



AUGLAIZE COUNTY

Engineering Department

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Douglas Reinhart
COUNTY ENGINEER

Teresa Hirschfeld
12600 Plattner Pike
St. Marys, Ohio 45885

June 26, 2013

In re: Proposed Flood Plain Construction

Dear Teresa;

Attached is a copy of the FEMA Flood Plain map showing the area adjacent and north of your home along Center Creek where it crosses Plattner Pike. The shaded area, Zone A, represents the land that would be inundated with water during a 100-year event which replicates the 1913 flood.

The USGS flood elevation adjacent to your property that represents that flood elevation is 866.0 which is approximately 18" higher than the bench mark on the NW corner of the bridge wingwall northwest of your home. That elevation is 864.48. The finished floor elevation of the building has to be above the 866.0.

That information was given to Mr. Hemleben who staked out the proposed 45' x 70'+/- building and transferred the 866.0 elevation to that location. I met with him at the site today and based upon his survey and location of the proposed structure, nearly eight feet of fill would be required to have this structure up and out of the designated FEMA flood plain. Based upon some very rough calculations, I determined that it may take as much as 2,000 cubic yards of fill dirt to prepare the pad for the building and provide for 5:1 slopes away from the structure so it is maintainable (mowable).

Flood plains are storage areas needed to hold the flood waters during large events. Whenever this storage capacity is decreased or restricted, the potential result is higher flood elevations to adjacent and upstream areas near the channel. Your site is adjacent to a bridge that will be completely covered with water during this 100-year event. Restricting the storage area near this roadway crossing is extremely critical.

In order for you to prove that there will be no harm, increased flooding or backwaters as a result of the fill, FEMA allows for a professional engineer to perform a hydraulic analysis of the stream before and after the fill. If the PE can prove that there will be no adverse affect during that event after the floodplain has been filled for your proposed structure, I will issue you a permit.

Attached is a list with contact information of Professional Engineers that have performed work in or near Auglaize County. Please feel free to use others as long as they are licensed here in the State of Ohio.

Douglas Reinhart, P.E., P.S.
Auglaize County Flood Plain Manager