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PROJECT 025-029 BRYANT PHARMACY SOIL LOSS DATE 11/07/2025

TOTAL AREA = 1.97 AC

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

∴ R = 300

K => SOIL IS TIAK SILT LOAM (3-8%)

TABLE 10-1 ∴ K = 0.32

L => USE SLOPE OF 8% AND SLOPE LENGTH OF 100'

∴ LS = 0.992

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

@ 2.0 TONS/ACRE

P = 0.5 FOR 3-8%

$A = (300)(0.32)(0.992)(0.12)(0.5) = 5.71 < 5$ K

EXCEEDS ALLOWABLE SOIL LOSS

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

∴ C = 0.042 ∴ P = 1 (NO CONTROLS)

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

$= 4.0 > 5.0$ ✓