

Specification Section 455

Subarticle 455-2

ORIGINATION

Date: 6-2-2025

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COMMENTARY

The previous version of the Specification had significant updates implemented regarding pile driving, particularly in the manner that payment is made for the various activities required for pile installation. The proposed updates to the current version are mostly clarification as to what those activities are, and how they are paid for.

INTERNAL COMMENTS AND RESPONSES

(Please note all comments and responses are verbatim as received. The Specifications Office does not alter typos or grammar.)

BLACK = Comment **BLUE** = Specifications Response **GREEN** = Change Made to Specification

Name: Keith Waugh

Date: 6-30-25

COMMENT: 455-5.18 I'm not sure why submittal of driving and testing records within one day is necessary. FDOT will not determine if Verification Testing is needed until submittal of the Foundation Certification for the completed foundation unit. Failure to submit driving records within one day will allow the CEI to issue warning for "non-compliance" or "failure to submit documents in a timely manner". 455-11.8 Splices to incorporate piles that were driven below cutoff into the structure should be paid as unforeseen work.

RESPONSE:

(455-5.18) The revision should minimize the potential for unnecessary Verification Testing. In projects that require pile driving beyond initial drive, receiving the data for each phase of pile installation (initial drive, set checks, redrives) provides the District Geotechnical Office with sufficient time for evaluation and should reduce the number of unnecessary VT requests. Note that the Department still has only one working day, excluding weekends and Department observed holidays, after receipt of the Certification Package to determine if any VT is necessary.

(455-11.8) Concur, if the typical process of pile installation is followed, meaning stopping the drive prior to reaching cut-off to allow for either set-checks or redrives, as the case may be. If the process is followed and the authorized length proves to be short, the excess effort should be paid for as unforeseen work. The scenario should be covered under the existing language in the following two places: The first paragraph, which deals with concrete piles, and states "Unplanned splices and build-ups required to achieve pile resistance will be paid for as unforeseen work." And the second paragraph's language "Steel pile splices required for the purpose of obtaining lengths longer than the lengths originally authorized by the Engineer will be paid for as unforeseen work."

ACTION TAKEN: No action required