

DUNE INFILTRATION SYSTEMS - PERMITTING CONSIDERATIONS



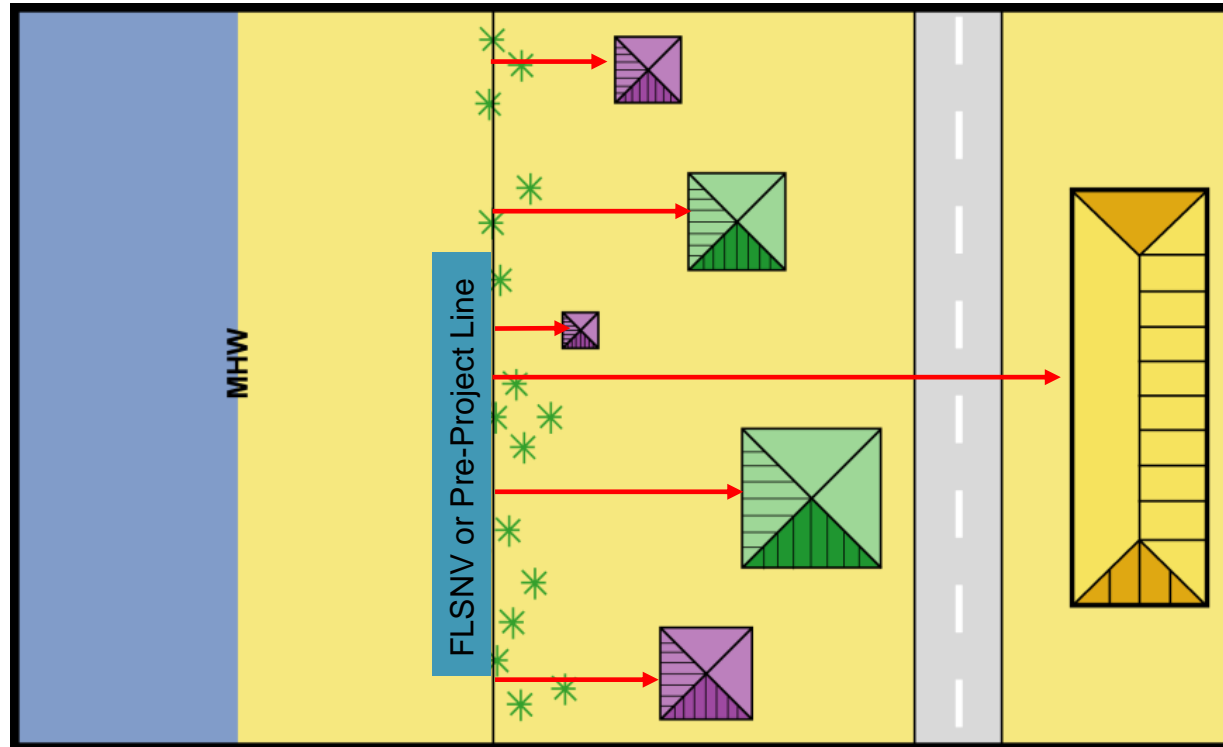
moffatt & nichol

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Oceanfront Setbacks

- › Minimum Setback Factor
("erosion rate") = 2 feet/year
- › <5,000 sqft... x30
- › 5-10K sqft... x60
- › 10-20K sqft... x65
- › 20-40K sqft... x70
- › 40-60K sqft... x75
- › 60-80K sqft... x80
- › 80-100K sqft . x85
- › >100K sqft... x90



**Setbacks based on
size of structures
and long-term
erosion rates, and
measured from
existing FLSNV or
Pre-Project Line**

Dune Infiltration Systems

- **Need To Be Close To Dunes**
- **Often Will Be Located At Public Beach Access Lots**
- **Depending On Size Of System & Access Lots, May Not Be Able To Meet CAMA Setback Requirements**



Coastal Resources Commission Variance

(15A NCAC 07J.0700)

- that unnecessary hardships would result from strict application of the development rules, standards, or orders issued by the Commission;
- that such hardships result from conditions peculiar to the petitioner's property such as the location, size, or topography of the property;
- that such hardships did not result from actions taken by the petitioner; and
- that the requested variance is consistent with the spirit, purpose and intent of the Commission's rules, standards or orders; will secure the public safety and welfare; and will preserve substantial justice.



Variance Package To Include

- **Petitioners positions on why the four criteria are met;**
- **Proposed set of stipulated facts, for staff's consideration, containing all of the facts relied upon in the petitioner's explanation as to why he meets the criteria for a variance; and**
- **Proposed documents, that the petitioner wants the Commission to consider.**



Package must be submitted to NCDCM at least six weeks prior to CRC meeting

Items To Strengthen Variance Package



- **Show strong evidence of flooding**
- **Show evidence that other types of stormwater systems are not feasible**
- **Show that system is located as far back on property as possible**
- **Proof of Municipality's commitment to a long-term beach nourishment program**

QUESTIONS?

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