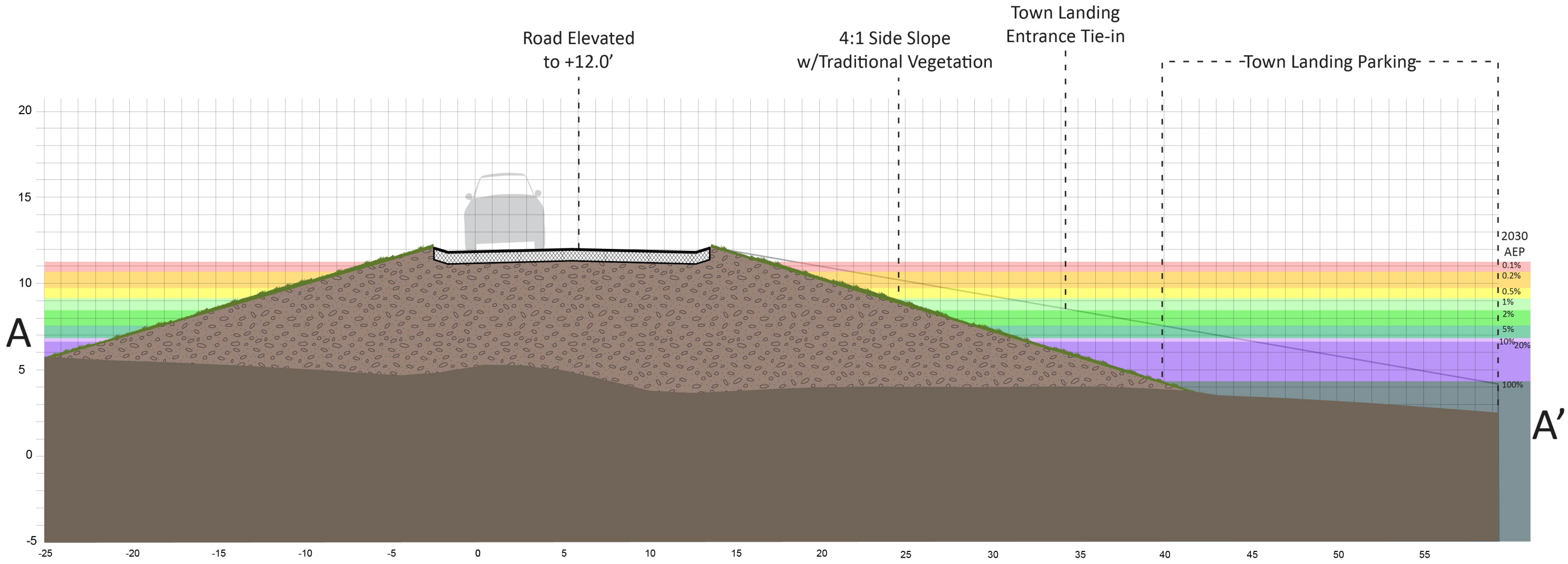
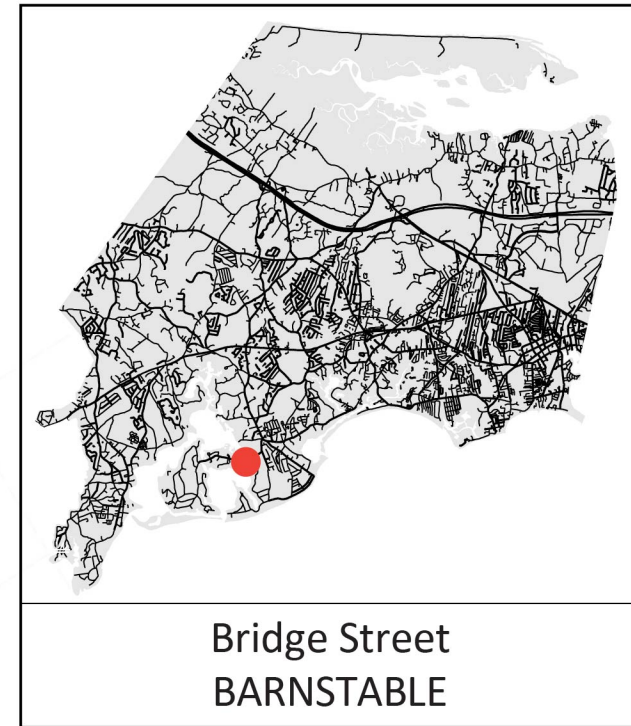
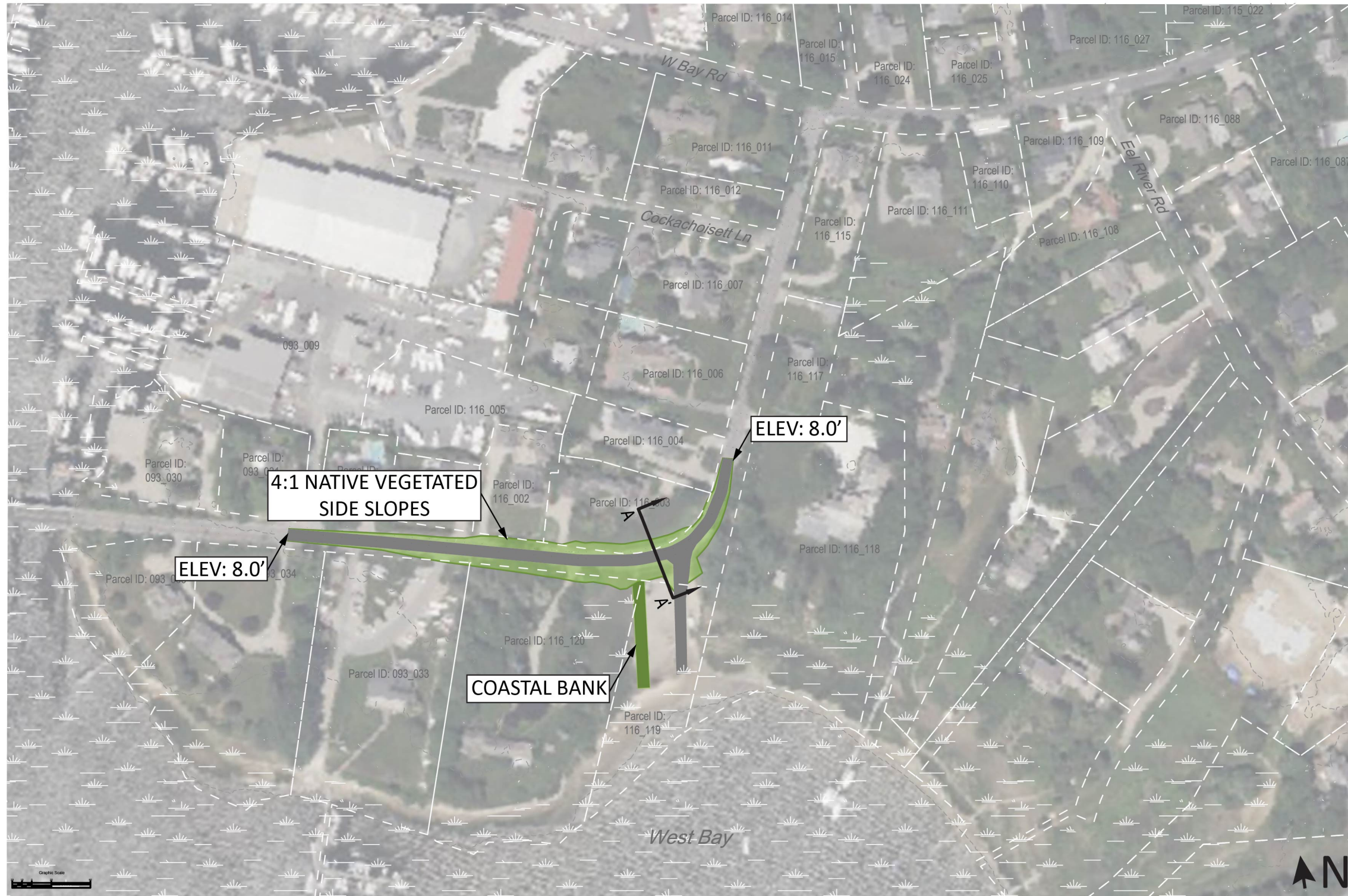


EXISTING CONDITIONS
 Bridge Street, Barnstable



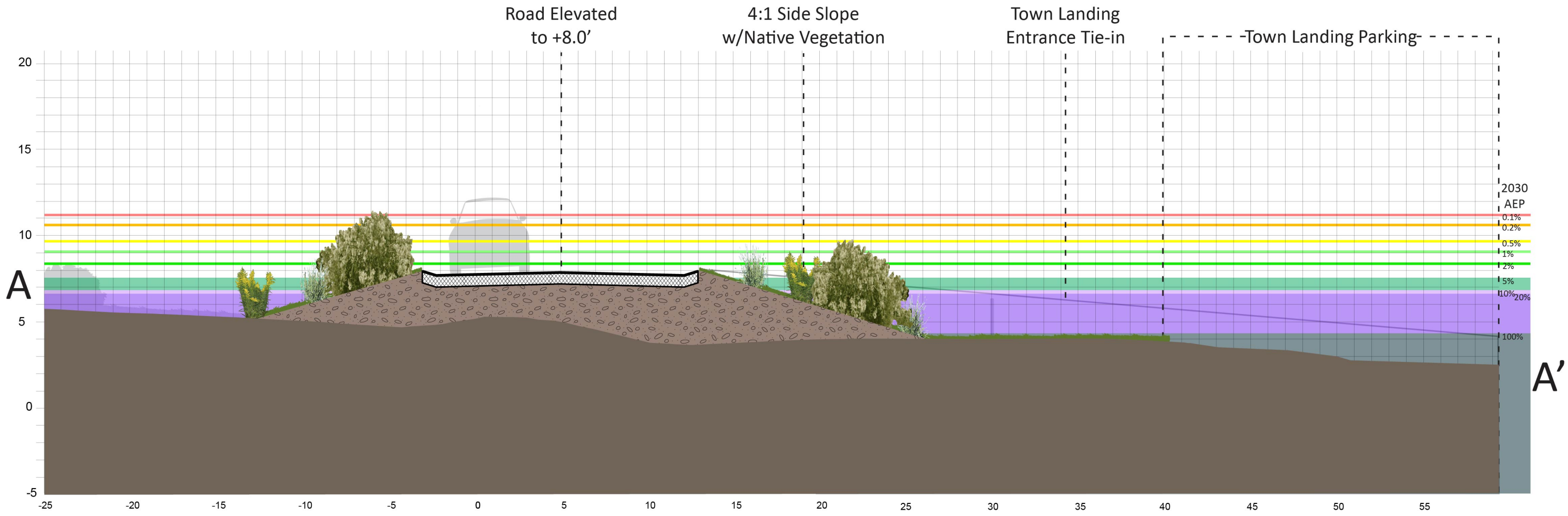
ALTERNATIVE 1: GRAY
 Bridge Street, Barnstable



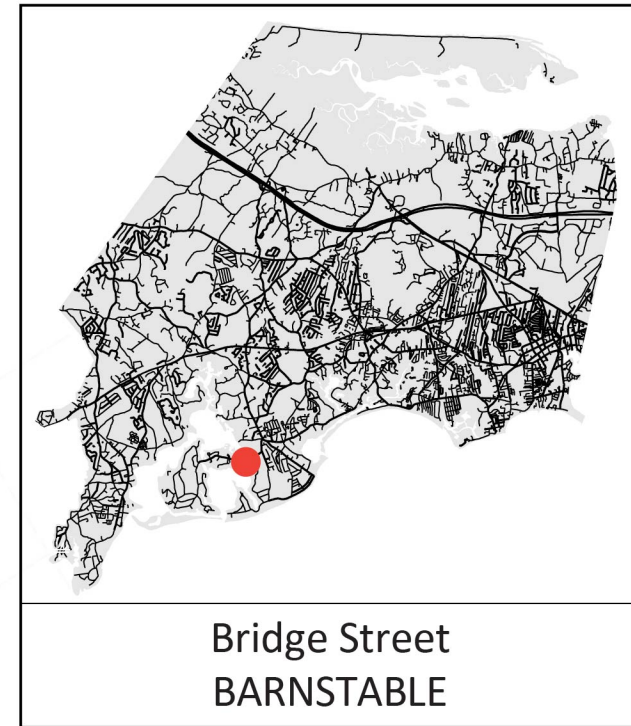
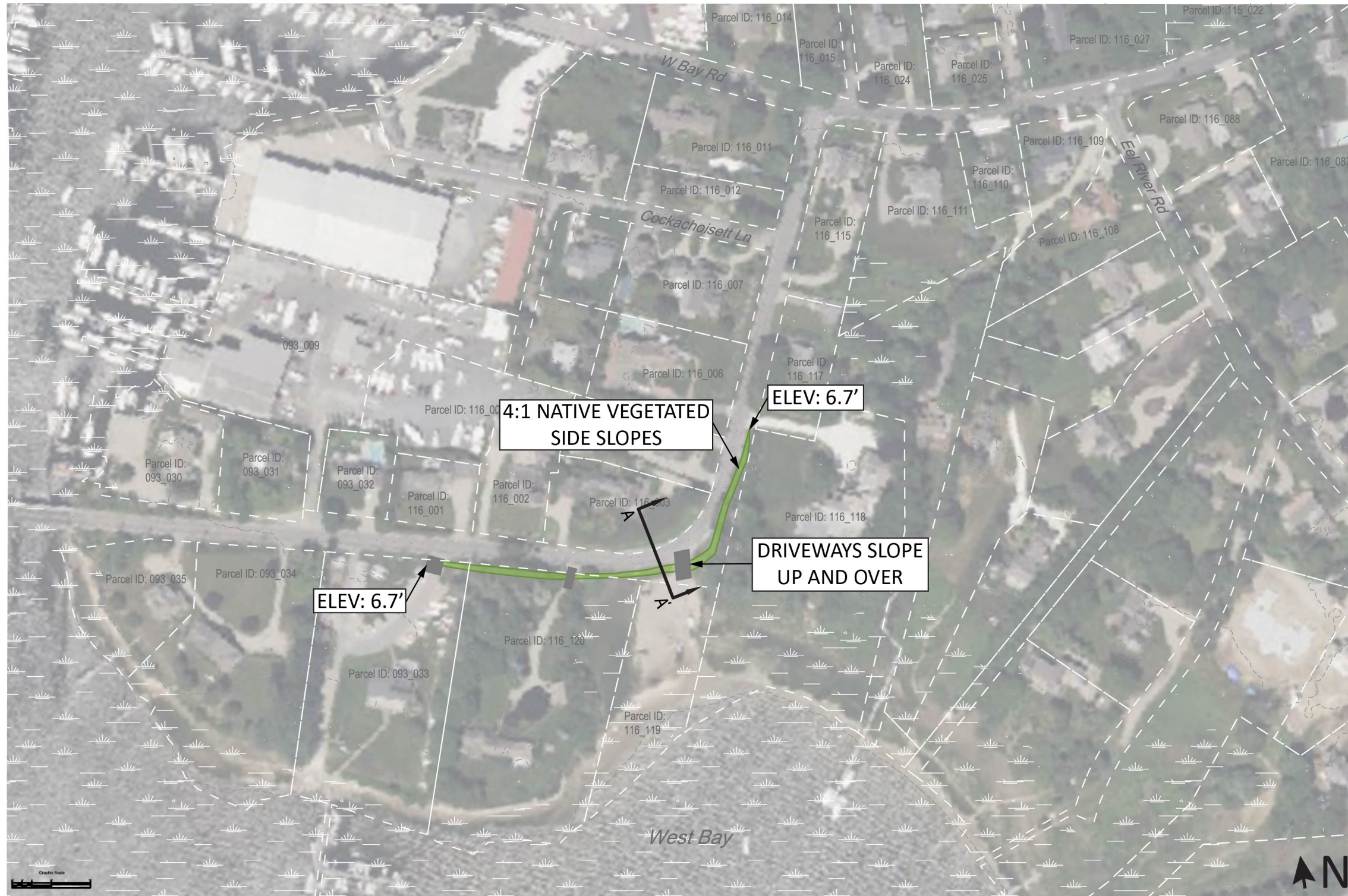
ALTERNATIVE 2: HYBRID

611 linear feet of town-owned road is elevated to 8.0 feet with 4:1 traditionally vegetated side slopes. The town landing is narrowed slightly and a gently sloping coastal bank is restored next to the existing salt marsh.

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



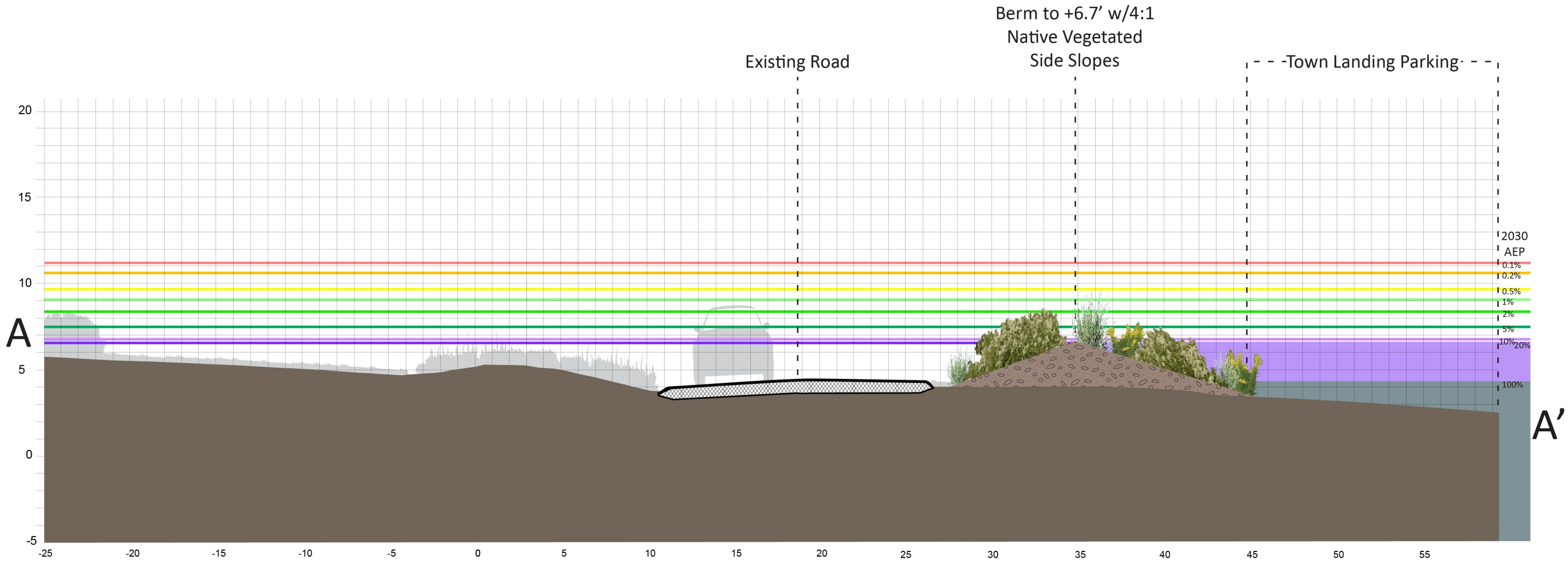
ALTERNATIVE 2: HYBRID
 Bridge Street, Barnstable



ALTERNATIVE 3: GREEN

A small berm to +6.7 feet with 4:1 side slopes and native vegetation is added at the curve of the road. Two driveways and the town landing entrance slope up and over the berm to prevent the need for deployable barriers.

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



ALTERNATIVE 3: GREEN
 Bridge Street, Barnstable

BRIDGE STREET, BARNSTABLE

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 marina, town landing, and bridge.	3.8 feet	100%	100%	100%	2050	N/A	N/A	N/A
ALTERNATIVE 1: GRAY	1711 linear feet of town-owned road is elevated to 12.0 feet with 4:1 traditionally vegetated side slopes. The road slopes to parking lots, side streets, and the town landing.	12.0 feet	0%	2%	5%	N/A	Minor	Yes	\$1,360,000
ALTERNATIVE 2: HYBRID	611 linear feet of town-owned road is elevated to 8.0 feet with 4:1 traditionally vegetated side slopes. The town landing is narrowed slightly and a gently sloping coastal bank is restored next to the existing salt marsh.	8.0 feet	2%	20%	20%	N/A	Possible Positive	Yes	\$585,000
ALTERNATIVE 3: GREEN	A small berm to 6.7 feet with 4:1 side slopes and native vegetation is added at the curve of the road. Two driveways and the town landing entrance slope up and over the berm to prevent the need for deployable barriers.	6.7 feet	20%	20%	100%	2070	N/A	Minor	\$28,000

*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.