



## Aupperle Company

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Texas Board of Professional Engineers Registration Number F-1994

August 17, 2012

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

Re: Engineer's Summary Letter and Environmental Assessment Report  
3213 Smoky Ridge – Sanders Boat Dock on Lake Austin

Dear Director:

This project is located at Lot A, of Smoky Ridge Annex, situated approximately 5 miles south of the intersection of RM 2222 and City Park Road. This lot is located entirely within the Lake Austin watershed. The existing use is single family residence. The plat is recorded in Travis County Deed Records, Volume 75, Page 396.

### General Overview

The proposed improvements consist of a new boat dock on Lake Austin. All access for construction activities will be by water. All piles will be 5-1/4" driven steel piles. All piles will be driven to 0.5" refusal per blow. These improvements are the same as shown on the previous approved, but expired site plan permit SP-2008-0147DS.

### Environmental Assessment

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 not within a critical water quality zone as defined by Section 25-8-92, is not located on slopes with a gradient more than 15 percent, but is however located within the 100-year flood plain of Lake Austin. The F.E.M.A. flood plain information is attached and F.I.R.M information is included on the Cover Sheet.

*Hydrogeologic Element:* The topographic slope under the dock is a grade less than 15 percent. The site is located in Lake Austin and the soils according to the Geologic Atlas of Texas are predominantly *alluvium (Qal)* and *fluvial terrace deposits (Qt)*, i.e. sedimentary soils with some boulders. Except for some vertical rock at the shoreline, there are no other known springs, bluffs, canyon rimrocks, caves, sinkholes, point recharge features, karst or other critical environmental features within 150 feet of the boat dock. The project is 100% over Lake Austin and runoff from the dock should not propose any harm to the quality or quantity of recharge at significant point recharge features, since there are none.

*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

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proposed dock. No trees will be removed for the dock construction. Site does contain wetland critical environmental features on the shoreline vertical rock face.

*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.

Variances, Waivers & Conclusions

The dock construction is located with the critical water quality zone, but a variance to construct the dock facilities in the CWQZ is not required. Except for the proposed dock width of 14', which is 28% of the shoreline width, the project as designed is in substantial compliance with the applicable requirements of the City of Austin Development Code, i.e. the dock will not extend beyond the 30' shoreline offset and the dock will not encroach into the 10-foot side yard setback. Thus, the project as designed is in substantial 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,

Aupperle Company

  
Bruce S. Aupperle, P.E.

