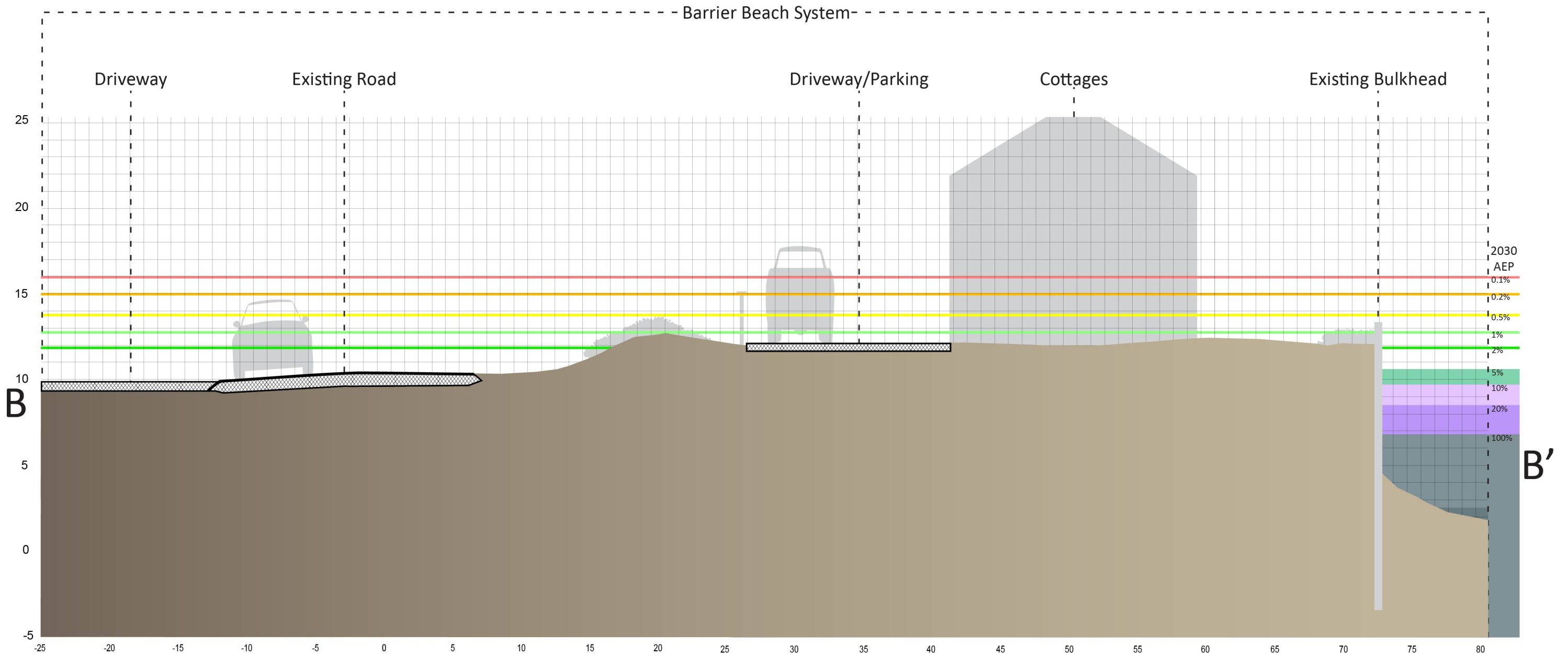


EXISTING CONDITIONS
Stotts Crossing, Truro



EXISTING CONDITIONS
Shore Road, Truro



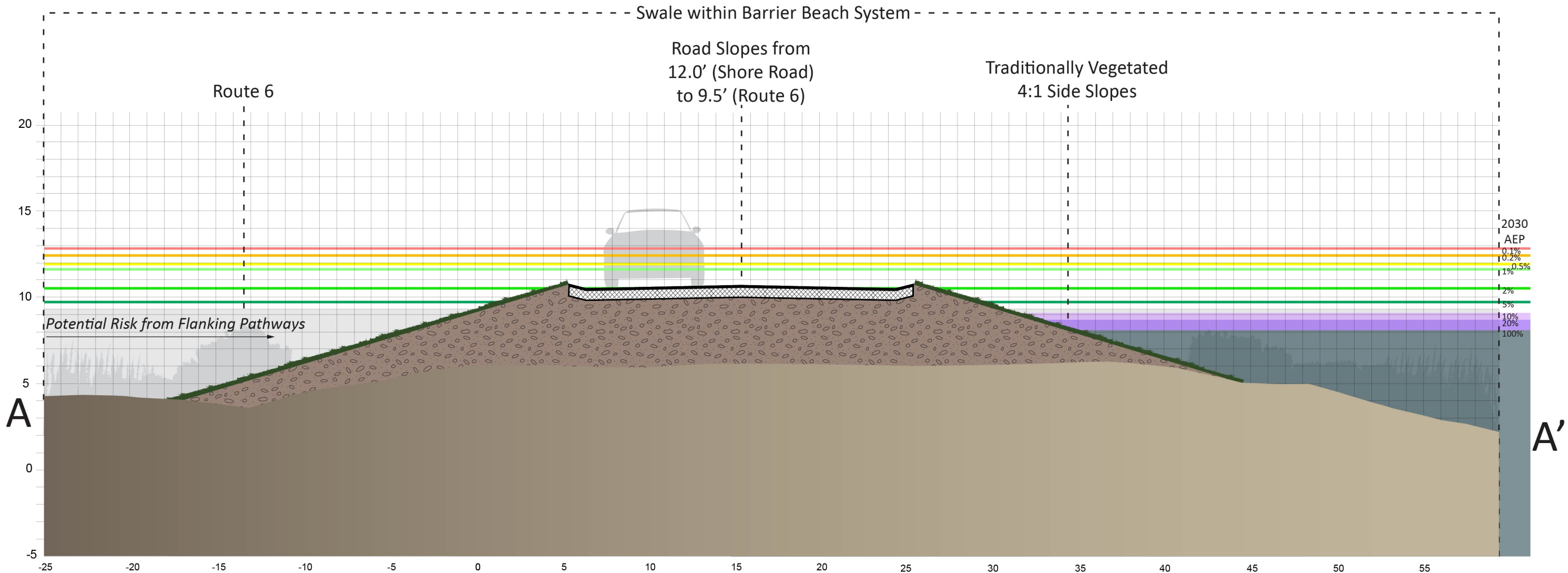
Note: Project overlap with wetland areas, rights of way and property lines is approximate and needs confirmation with a site survey



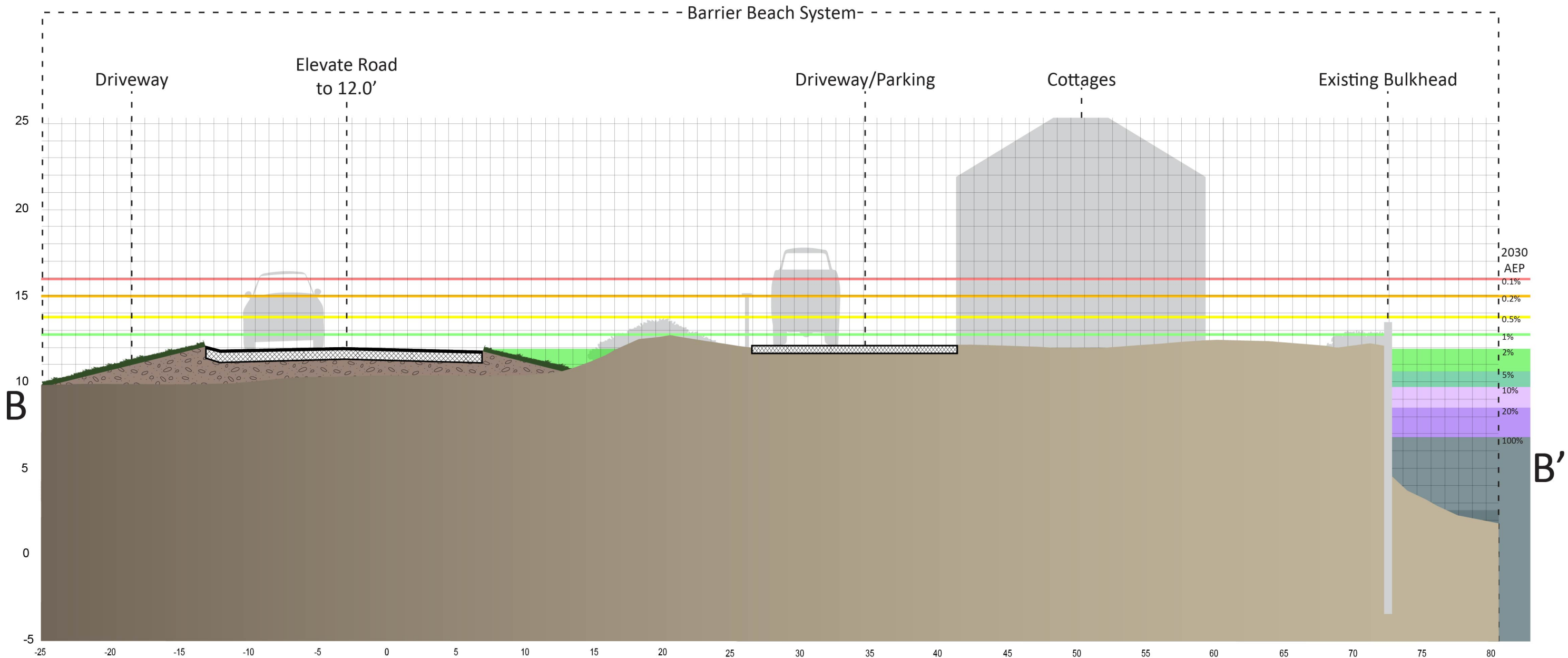
Shore Road at Stotts Crossing
TRURO

ALTERNATIVE 1: GRAY

1994 linear feet of town-owned road are raised Shore Road is raised from a lowest point of 8.5 feet to a lowest point of 12.0 feet. Stotts Crossing slopes from Shore Road at 12.0 feet to Route 6 at 9.5 feet, raising its lowest point from 5.9 to 9.5 feet. The road segments are protected from primary flood pathways from Cape Cod Bay to 12.0 feet and from potential flanking flood pathways from East Harbor to 9.5 feet.

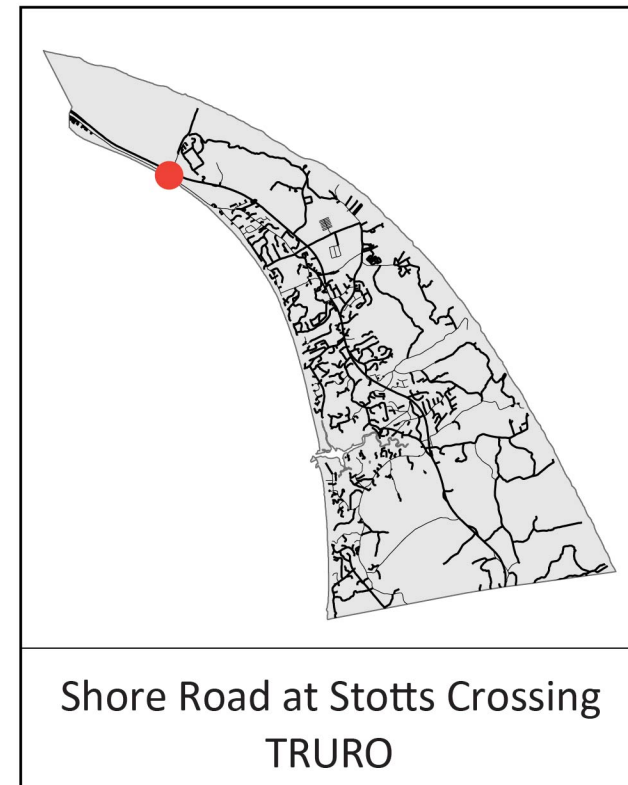


ALTERNATIVE 1: GRAY
Stotts Crossing, Truro



ALTERNATIVE 1: GRAY

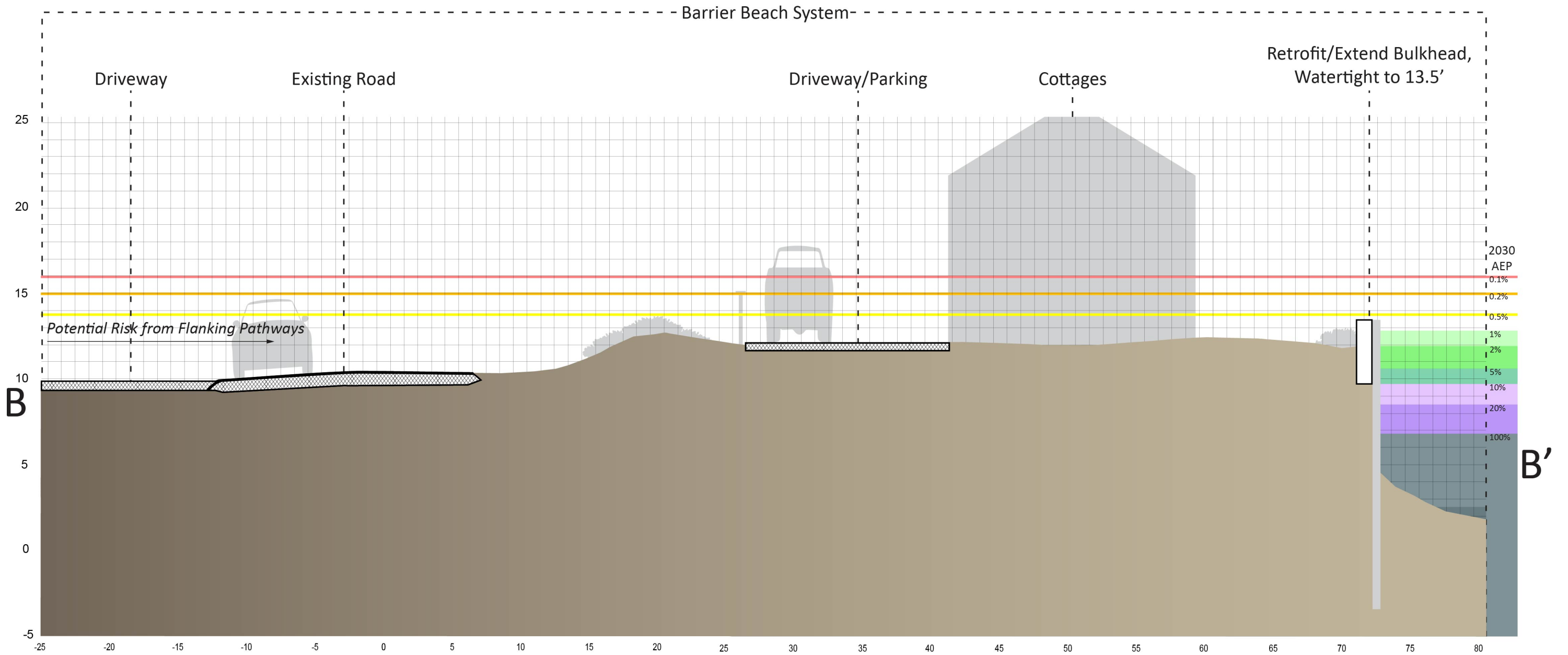
Shore Road, Truro



ALTERNATIVE 2: HYBRID

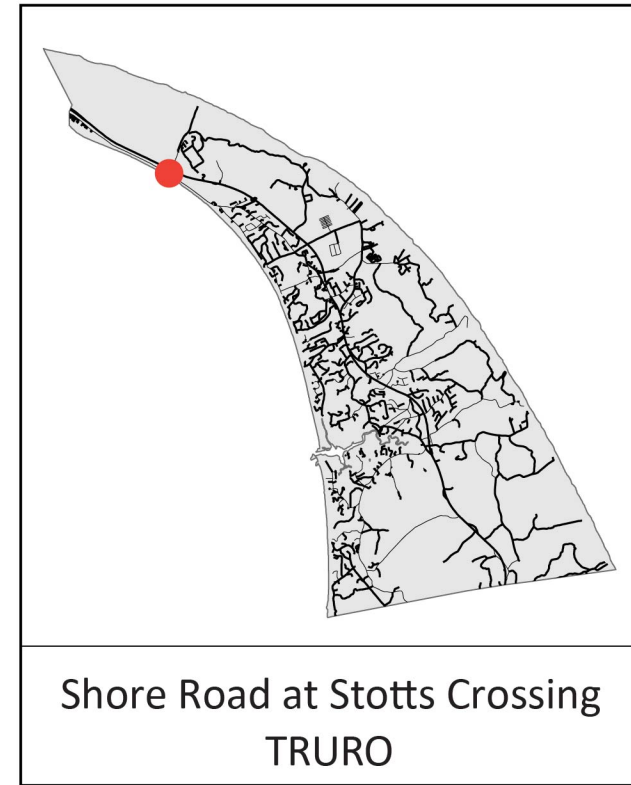
Approximately 2000 linear feet of private bulkhead are retrofitted or extended to provide protection to 13.5 feet. The bulkhead ties in to the existing dune at the town beach and existing higher bulkhead and dune on either end. This approach does not address possible flanking pathways from East Harbor.

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



ALTERNATIVE 2: HYBRID

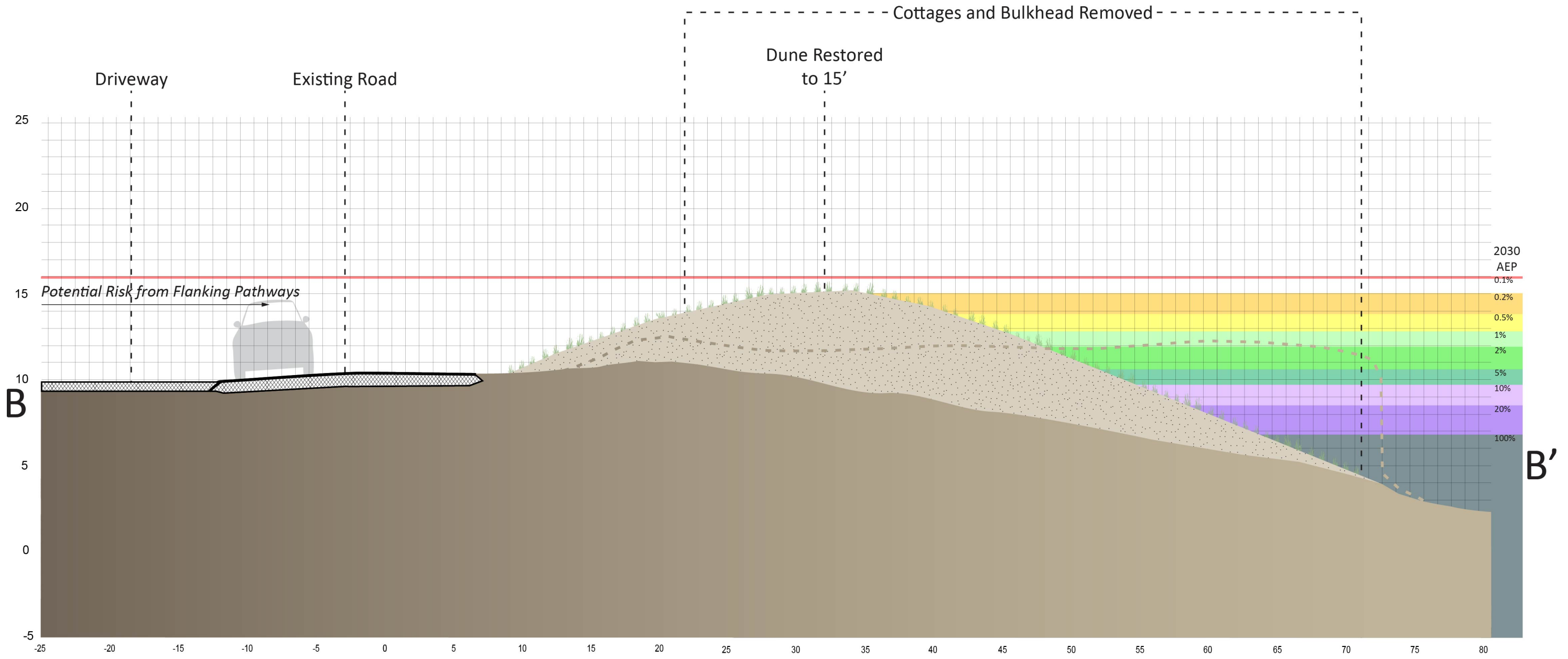
Shore Road, Truro



ALTERNATIVE 3: GREEN

Approximately 2400 linear feet of dunes and dune enhancements to 15 feet are constructed along Shore Road. Three parcels' worth of cottages are bought out. There is a possibility to extend this approach to the east to prevent flanking from Cape Cod Bay. This approach does not address possible flanking pathways from East Harbor.

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



ALTERNATIVE 3: GREEN

Shore Road, Truro

SHORE ROAD at STOTTS CROSSING, TRURO

Summary of alternatives

	Description	Critical Elevation	Annual Exceedance Probability			Vulnerable to Tidal Flooding	Impacts to Resource Area(s)	Impacts to Private Property	Estimated Cost*
			2030	2050	2070				
EXISTING	A segment of 20 foot wide road with a culvert crossing.	5.9 feet	100%	100%	100%	2070	N/A	N/A	N/A
ALTERNATIVE 1: GRAY	1994 linear feet of town-owned road are raised to 12.0 feet using traditionally vegetated 4:1 side slopes. Stotts Crossing slopes from Shore Road at 12.0 feet to Route 6 at 9.5 feet, raising its lowest point from 5.9 to 9.5 feet.	12.0 feet	0.5%	2%	20%	N/A	Minimal	Minimal	\$831,000
ALTERNATIVE 2: HYBRID	Approximately 2000 linear feet of private bulkhead are retrofitted or extended to provide protection to 13.5 feet. This approach does not address possible flanking pathways from East Harbor.	13.5 feet	0%	0.2%	2%	2070	Minimal	Yes	\$899,000 (excluding easments)
ALTERNATIVE 3: GREEN	1994 linear feet of town-owned road are raised Shore Road is raised from a lowest point of 8.5 feet to a lowest point of 12.0 feet. Stotts Crossing slopes from Shore Road at 12.0 feet to Route 6 at 9.5 feet, raising its lowest point from 5.9 to 9.5 feet. The road segments are protected from primary flood pathways from Cape Cod Bay to 12.0 feet and from potential flanking flood pathways from East Harbor to 9.5 feet.	15.0	0%	0%	0.2%	2070	Possible Positive	Yes	\$1,496,000 (excluding acquisitions)

*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.