



**HEADWATERS ENGINEERING**  
of the Cape Fear, PLLC

Jeremy Hardison  
Director Of Community Dev.  
Town of Carolina Beach  
1121 N. Lake Park Blvd.  
Carolina Beach, NC 28428

Project #: 24-006  
Subject: St Joseph St 1 Ac Tract – Permeable Pavers  
Date: August 22, 2024

Mr. Hardison,

The purpose of this letter is to ensure the Town that the proposed “Truegrid Pro Plus” permeable paver product, as described by the manufacturer in the attached brochure, meets or exceeds all requirements described in the NCDOT Subdivision Roads standards and USPS National Delivery Planning Standards.

Please see the below specifications & facts of this product:

- Strength: Over 17,000 psi compared to 4000 psi +/- (asphalt)
- HS20 rated: 16,000 lbs. per wheel/32,000 lbs. per axle
- Variable subbase, 8” minimum can be increased to add bearing capacity to meet emergency vehicle requirements if needed
- 100% permeable to reduce stormwater runoff
- Permeability also captures pollutants
- Made from 100% recycled HDPE

Sincerely,

Thomas J. Scheetz, P.E., President  
**Headwaters Engineering of the Cape Fear, PLLC**  
1108 New Pointe Blvd Unit 130 #151, Leland, NC 28451  
(910)465-3304 – [tscheetz@headwaterscapefear.com](mailto:tscheetz@headwaterscapefear.com)

