RICHARDSON ENGINEERING
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PROJECT 024-034 ZYAIR ESTATES (HILLTOP MANOR) DATE 4-8-26

SOIL LOSS CALCULATIONS

INITIAL SOIL LOSS CALCULATION (NO CONTROLS)

$A = 300 (K)(LS)(C)(P)$

K = 0.32 (SCS CLASSIFICATION MAP)
LS = 2.9 (L = 1000 @ 7.0%)
C = 1 (NO Controls)
P = 1 (NO controls)

$A = 300(.32)(2.9)(1)(1) = 278.4$ Tons/Ac/yr > 5 ∴ CONTROLS ARE REQ'D

SOIL LOSS CALCULATION (W/ CONTROLS)

$A = 300(K)(LS)(C)(P)$

K = .32 (SCS CLASSIFICATION MAP)
LS = .97 (1000' @ 7%)
C = .06 (2 TONS HAY/SEED/AC.)
P = 0.50

$A = (300)(.32)(.97)(.06)(.5) = 2.77$ tons/ac/yr < 5 ✓