

MAY 10 2006 1:53AM

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BOARD OF COUNTY COMMISSIONERS
OFFICE OFBUILDING & ZONING
COLUMBIA COUNTY, FLORIDA

24673

CULVERT PERMIT/WAIVER RECEIPT

RECEIPT NUMBER / PERMIT NUMBER 000000827 DATE 09/26/2005
APPLICANT TROY MARKHAM
OWNER TROY & HEATHER MARKHAM
CONTRACTOR _____
PARCEL ID NUMBER 01-3S-15-00167-005

FEES:

CULVERT PERMIT _____ CULVERT WAIVER PERMIT 50.00

CHECK NUMBER _____

CULVERT WAIVER CHECK NUMBER _____ CASH REC'D. _____

MAKE CHECKS PAYABLE TO: BCC (Board of County Commissioners)

NOTE: A SEPARATE CHECK IS REQUIRED FOR THE CULVERT WAIVER PERMITS

135 NE HERNANDO AVE., Suite B-21
LAKE CITY, FL 32055
Phone: 386-758-1008
Fax: 386-758-2360



MAY. 10. 2006 7:51AM

C. H. W. Weege

**Columbia County Building Department
Culvert Waiver****Culvert Waiver No.
000000827**

DATE: 09/26/2005 BUILDING PERMIT NO. N/A

APPLICANT TROY MARKHAM PHONE 386.963.5922

ADDRESS 3130 198TH STREET WELLBORN FL 32094

OWNER TROY & HEATHER MARKHAM PHONE 386.963.5822

ADDRESS _____ FL _____

CONTRACTOR _____ PHONE _____

LOCATION OF PROPERTY APPROX. 10 MILES OUT LAKE JEFFERY ROAD, 2ND LOT ON L, PAST
OAKHAVEN S/D ON LAKE JEFFERY ROAD.

SUBDIVISION/LOT/BLOCK/PHASE/UNIT OAKHAVEN 4 APARCEL ID # 01-3S-15-00187-005

I HEREBY CERTIFY THAT I UNDERSTAND AND WILL FULLY COMPLY WITH THE DECISION OF THE COLUMBIA
COUNTY PUBLIC WORKS DEPARTMENT IN CONNECTION WITH THE HEREIN PROPOSED APPLICATION.

SIGNATURE: Troy Markham

A SEPARATE CHECK IS REQUIRED
MAKE CHECKS PAYABLE TO BCC

Amount Paid 50.00**PUBLIC WORKS DEPARTMENT USE ONLY**

I HEREBY CERTIFY THAT I HAVE EXAMINED THIS APPLICATION AND DETERMINED THAT THE
CULVERT WAIVER IS:

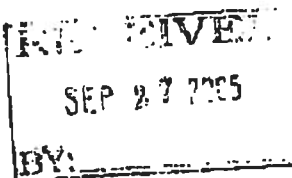
APPROVEDNOT APPROVED - NEEDS A CULVERT PERMIT

COMMENTS: _____

SIGNED: [Signature] DATE: 9/30/05

ANY QUESTIONS PLEASE CONTACT THE PUBLIC WORKS DEPARTMENT AT 386-752-5955.

135 NE Hernando Ave., Suite B-21
Lake City, FL 32055
Phone: 386-758-1008 Fax: 386-758-2160



**Cal-Tech Testing, Inc.**

- Engineering
- Geotechnical
- Environmental

P.O. Box 1625 • Lake City, FL 32056-1625
6919 Distribution Avenue S., Unit #5 • Jacksonville, FL 32257

Tel. (386) 755-3633 • Fax (386) 752-5456
Tel. (904) 262-4046 • Fax (904) 262-4047

April 3, 2006

Troy and Heather Markham
3130 198th Street
Wellborn, Florida 32094

Reference: Proposed Residence
Lot 4, Block A, Oak Haven Subdivision
Columbia County, Florida
Cal-Tech Project No. 06-205

Dear Mr. & Mrs. Markham,

Cal-Tech Testing, Inc. has completed an investigation and evaluation of lot 4, block A of Oak Haven Subdivision on Lake Jeffery Road in Columbia County, Florida. The purposes of our work were to evaluate the potential for flooding of a home to be constructed on the lot and to provide recommendations for selecting a finished floor elevation.

Based upon a Florida Department of Transportation benchmark located approximately 3/4 mile west of the site, the centerline of Lake Jeffery Road adjacent the proposed home site has elevation 154.4 feet, approximately. Based upon this elevation the ground surface at the center of the home site has elevation 139.5 feet, approximately. Because of the slope of the lot, we believe the finished floor will be placed approximately 1.5 feet above the ground surface elevation at the center of the site, or at an elevation of approximately 141.0 feet. This places the finished floor of the residence approximately 13.4 feet below the centerline of the adjacent roadway.

Columbia County regulations require the finished floor of a new residence to be at least 12 inches above the elevation of the adjacent roadway unless it can be shown that such an elevation is not required to substantially reduce the likelihood of flooding.

The proposed home site is located within a basin for which the maximum possible flood elevation is estimated to be about 137.0 feet. Thus the finished floor elevation of about 141.0 feet is about 4 feet above this maximum possible flood elevation. Also, based upon the FEMA flood map for Columbia County, this basin is not a flood zone. The nearest flood area is approximately one mile to the southeast, and the flood elevation within this area is estimated to be about 95 feet.

Based upon our findings, we believe it will not be necessary to elevate the finished floor of the residence to 12 inches above the adjacent roadway. We recommend however that the finished floor be elevated a minimum of 12 inches above

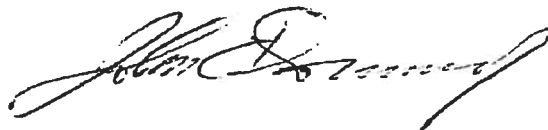
the finished surface grade at the perimeter of the residence. This will significantly reduce the likelihood storm water will enter the residence in the event of substantial surface runoff over the moderately sloped ground surface at the site.

We appreciate the opportunity to be of service on this project and look forward to a continued association. Please do not hesitate to contact us should you have questions concerning this report or if we may be of further assistance.

Respectfully submitted,
Cal-Tech Testing, Inc.



Linda Creamer
President / CEO



John C. Dorman, Jr., Ph.D., P.E.
Geotechnical Engineer

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