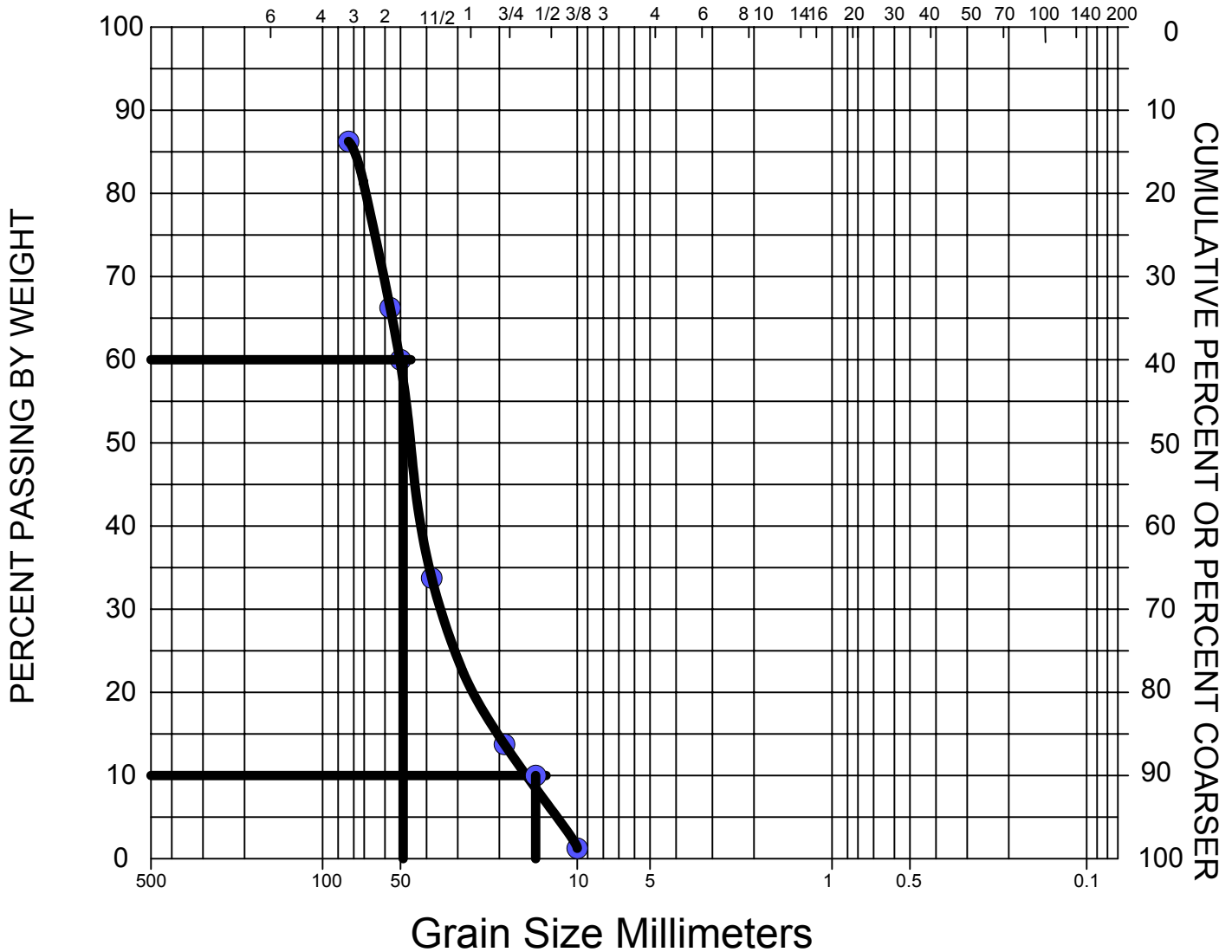


U.S. STANDARD SIEVE SIZES

Is this soil well graded or poorly graded??



$$D_{10} =$$

$$D_{60} =$$

$$C_u = \frac{D_{60}}{D_{10}} = \frac{50}{25} = 2$$

$$C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} = \frac{(30)^2}{25 \times 50} = 1.44$$

$$SW : C_u \geq 6 \quad \& \quad 1 \leq C_c \leq 3$$

$$SP : C_u < 6 \quad \& \quad / \text{ or } 1 > C_c > 3$$