

# ***POTABLE WATER ENGINEER'S REPORT***

*For*

***Stack Storage, LLC  
Proposed Self-Storage Facility***


**Block 360, Lots 7 & 8  
Vanderburg Road & Boundary Road  
Township of Marlboro  
Monmouth County, New Jersey**

**Prepared By:**



**DYNAMIC  
ENGINEERING**

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***I. INTRODUCTION***

The subject property is known as Block 360, Lots 7 & 8 as shown on Sheet 93 of the Tax Maps of the Township of Marlboro, Monmouth County, New Jersey. The parcel consists of approximately 7.847 acres and is located in the LI (Light Industrial) Zoning District. The site currently consists of an undeveloped wood area and open space and is located at the southwesterly corner of the intersection of Vanderburg Road and Boundary Road. The parcel is bound to the west by various industrial buildings and commercial facilities; to the east by Boundary Road with agricultural land and residential dwellings beyond; to the north by Vanderburg Road with Vanderburg Soccer Complex with mixed industrial and residential uses beyond; and to the south by industrial uses. There is an existing 12” water main that runs along the east bound side of Vanderburg Road and ends adjacent to the northwest corner of the subject parcel.

The project includes the construction of three (3) single-story self-storage facilities, each 29,900 SF in size, and associated site improvements, including parking, driveways, sidewalks, landscaping, lighting and other associated site amenities.

***II. PROPOSED WATER SYSTEM FACILITIES***

The proposed domestic and fire water services for the building will be provided via a connection to the existing water main within Vanderburg Road. The proposed water requirements of the area of development based on the requirements of NJAC 7:10-12.6, Water Volume Requirements, are as follows:

**Existing Average Daily Water Demand:**

Undeveloped

0 GPD

**TOTAL EXISTING = 0 GPD**

**Proposed Average Daily Water Demand:**

Store, Office Building

0.125 GPD/SF X 700 SF = 87.5 GPD

**TOTAL PROPOSED = 87.5 GPD**

The fire suppression system shall be designed in accordance with the 2018 International Fire Code. Fire protection for the proposed building will be provided by the proposed water service connection. Calculations will be provided under separate cover by the sprinkler designer upon favorable action from the Board on the associated Preliminary and Final Major Site Plan Application.

***III. CONCLUSION***

In summary, this report has been prepared to further expand on the water design for the proposed development as shown within the accompanying site plan drawings. The water demand generated from this development will not exceed the approved demands and allocated flows based on the actual usages. It does not appear the proposed development will have a negative impact on the existing infrastructure.