

MEMORANDUM

To: Lawrence Township

From: Anthony Caponigro, PE

Kimley-Horn and Associates, Inc.

Date: 12/12/2023

Stormwater Management Narrative

Subject: Mercer Mall

N.J.S.H Route 1 & Quaker Bridge Road, NJ 08648

Please see below for a summary of the proposed stormwater management at N.J.S.H. Route 1 & Quaker Bridge Road:

This subject property contains an existing mixed use shopping center situated in Lawrence Township, NJ and is approximately 1,961,496 SF (45.03 AC). The proposed project consists of the construction of a 1-story, 2,200 SF convenience store within the existing parking area located at the site frontage along Quakerbridge Road. The proposed improvements will also include the installation of parking, utilities, landscaping, and stormwater management structures.

NJDEP NJAC 7:8-1.2 defines major development as resulting in 1 AC (43,560 SF) or more of land disturbance and/or creation of ¼ acre (10,890 SF) or more of "regulated motor-vehicle surface." "Regulated motor-vehicle surface" is defined as a net increase in motor vehicle surface and/or the total area of motor vehicle surface that is currently receiving water quality treatment either by vegetation or soil, by an existing stormwater management measure, or by treatment at a wastewater treatment plant, where the water quality treatment will be modified or removed.

The proposed Limit of Disturbance (LOD) is 38,993 SF, less than the 43,560 SF LOD threshold for major development. The existing impervious area at the shopping center is 1,610,388 SF, and the proposed impervious area for the shopping center with the convenience store is 1,609,658 SF. This is a decrease of impervious area onsite by 730 SF, which also does not define the project as major development. Because the project proposes less than 1 acre of disturbance and less than ¼ acre of additional regulated motor vehicle surface, the project is not considered a major development and is exempt from the NJAC 7:8 requirements.

The proposed improvements within the shopping center will maintain existing drainage patterns. Runoff from the site will sheet flow into the proposed inlets, that will then connect into the existing onsite stormwater management system. This runoff ultimately discharges into the existing detention basin along the northern site boundary. The project will be compliant with the NJDEP Stormwater Management requirements, as outlined above.



