

2012AUG17  
Pam Bunker

**From:** Tara Marden [tmarden@whgrp.com]  
**Sent:** Monday, July 23, 2012 1:36 PM  
**To:** 'Kristin Maloney'; 'chuck hodgkinson'; 'Clarissa Allen'; joanmalkin@gmail.com; 'martina'; 'pam bunker'  
**Subject:** RE: your vineyard friends

Hi Kristin,

Woods Hole Group will likely recommend a Phased approach to addressing the erosion issue/pond concerns at Lucy Vincent Beach and Upper Upper Pond. Although not an "official" proposal, here is what we might suggest in the proposal...

#### Phase 1 - Alternatives Analysis and Regulatory Feasibility

- Mini Alternatives Analysis to look at possible alternatives based on discussion with the Beach and Pond Committees regarding primary concerns.
- Conceptual Design showing type and footprint of proposed alternatives on a recent image that can be used for discussion purposes
- Regulatory correspondence to run ideas by the Concon, DEP and NHESP and receive feedback

Phase 1 would be on the order of \$3,000 and would provide us with the info needed to determine the range of alternatives that would be acceptable to the regulators. This info would provide the Town with a decision point as to whether or not to proceed with Phase 2 based on feasibility of the preferred alternative.

#### Phase 2 - Draft Engineering Design

- Topographic survey of the proposed project location (specific area of concern)
- Draft engineering design showing cross sections of the selected alternative (quantities for beach nourishment if applicable)
- Preliminary construction cost for preferred alternative(s)
- Evaluation of required permits and associated costs

Costs for Phase 2 will need to be determined upon preparation of a formal proposal. For planning purposes only, an estimated cost for Phase 2 would be \$7-10k.

Phase 3, if applicable, would include a final engineering design and environmental permitting for the chosen alternative.

I hope this helps for your meeting tomorrow. Please let me know after the meeting if you would like me to prepare a formal proposal for Phase 1.

Best Regards,  
Tara