



PROJECT 025-029

BRYANT PHARMACY SOIL LOSS

DATE 11/07/2025

Total Area = 1.97 ac

$$A = R * K * L * S * C * P$$

$$\therefore R = 300$$

K $\Rightarrow$ SOIL IS TIAK SILT LOAM (3-8%)

TABLE 10-1 $\therefore K = 0.32$

L $\Rightarrow$ USE SLOPE OF 8% AND SLOPE LENGTH OF 100'

$$\therefore LS = 0.992$$

C = 0.12 FOR LOOSE HAY OR STRAW FOR 1-10%.

2.0 TONS/ACRE

P = 0.5 FOR 3-8%

$$A = (300)(0.32)(0.992)(0.12)(0.5) = 5.71 < 5 \text{ K}$$

EXCEEDS ALLOWABLE SOIL LOSS

USE A RAPID GROWING GRASS TO PROVIDE PERMANENT COVER (60% COVERAGE)

$$\therefore C = 0.042$$

$$\therefore P = 1 \text{ (NO CONTROLS)}$$

$$A = (300)(0.32)(0.992)(0.042)(1)$$

$$= 4.0 > 5.0 \quad \checkmark$$