

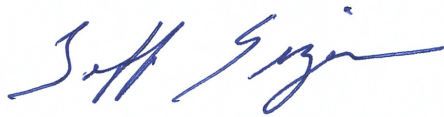
December 18, 2019

**GEOTECHNICAL DESIGN BULLETIN NO. 2019-4**

**SUBJECT:** Revision to Chapter 13  
**EFFECTIVE DATE:** Immediately  
**SUPERSEDES:** None  
**RE:** Revised Equation 13-7

Delete and replace Equation 13-7 with the following Equation:

$$r_d = \exp\{\alpha + [\beta * (M_w)]\} \quad \text{Equation 13-7}$$



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