

District No. 1 - Ronald Williams
District No. 2 - Rusty DePratter
District No. 3 - Bucky Nash
District No. 4 - Stephen E. Bailey
District No. 5 - Scarlet P. Frisina

BOARD OF COUNTY COMMISSIONERS • COLUMBIA COUNTY

MEMORANDUM

TO: Troy Crews, Building Inspector

FROM: Chad Williams P.E., County Engineer *CW*

DATE: December 20, 2013

SUBJECT: NW Mershon Street Fire Station, #50

OK
BLK
31 DEC. 2013

The parcel the County is currently constructing the above mentioned Fire Station is located within lots that were subdivided under the name "**Falling Creek**". The lots had minimum finish floors established, and the lots for the Fire Station are set a 134.0'. This was not established by any stormwater calculations or engineering modelling, nor are there any benchmarks or datum noted on the plat.

County staff observed the maximum water above Mershon to be approximately 10" (0.83') over the low area on NW Mershon Street during TS Debby which was **IN EXCESS** of the 100 year event.

Therefore, the lot was built-up to provide a finish floor elevation higher than the roadway elevation by 2.5'. This was done to ensure a minimum of 1.0' clearance between the observed Flood Elevation during TS Debby to the Finish Floor Elevation of the metal building.

This elevation of the Metal building is 1.69' higher than the Flood Elevation during TS Debby and this was verified using a Nikon, Automatic Level, Model AP-8 on December 20, 2013.

If you have any questions or require additional information, please contact me at your convenience.