

STORMWATER PLAN:

DESIGN CRITERIA:

10 YEAR 24 HOUR RAINFALL = 3.3"
(SOURCE: MDOT MS4 REPORT)
= (0.28') = 0.011' /hour

INFILTRATION RATE OF SOIL =
0.2"/hr.
(SOURCE: USDA) = 0.016'/hour x24
hrs. * 67% = 0.25' / storm event

DESIGN STORM VOLUME = 6,466 s.f.
IMPERVIOUS x 0.28' = 1811 cu. ft.

APSORPTION AREA OF 20' STRIPS
AROUND PERIMETER OF IMPERVIOUS =
12,000 s.f.

STORMWATER ABSORPTION = 12,000
s.f. x 0.25' = 3,000 cu. ft.

3,000 cu. ft. STORM ABSORPTION
EXCEEDS
1,811 cu. ft. STORMWATER RUN-OFF
— NO DETENTION REQUIRED