, descriptions, techniques, standards or calculations regarding wastewater service are not included herein.

Engineer's Certification - Floodway Encroachment - LDC 25 -12 G103.5

The proposed pedestrian incline elevator will not increase the rate of storm runoff within the Colorado River watershed. The openness and profile of the proposed pedestrian incline elevator will not adversely obstructive flood flows since it is above the 100-year flood plain.

Variances, Waivers & Conclusions

The pedestrian incline elevator is located with the critical water quality zone, but a variance to construct the dock related facility in the CWQZ is not required. The proposed project requires a variance to reduce the 150' setback from the canyon rick rock to 5 feet. Otherwise, the project as designed is in compliance with the applicable requirements of the City of Austin Development Code. There will be no adverse impact on the natural and traditional character of the land or waterways. If you have any questions, please feel free to call.

Very truly yours,

Bruce S. Aupperle, P.E.

