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WINDUSTER, LLC

CONCEPT STORMWATER MANAGEMENT REPORT

TAX MAP 04, GRID 23, PARCEL 293
FIFTH ELECTION DISTRICT
JULY 31, 2020

PROPERTY OWNER/DEVELOPER:

WINDUSTER, LLC
40321 DUKE ROAD
MECHANICSVILLE, MD 20659

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Project Summary

The project site is located on the Southbound side of Maryland 235 (a.k.a. Three Notch Road) approximately 241 feet north of the intersection at Carrico Way and Maryland 235 (a.k.a. Three Notch Road). The site in its present condition is grassed with existing impervious surfaces.

The entire site consists of the following soil groups:

Soil Symbol	Soil Description	Hydrologic Soil Group
EvB	Evesboro loamy sand, 0 to 8 % slopes	A
Kz	Klej loamy sand, 0 to 5 percent slopes	A/D

The site is accessed via an existing commercial entrance. The site has low points at the south eastern portion of the property where drainage discharges along the Three Notch Trail.

Proposed on this site at this time is the construction of a 7,200 s.f. pole barn. We propose to limit impervious surfaces as much as possible, by utilizing the existing access to the site. We explored the use of alternative surfaces but determined that due to the compaction of the access road, pervious concrete or pavement would not be viable options.

In the developed condition flow patterns have been maintained to the extent practical. Flow from the ESD practices will be collected in natural drainage divides to their respective outfall locations as shown on the drainage area map in the plan set. This location is where most of the site currently drains.

We will place silt fence on the perimeter of the limits of disturbance. These measures will prevent sediment laden runoff from leaving the site. Access to the site will be limited to the existing access road, and a single stabilized construction entrance will be installed if the site inspector requires the practice. Stormwater management will be addressed utilizing the M.3 Landscape Infiltration practice. All flow will follow the natural drainage path from the site.