DRAINAGE CALCULATION

REQUIRED STORAGE:

NEW IMPERVIOUS AREA: 574.0 SF

80 GALLONS PER SF (COIL PERMEABILITY < 3.0 ft/Acre)

574.0 SF X 80 GALLONS / 720 GALLONS = 47.6 FT³

ELEVATION SYSTEM VOLUME:

HOPE PIPE VOLUME:

V = 4L = 4(0.6742 ÷ 12) = 247.0 FT³

Therefore, proposed storage (247.0 FT³) = required storage (327.0 FT³)