

Environmental Experts' Scope of Services

Specific Tasks and Questions

General

- Become familiar with proposals.
- Make an initial site visit to the Squibnocket Beach area. Other visits as required to accomplish the following tasks.

Identify sensitive areas

- Identify/confirm wetland limits which have been staked out.
- Identify/confirm other sensitive areas such as barrier beach, marshlands, etc., which are shown on consultants' report.
- Obtain data required for potential endangered species analysis.

Identify approval process requirements

- Issues (such as wetland boundaries, allowable intrusion in wetlands, etc.)
- Identify agencies involved.
- Identify time line when submittals and approvals are needed. The emphasis in this task, as in many others, is to compare the requirements of the alternative proposals.

Estimate the probable extent of impacts of each proposal. (There are two major proposals.)

- On wetlands
- On barrier beach
- On other sensitive land areas
- On Squibnocket Pond
- On endangered species
- Comment on any mitigation measures that are proposed and suggest any others.

Identify those impacts caused by:

- General:
 - Clearing for parking lots and pathways
 - Cut and fill required for parking lots and pathways
 - Run-off from roadway and parking lots
- Revetment removal
- Elevated roadway proposal
 - Piles
 - Shadows
 - Construction impacts
 - Pile driving
 - Structural work
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- Dune Proposal
 - Dune location
 - Run-off from dune
 - Periodic reconstruction
 - Construction impacts
 - Bringing in fill
 - Maintaining access roadway

Comment on the dune proposal based on experience with other installations

- Initial impacts
- Major reconstruction requirements
 - Extent
 - Frequency
- Short-term maintenance requirements
 - Extent
 - Frequency
- Other pertinent issues

Other

- Assist the Committee on other questions and issues as they arise.
- There may be a need for one or more personal presentations.

Removal of revetment

- What will be conditions in immediate period after removal?
 - Comments on ability to provide access road to Squibnocket point
 - How long before conditions stabilize?
- What will be conditions after stabilization?
 - Directly in front of former revetment?
 - On adjacent beach areas?

Future Conditions

- Advise Committee regarding logical future years for analysis; 20 years? 50 years?
- What will be conditions as a result of erosion and sea level rise in those years?

Impacts – Proposal with Elevated roadway

- What will be the relationship between the future shoreline and:
 - The proposed elevated roadway and its abutments?

- The proposed parking west of the current location?

Impacts – Proposal with Manmade Dune

- What will be the short-term effects on the beach in front of dune and on adjacent beach areas?
- What will be the long-term effects on the beach in front of dune and on adjacent beach areas?
- Will the shoreline migration due to erosion and sea level rise be similar to what is expected without a dune? If not, what will be the rate of migration?

Artificial Reef

- Advise the Committee with a brief discussion of the advantages and disadvantages of this proposal

Other

- Assist the Committee on other questions and issues as they arise.
- There may be a need for one or more personal presentations.