

**ERRATA for**  
***PE Civil Geotechnical Practice Exam***  
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Errata posted 8-26-2019

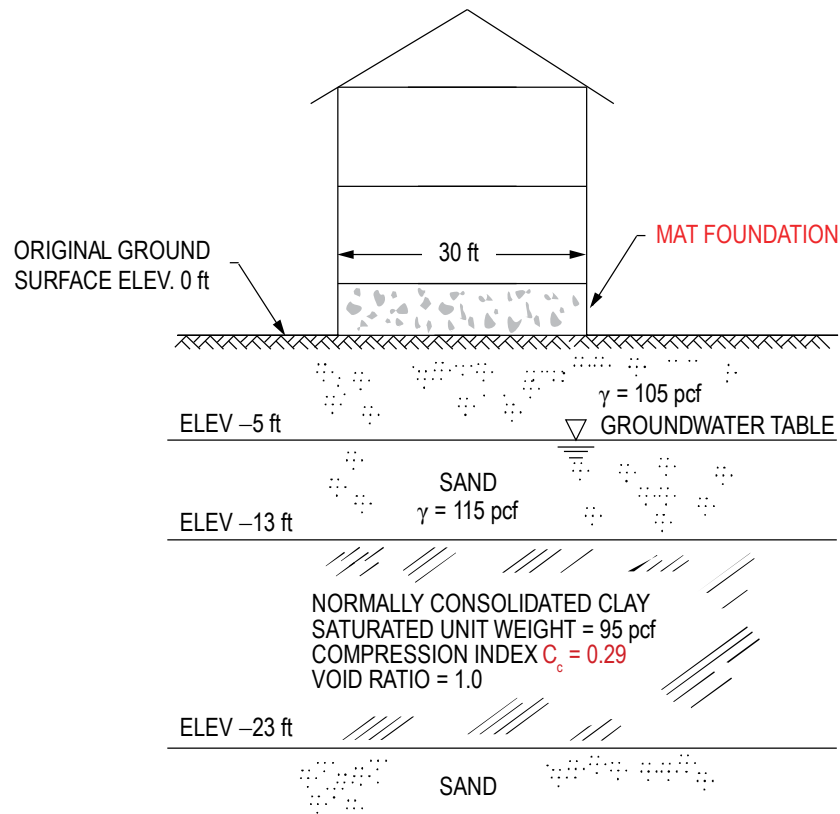
Revisions are shown in red.

**Question 533:**

The text and first figure for Question 533 should read as follows.

A 30-ft × 30-ft square mat foundation will be constructed at ground surface. The subsoil profile is shown in the figure. The mat will apply a **net** uniform pressure of 500 psf. Refer to the chart for stress estimation on the following page. The primary consolidation settlement (in.) of the clay layer directly below the center of the mat is most nearly:

- (A) 0.50
- (B) 1.10
- (C) 1.81
- (D) 3.30



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**Question 536:**

The last sentence of the question should read as follows:

A 2-ft × 2-ft square concrete precast pile is shown. The concrete unit weight is 150 pcf. Ignore the resistance of the soft clay but include the weight of the pile. The interface friction angle,  $\delta$ , on the pile is  $0.75 \phi$ . For a safety factor of 3.0 against side friction, the allowable **uplift** capacity (kips) of the pile is most nearly:

**Solution 527:**

Line 3 of the solution should read as follows:

$$M_{\max} = (2,592)(5) \times 10 = 130,000 \text{ ft-lb}$$

**Solution 533:**

Line 2 should read as follows:

$$\text{From chart, } x = 15 \quad y = 15 \quad z = 18$$

**Solution 535:**

Line 2 should read as follows:

$$\text{Location of column load resultant (centroid)} = \frac{275 \text{ kips} \times 15 \text{ ft}}{150 \text{ kips} + 275 \text{ kips}} = 9.7 \text{ ft right of } Q_1$$

**THE CORRECT ANSWER IS: (A)**