

**LINCOLN COUNTY, MISSOURI
MULTI-LOT FLOOD PLAIN DEVELOPMENT
PERMIT CHECKLIST**

Two copies of the following information and this checklist should be submitted for review to:

Mr. Kelly Hardcastle
Floodplain Administrator
Lincoln County Services
250 West College
Troy, MO. 63379

- Location map including north arrow and scale.
- A copy of the FIRM map with the property highlighted.
- A topographic survey of the property with the 100-year flood plain/ floodway plotted per the FIRM map.
- Construction plans showing the proposed subdivision lots, streets, grading, sanitary sewer, storm sewer, water, electric, and gas improvements.
- Elevations of the proposed lowest floor of all structures. (In relation to mean sea level)

For properties located within FIRM Zones with no base flood elevation determined a flood study prepared by a Licensed Professional Engineer will be required. In addition to the above listed information, the following information should be included in the flood study;

- A written summary or overview of the methods used to calculate the 100-Year BFE and Floodway.
- Pictures of the creek/river channel and overbanks. Show how the Channel "n" factors were determined.
- Cross sections of the creek/river channel at the appropriate river stations.
- A topographic survey showing the location of the river stations, the 100-year floodplain limits according to the FIRM map, the calculated 100-year BFE (pre & post construction), and the calculated floodway limits.
- Details on how the 100-year flow was calculated.
- Detailed output from the HEC-2 or HEC-RAS computer program for the 100-year analysis. Include both the pre and post construction output.
- If a Bridge or culvert is proposed, please include details regarding the size, type, and hydraulic modeling of the bridge or culvert.

