

# Exhibit #3

## Mallard Bay Lot 24, Section B Septic Proposal

Scale: 1" = 50'

### Lot 24 Wastewater Treatment System Design

- 4 Bedroom Home; 480 gal/day flow rate
- 1000 gal septic tank
- >30" soil wetness condition
- Septic system serving 1188 appears to be located approximately 12' from the lot 24 lot line

### Initial - Shallow Bed System

- 0.8 gal/ day/ sq ft LTAR
- 480/0.8 = 600 sq ft
- 600 sq ft x 1.5 = 900 sq ft
- 18' x 50' bed area
- 6 lines on 3' centers and located at least 1.5' from edge of bed wall
- 18" trench bottom at lowest elevation in proposed system area
- 6" cap on lower end to grade

### Repair - Exempt

See MB 10, PG 62, dated May 22, 1969

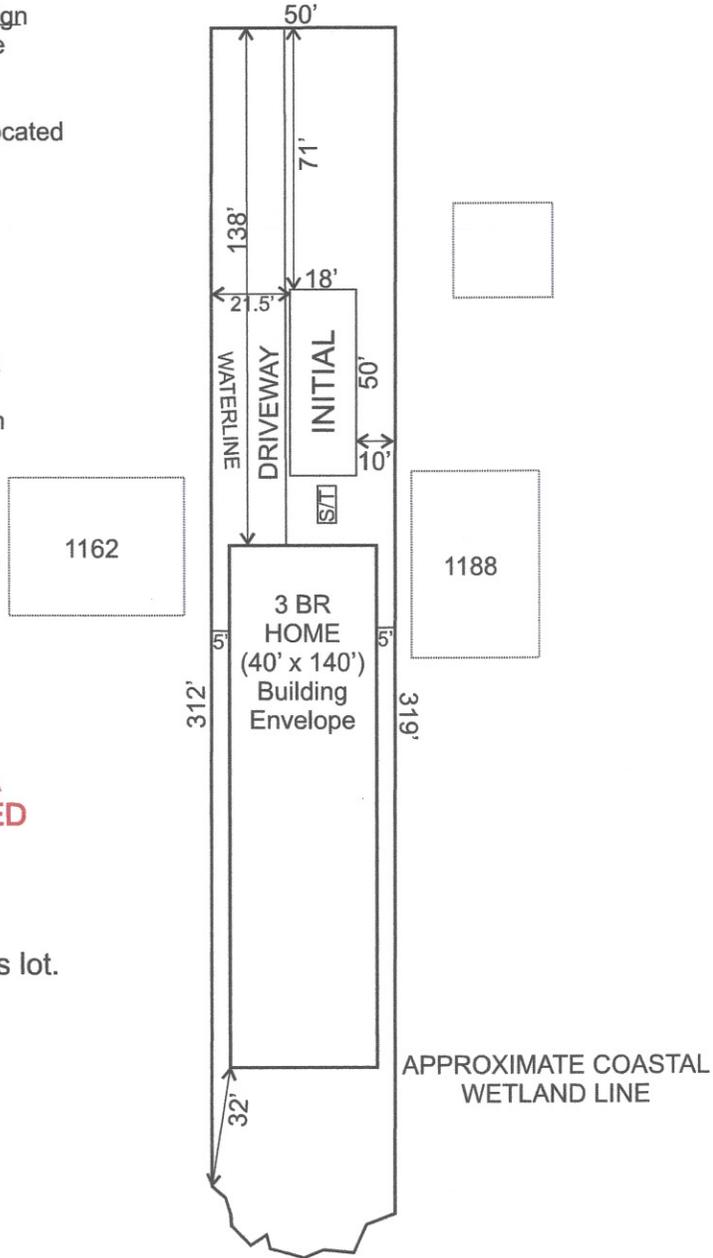
**ELEVATE SEPTIC TANK OR A PUMP TANK WILL BE REQUIRED**

A CAMA Permit may be required for this lot.



**NEEDHAM ENVIRONMENTAL, INC.**

### MALLARD BAY DRIVE



Boundary information taken from the Pender County GIS website.