



NOTIS Professional Services

1926 Greentree Road – Suite 200

Cherry Hill, NJ 08003 PH. 609-217-4950 – onotis@yahoo.com

RECEIVED

FEB 27 2026

225-31

STORMWATER REPORT

Lot 1.01/Block 20

Lot 1/Block 20.1

EVESHAM TOWNSHIP
BURLINGTON COUNTY
NEW JERSEY

Prepared by:

11/1/2025

P. Lazaropoulos, N.J.P.E. # GE3103500

STORMWATER REPORT

The initial project was in 2017 and had proposed the removal of the existing building and the construction of a new restaurant in its place.

That aforementioned project disturbed 0.67 acres of land and resulted in a decrease of impervious coverage from 80.4% to 72.75%.

Currently, the small parking area that is proposed will disturb +/- 4,200 S.F. (0.096 acres) and will result in a de minimis increase in impervious coverage from 72.75% to 73.3%.

The total disturbed area, for both the 2017 and the current 2025 project will total 0.77 acres, which is below the threshold for major projects as defined in N.J.A.C. 7:8.

The existing stormwater basin, which was constructed about 30 years ago, is functioning properly and there are no reports of water ponding or flooding into the parking areas.

The proposed project will have a negligible effect on the storage volume of this basin.

In order to control erosion from the stormwater flow out of the proposed 14 parking space area, a stone swale will direct water to the existing basin.

DRAINAGE AREA: +/- 4,000 S.F. or 0.092 AC.

10 YR STORM = 6"/hour

$$Q = (0.95)(6"/\text{hour})(0.092 \text{ AC}) = 0.52 \text{ C.F.S.}$$

The swale with a 3' wide bottom, and side slopes of 1.5'wide/0.5'high will have a cross-sectional area of 2.25 S.F., and a slope of 1%

The "wetted" perimeter is 6.2' making the R value:

$$R = 2.25 \text{ S.F.}/6.2' = 0.36$$

Capacity of Swale is: $Q = (1.486/\eta) (R)^{2/3} (S)^{1/2} (A)$

$$Q = (1.486/0.025) (0.36)^{2/3} (0.1)^{1/2} (2.25) = 21.4 \text{ C.F.S.}$$

∴ The swale is adequate to carry the stormwater to the basin.