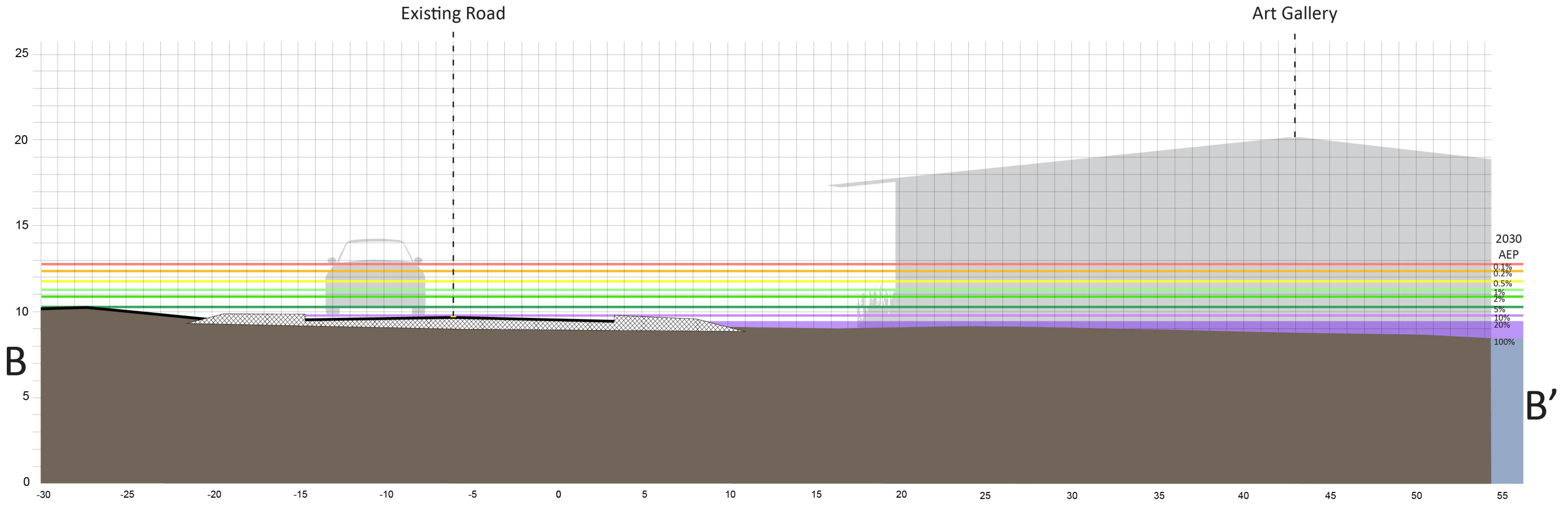
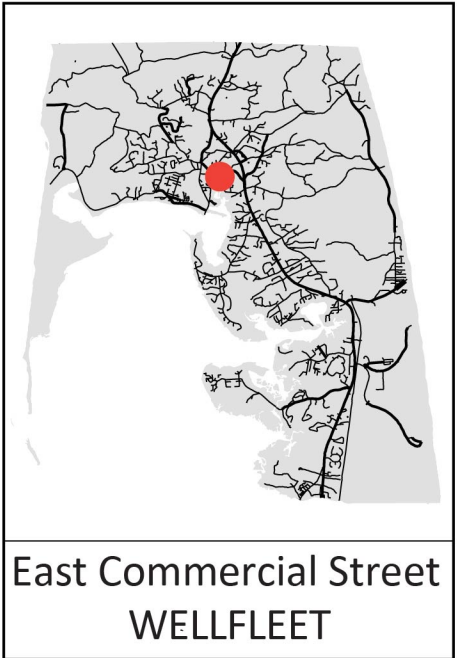
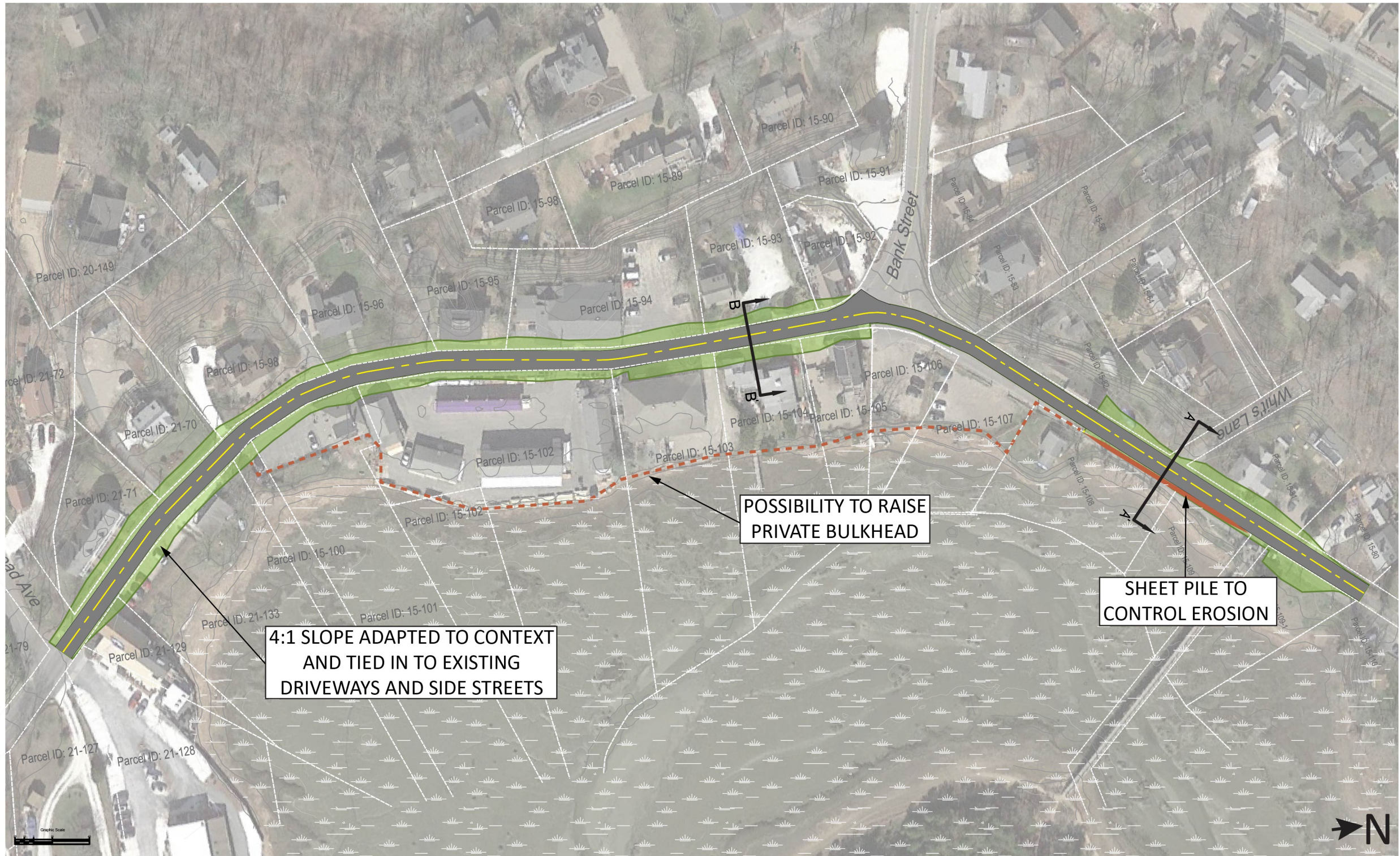


EXISTING CONDITIONS
 East Commercial Street, Wellfleet



EXISTING CONDITIONS
 East Commercial Street, Wellfleet

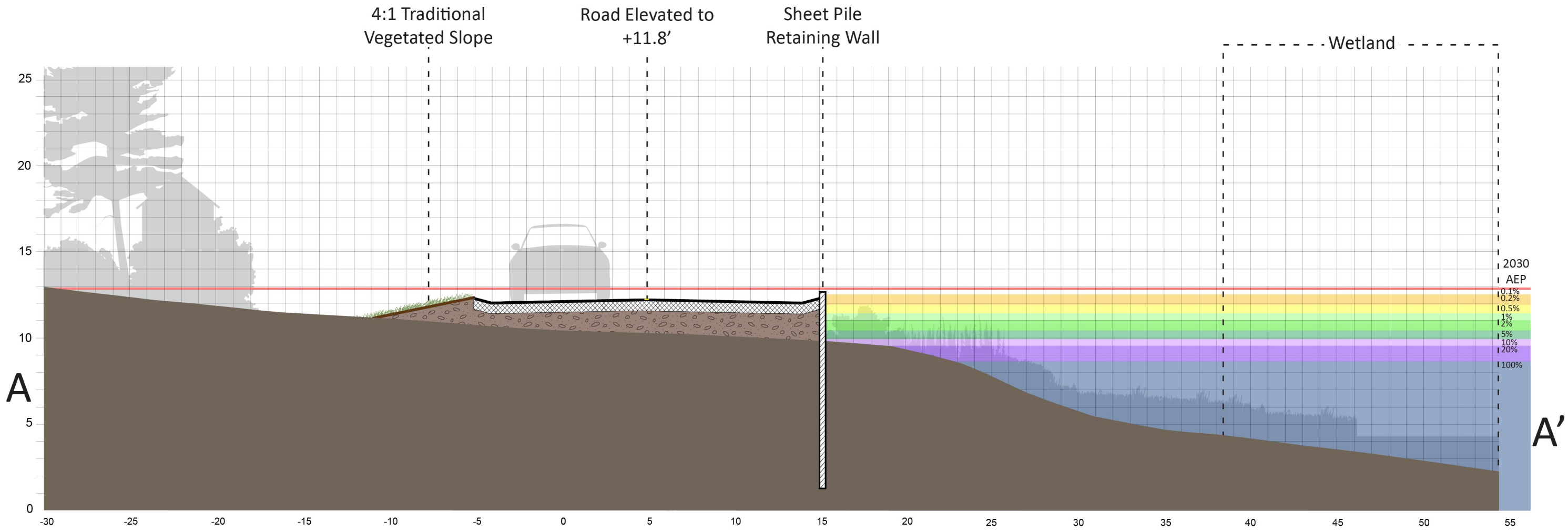


East Commercial Street
WELLFLEET

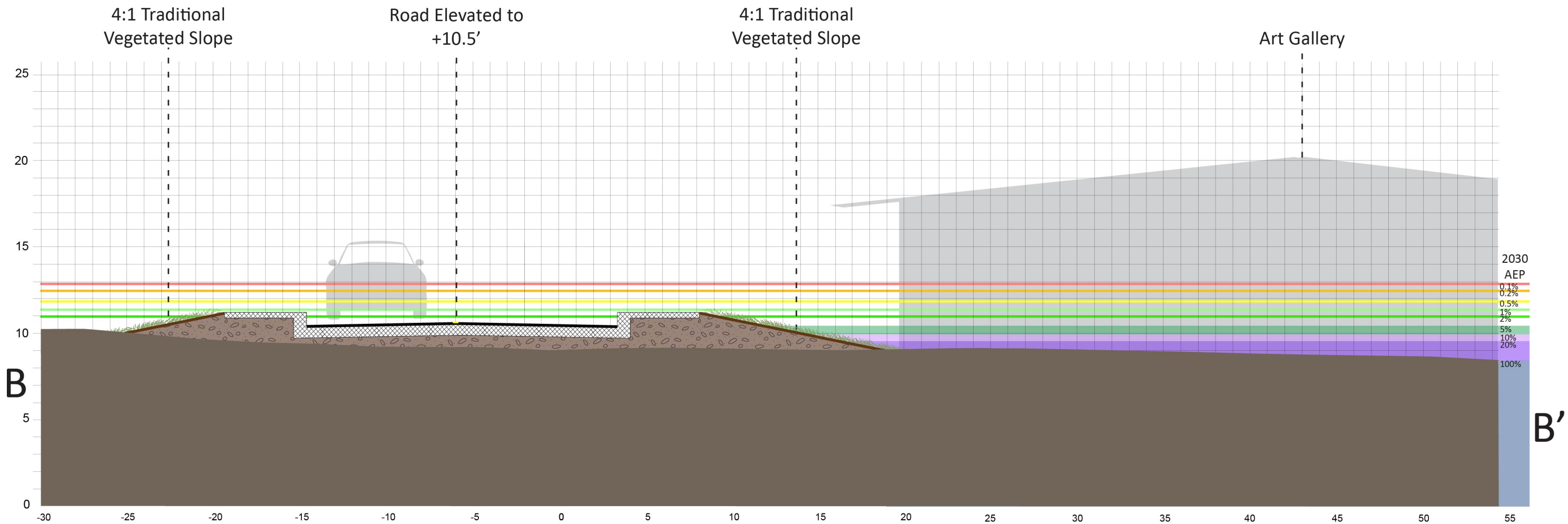
ALTERNATIVE 1: GRAY

1438 linear feet of Town-owned road are elevated from a lowest point of 8.6 feet to a lowest point of 10.5 feet. Sheet pile is used to control erosion on the coastal bank near Whit's Lane, and there is a possibility to raise the bulkhead edge and protect waterfront businesses, tying in to the sheet pile and eastern road segment at 11.8ft.

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

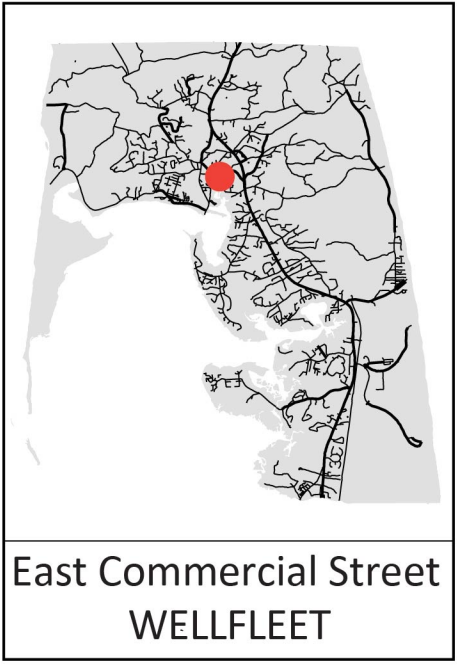


ALTERNATIVE 1: GRAY
 East Commercial Street, Wellfleet



ALTERNATIVE 1: GRAY

East Commercial Street, Wellfleet

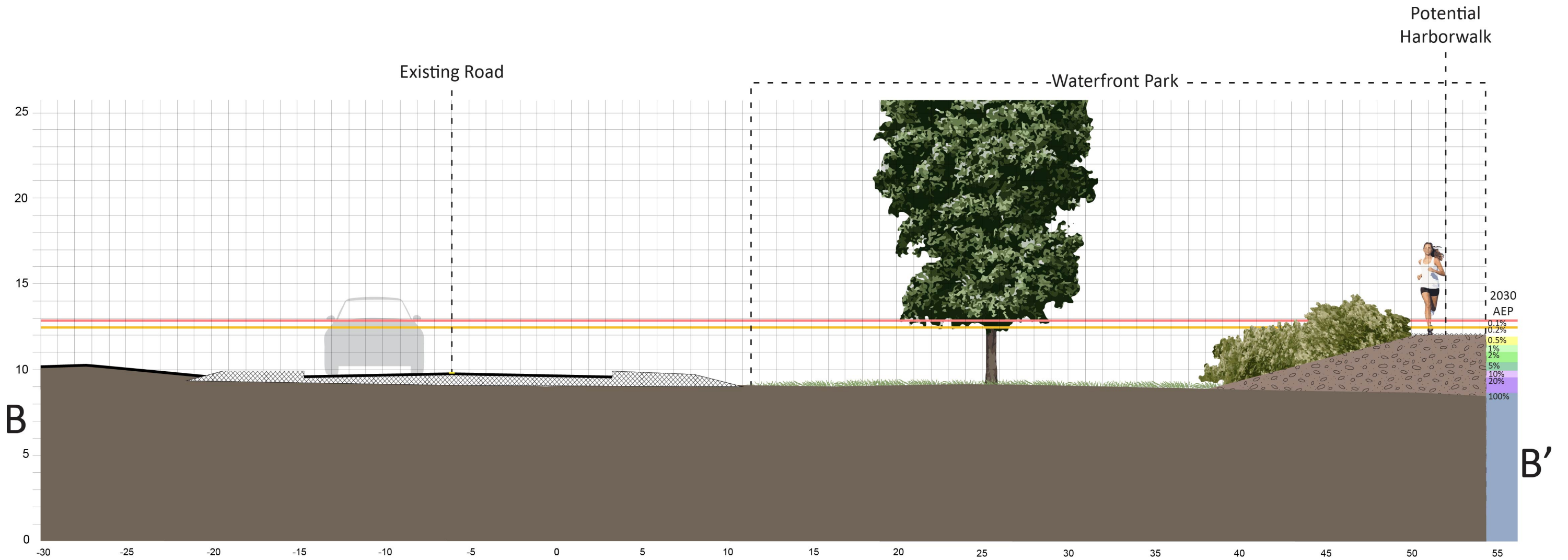


**East Commercial Street
WELLFLEET**

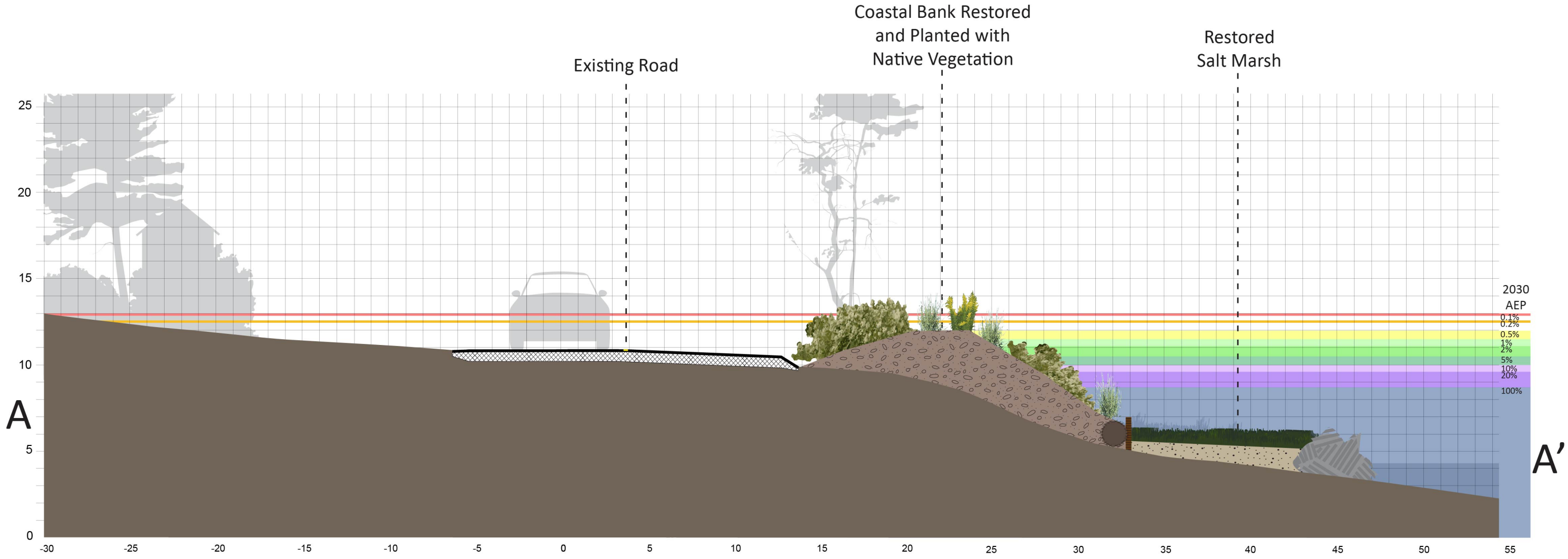
ALTERNATIVE 2: HYBRID

The coastal bank near Whit's Lane is stabilized and restored using coastal bank and salt marsh vegetation, erosion control materials, fill, and sand. Waterfront properties on East Commercial Street are acquired and converted to a waterfront park, which integrates a berm to 12 feet with a shared use path.

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



ALTERNATIVE 2: HYBRID
 East Commercial Street, Wellfleet



ALTERNATIVE 2: HYBRID
 East Commercial Street, Wellfleet

EAST COMMERCIAL STREET, WELLFLEET

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 21ft wide road with commercial and residential uses.	8.6 feet	20%	100%	100%	2070	N/A	N/A	N/A	
ALTERNATIVE 1: GRAY	1438 linear feet of Town-owned road are elevated from a lowest point of 8.6 feet to a lowest point of 10.5 feet. Sheet pile is used to control erosion on the coastal bank near Whit’s Lane, and there is a possibility to raise the bulkhead edge and protect waterfront businesses, tying in to the sheet pile and eastern road segment at 11.8ft.	A	11.8 feet	0.5%	10%	100%	N/A	Negative	Yes	\$699,000
		B	10.5 feet	5%	20%	100%				
ALTERNATIVE 2: HYBRID	The coastal bank near Whit’s Lane is stabilized and restored using coastal bank and salt marsh vegetation, erosion control materials, fill, and sand. Waterfront properties on East Commercial Street are acquired and converted to a waterfront park, which integrates a 12 foot berm and shared use path. The berm and path connect to Uncle Tim’s Bridge.	12.0 feet	0.2%	5%	20%	N/A	Possible Positive	Yes	\$1,650,000+ (excludes buyouts)	

*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.