

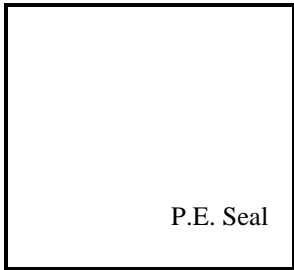


Engineer Certification/Indemnification of Retaining Wall Design

I, _____, being a registered Professional Engineer in the State of Arkansas, P.E. # _____, and being duly competent as regards retaining wall design and construction, and knowledgeable of the requirements of the City of Little Rock, Arkansas standards and ordinances, hereby certify with my signature below for the project known as _____, located at _____ in the City of Little Rock, Arkansas:

- That the designs and plans prepared under my supervision being submitted herewith for retaining wall(s) have been performed in a manner consistent with that degree of care and skill ordinarily exercised by members of the engineering profession currently practicing under similar circumstances, and the said retaining walls(s):
 - a) Provide(s) factors of safety for sliding, bearing, overturning, and global stability of 1.5, 2.0, 2.0, and 1.3 respectively, and 1.5 for geogrid pullout and 1.0 for geogrid rupture of a geogrid wall design;
 - b) Is/are in good practice as regards drainage and structural stability;
 - c) Is/are not designed to result in disturbance or erosion to other properties;
 - d) Complies/comply with the requirements and standards of the Land Alteration Regulations, Section 29-190(1) of the Little Rock Code;
- And, that I have advised the owner of the property the project named above and/or general contractor of the project that said wall(s) must be constructed under the supervision of a qualified and registered Professional Engineer and licensed contractor so as to result in a safe and code-conforming installation. I have also notified the owner and/or general contractor of the inspection procedure of the wall by City staff.

Signature: _____ Date: _____



Inspection Procedure

During construction, CLR Public Works staff will inspect the following items at the appropriate times on retaining walls. Staff should be contacted during construction for inspection of these items when visible. No additional work can progress until Public Works staff inspections have occurred unless special approval is provided by Public Works staff.

1. Inspect wall foundation aggregate for spacing, depth, and grade. For multiple walls, inspect each wall foundation for spacing, depth, and grade;
2. Inspect top of wall for grade specifications and location;
3. Final inspection for height and spacing.