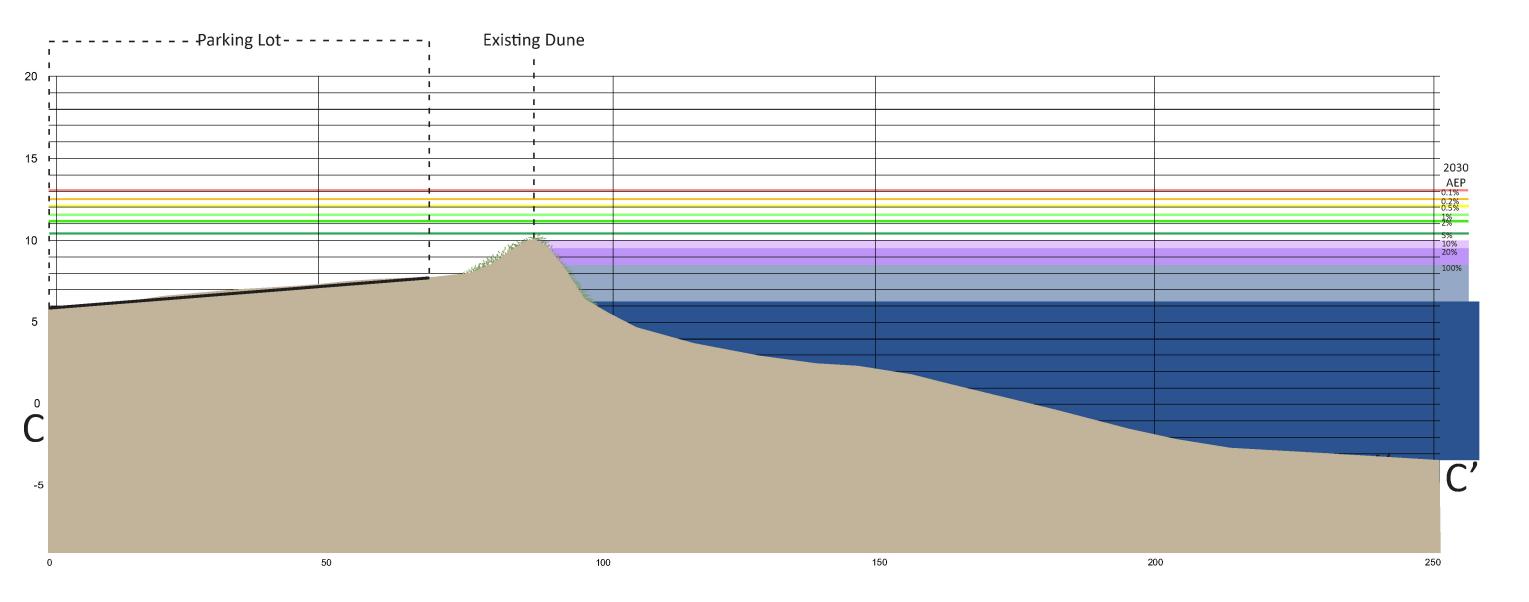


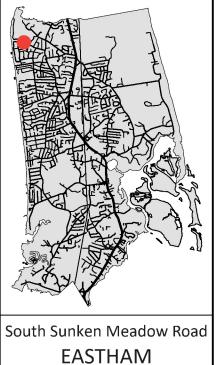
GROUP A CLS COMPANY



EXISTING CONDITIONSSouth Sunken Meadow Road, Eastham





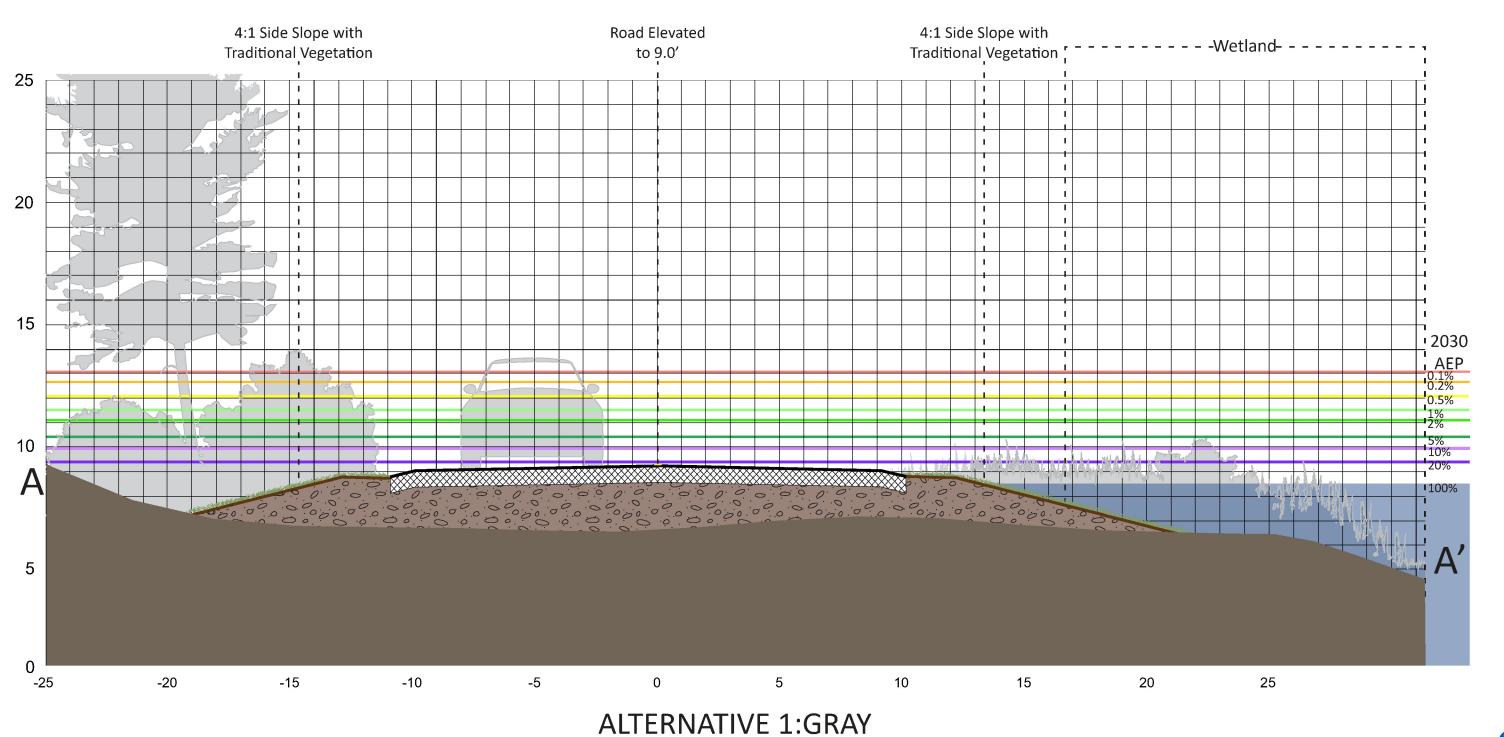


ALTERNATIVE 1: GRAY

1721 linear feet of
Town-owned road are
elevated from a lowest point
of 6.3 feet to a lowest point
of 9 feet with a 4:1
traditionally vegetated side
slope. Driveway tie-ins in the
eastern part of the road are
necessary.

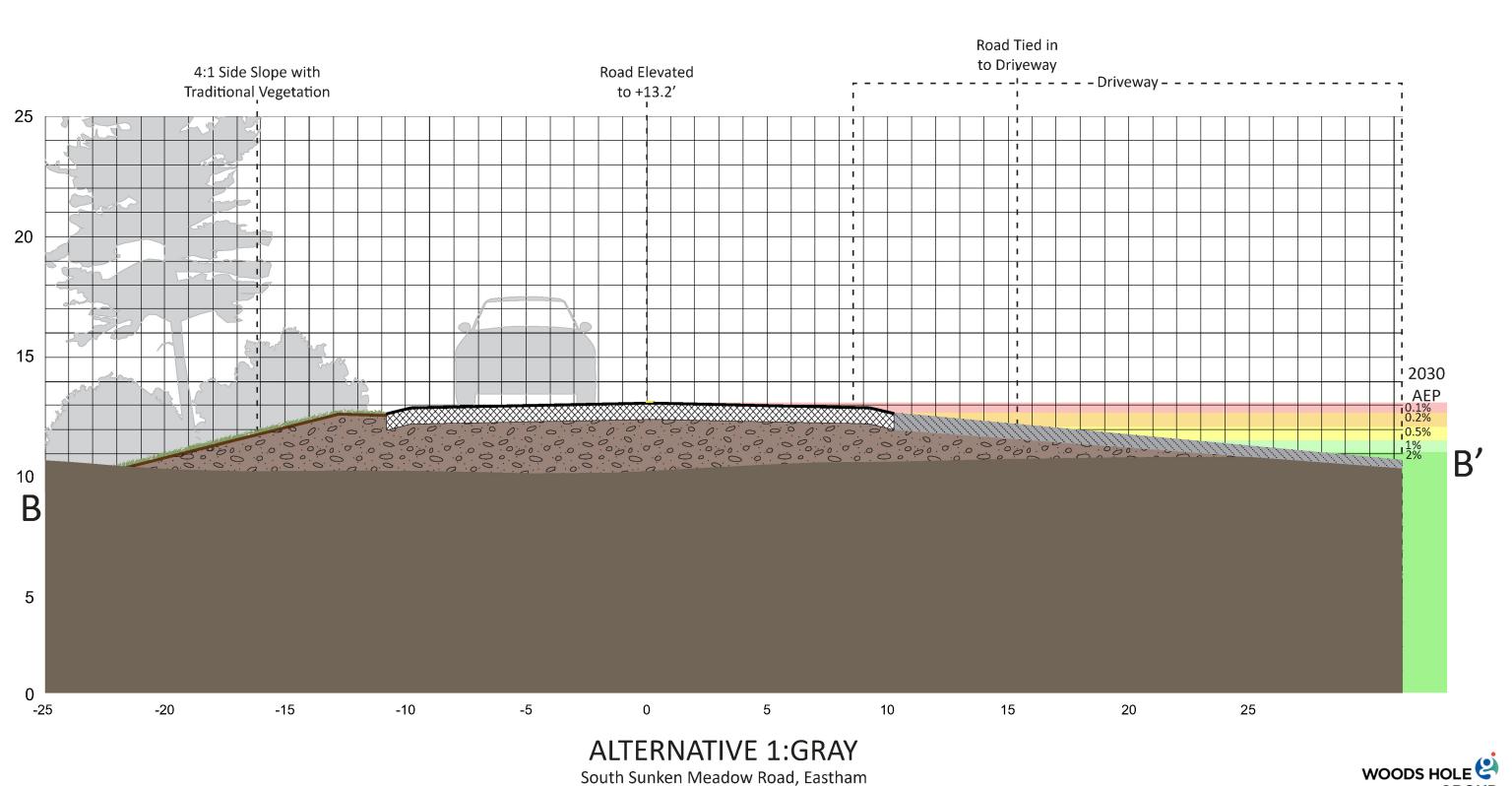


Note: Project overlap with wetland areas, rights of way and property lines is approximate and needs confirmation with a site survey

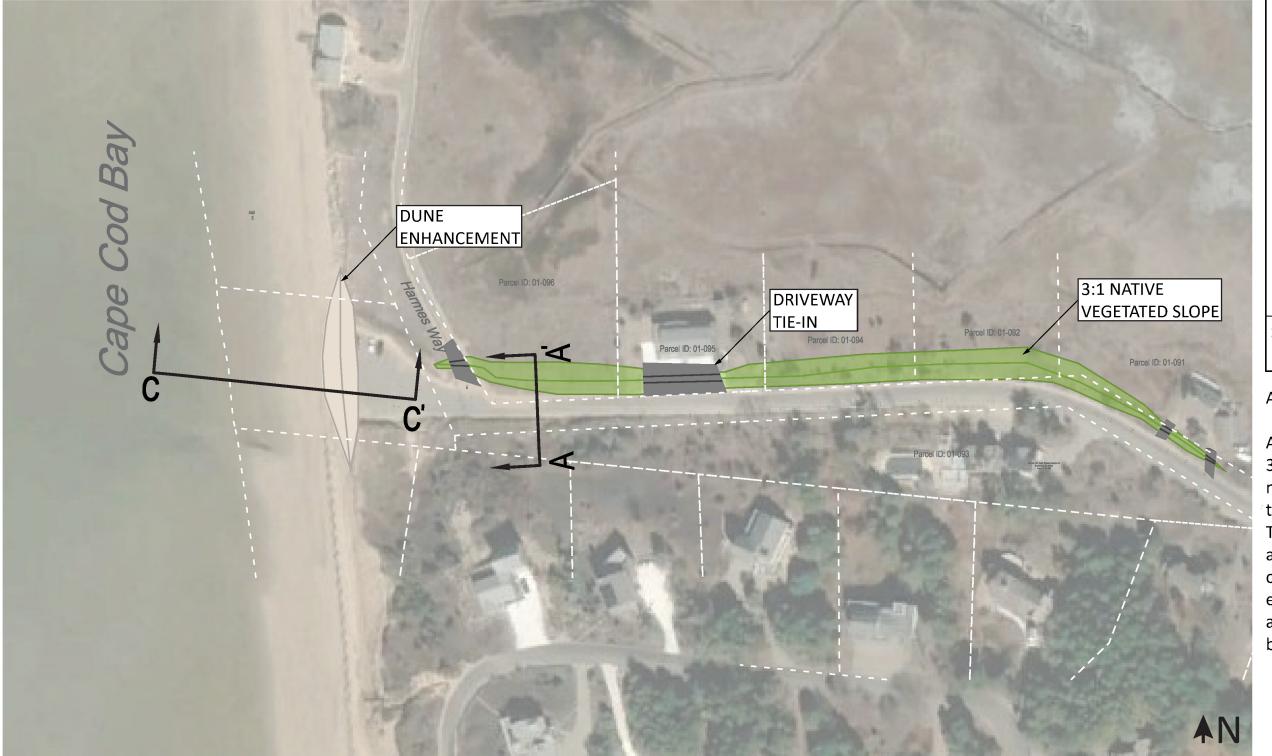


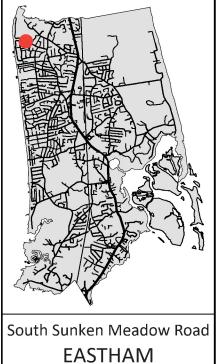
South Sunken Meadow Road, Eastham





GROUP

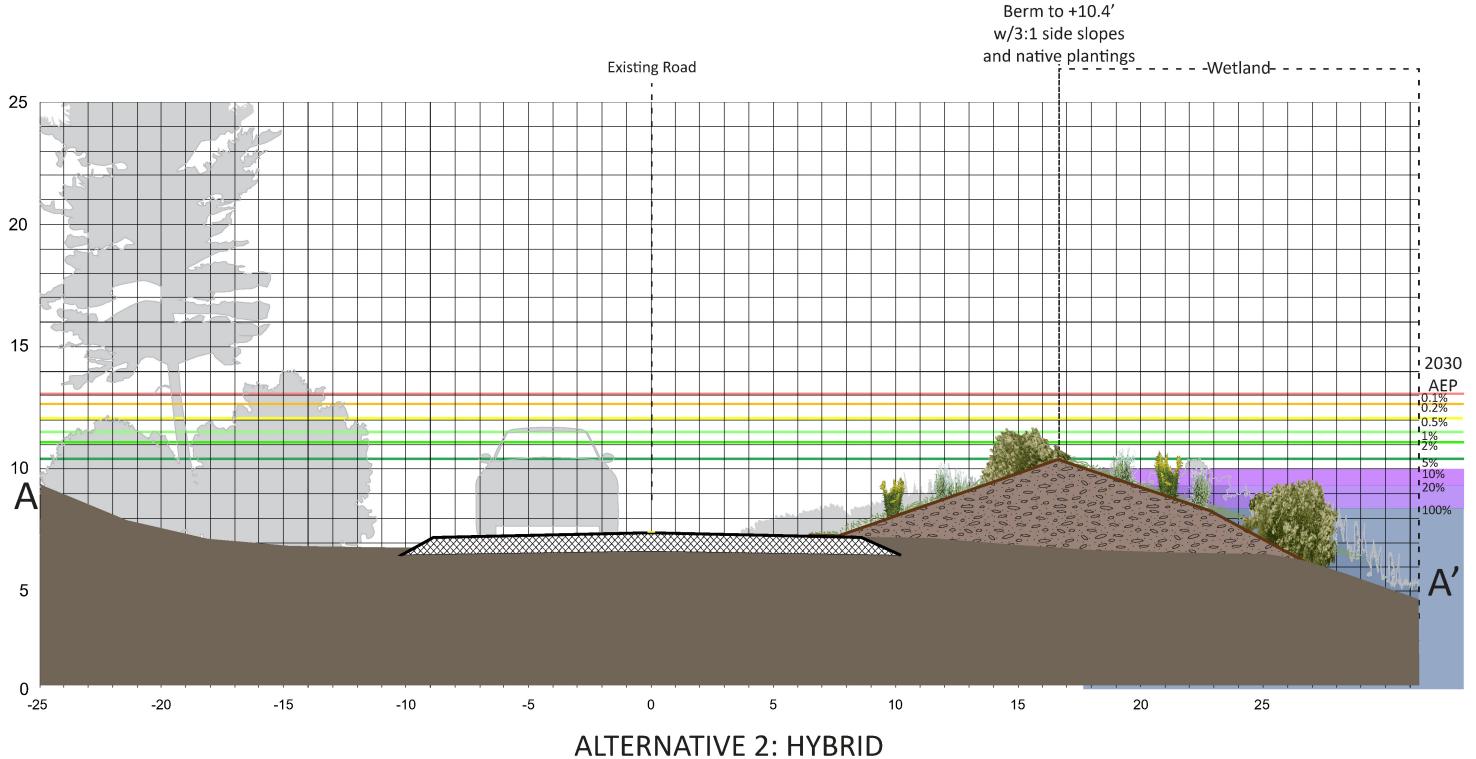




ALTERNATIVE 2: HYBRID

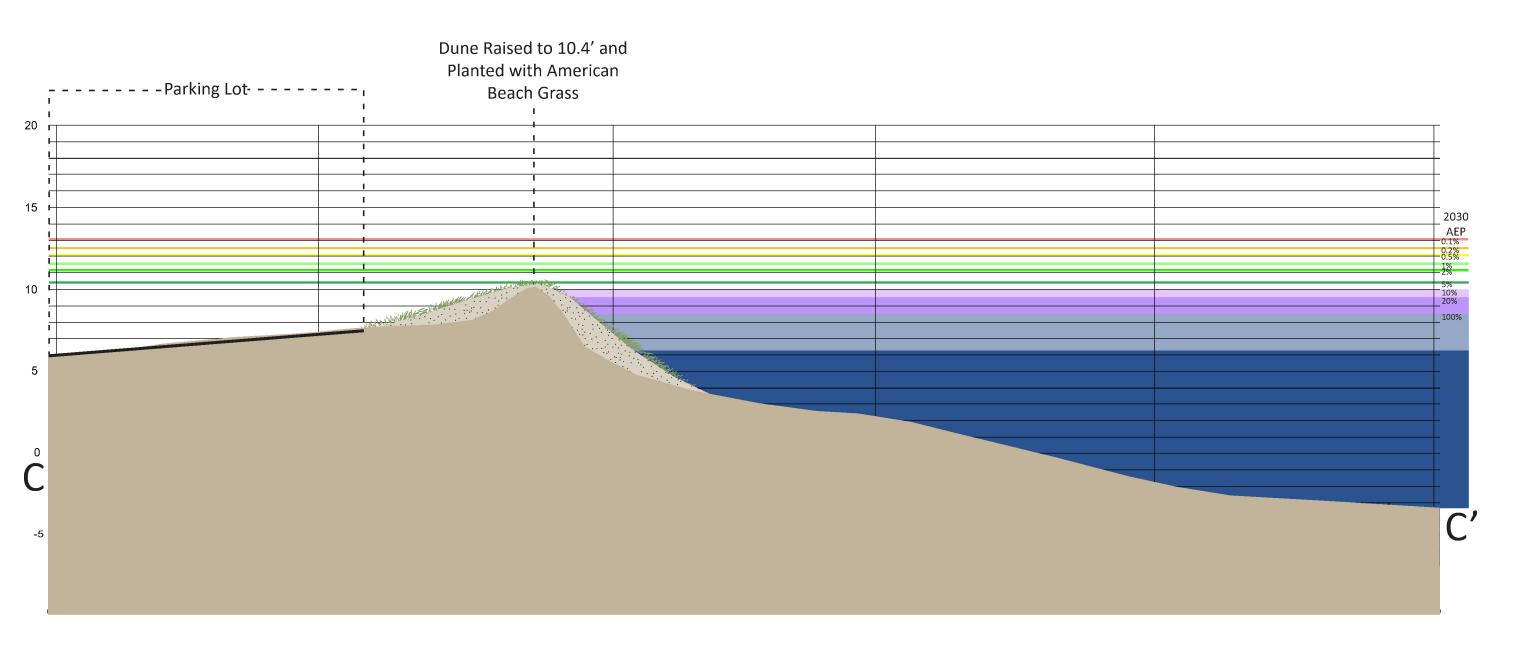
A berm to 10.4 feet with a 3:1 side slope planted with native vegetation is added on the northern side of the road. The dune is also enhanced to an elevation of 10.4 feet, and one row of parking spaces is eliminated. Driveway tie-ins at the eastern end of the berm are necessary.

Note: Project overlap with wetland areas, rights of way and property lines is approximate and needs confirmation with a site survey



South Sunken Meadow Road, Eastham

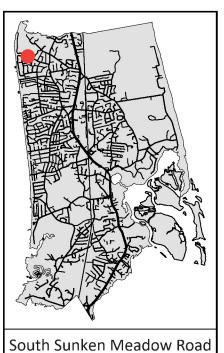










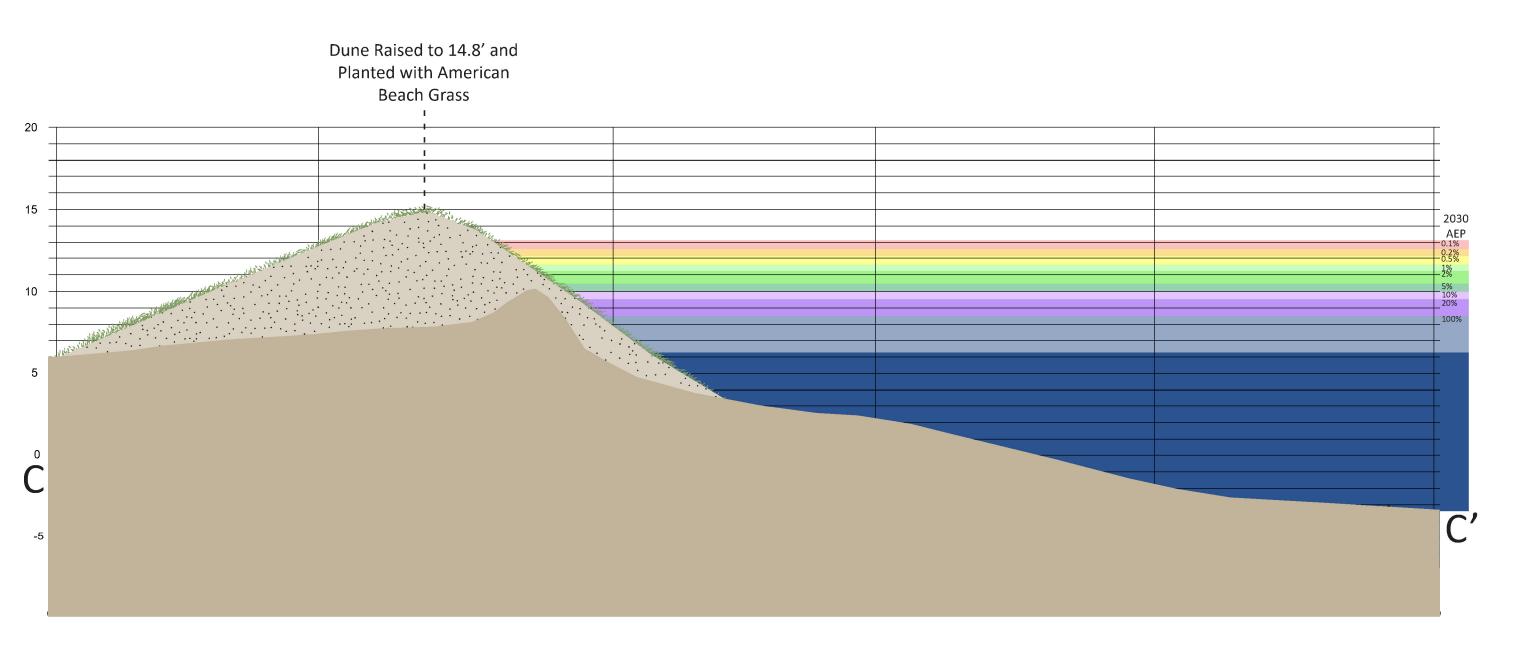


ALTERNATIVE 3: GREEN

EASTHAM

The beach parking lot is eliminated, and the dune is restored to 14.8 feet.
Alternative parking locations would need to be explored.

Note: Project overlap with wetland areas, rights of way and property lines is approximate and needs confirmation with a site survey







SOUTH SUNKEN MEADOW ROAD, EASTHAM

Summary of alternatives

		Critical	Annual Exceedance Probability			Vulnerable to	Impacts to Resource	Impacts to Private	Estimated
	Description	Elevation	2030	2050	2070	Tidal Flooding	Area(s)	Property	Cost*
EXISTING	A 20ft wide road adjacent to a marsh that ends in a beach parking lot.	6.3 feet	100%	100%	100%	2050	N/A	N/A	N/A
ALTERNATIVE 1: GRAY	1721 linear feet of Town-owned road are elevated from a lowest point of 6.3 feet to a lowest point of 9 feet with a 4:1 traditionally vegetated side slope. Driveway tie-ins in the eastern part of the road are necessary.	9.0 feet	20%	100%	100%	2070	Negative	Yes	\$724,000
ALTERNATIVE 2: HYBRID	A berm to 10.4 feet with a 3:1 side slope planted with native vegetation is added on the northern side of the road. The dune is also enhanced to an elevation of 10.4 feet, and one row of parking spaces is eliminated. Driveway tie-ins at the eastern end of the berm are necessary.	10.4 feet	5%	20%	100%	N/A	Possible Negative	Yes	\$147,000
ALTERNATIVE 3: GREEN	The beach parking lot is eliminated, and the dune is restored to 14.8 feet. Alternative parking locations would need to be explored.	14.8 feet	0%	0.2%	1%	N/A	None	No	\$108,000

^{*2023} installed material cost +40% escalation (through 2029) and 15% contingency. Excludes design, permitting, mobilization, stormwater and wastewater infrastructure, and site controls. Costs based on experienced contractor opinion and MassDOT costing data.