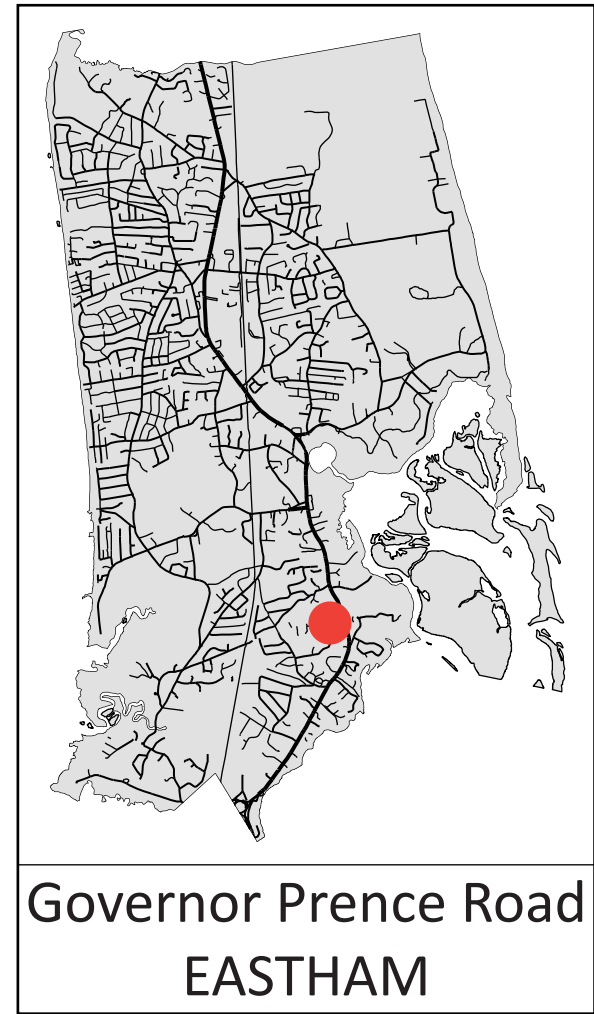
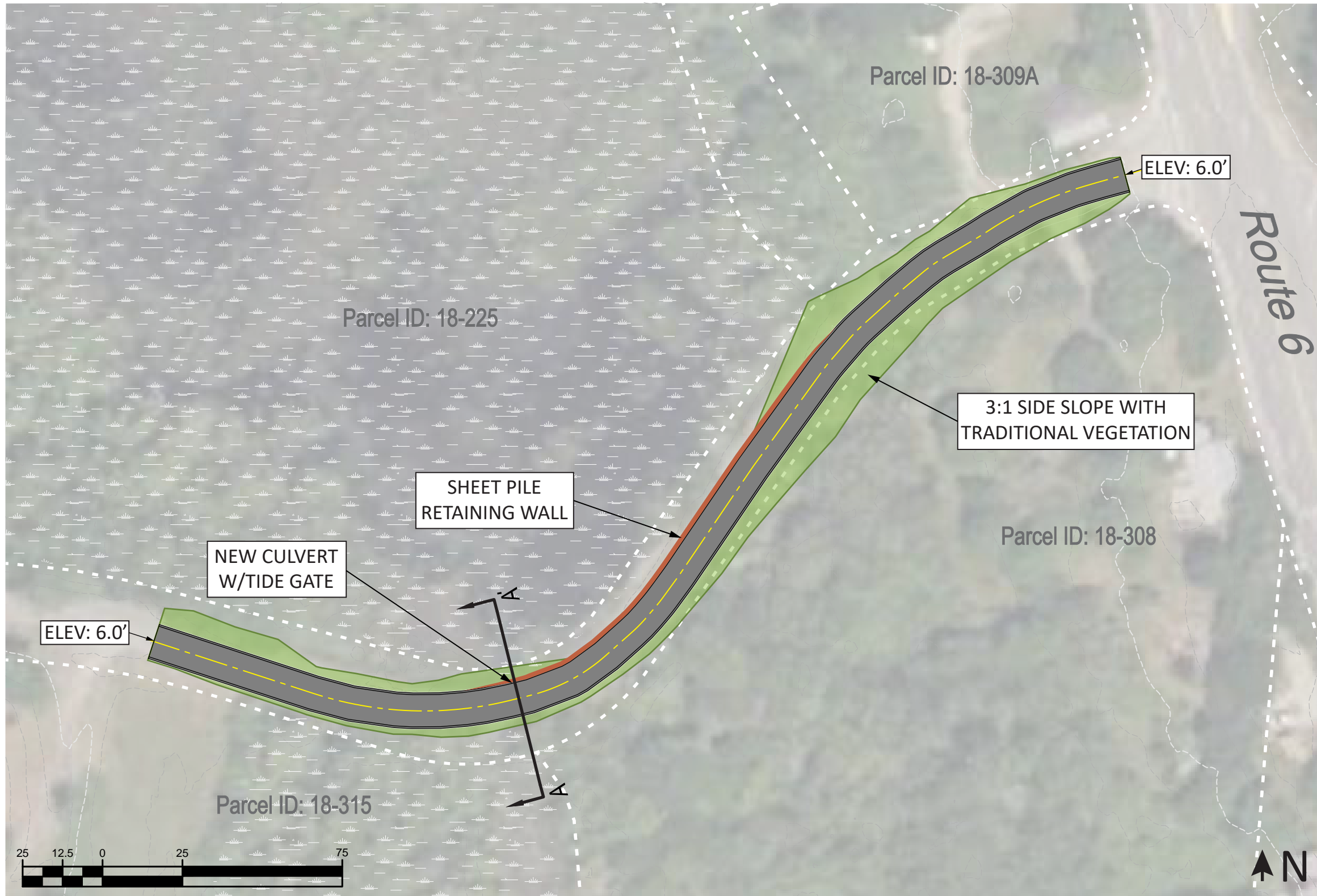


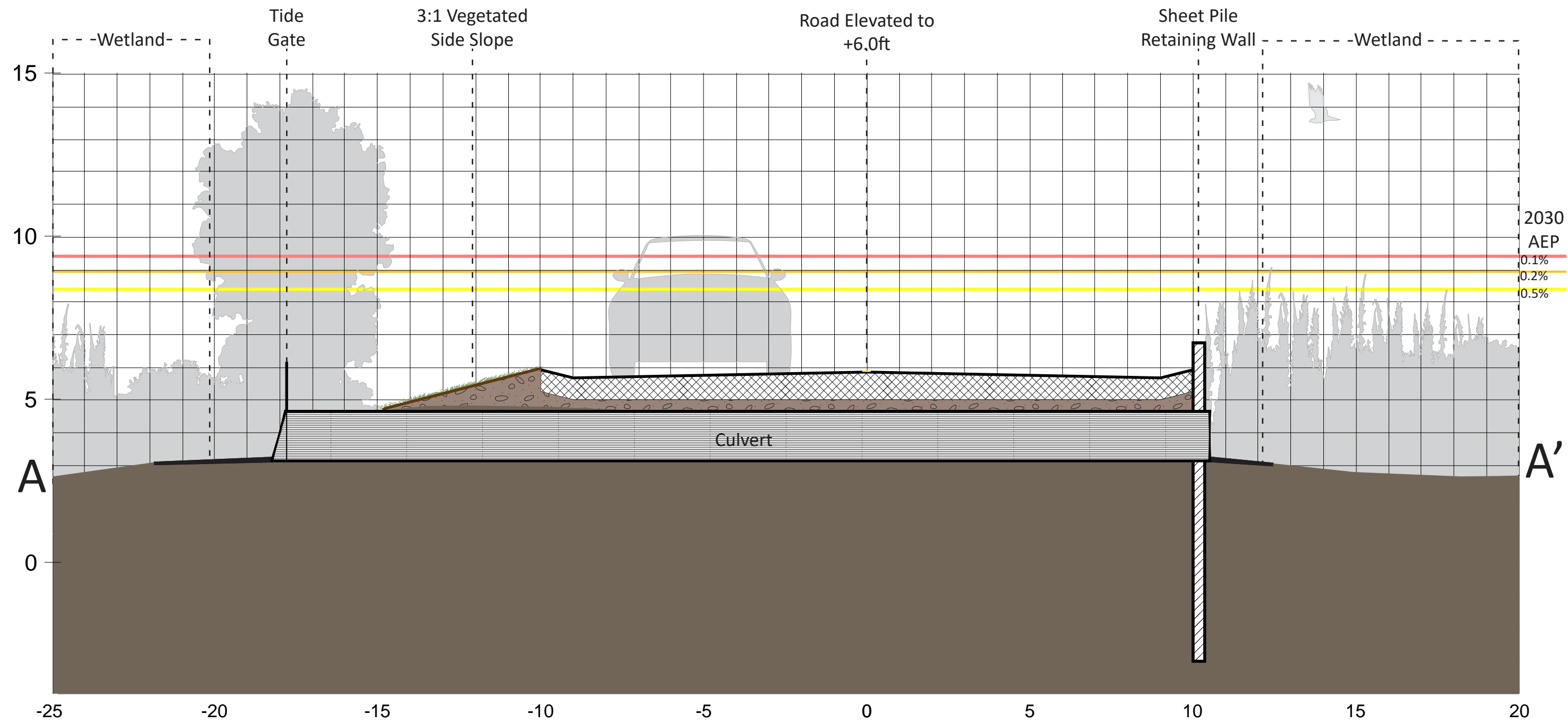
**EXISTING CONDITIONS**  
Governor Prence Road, Eastham



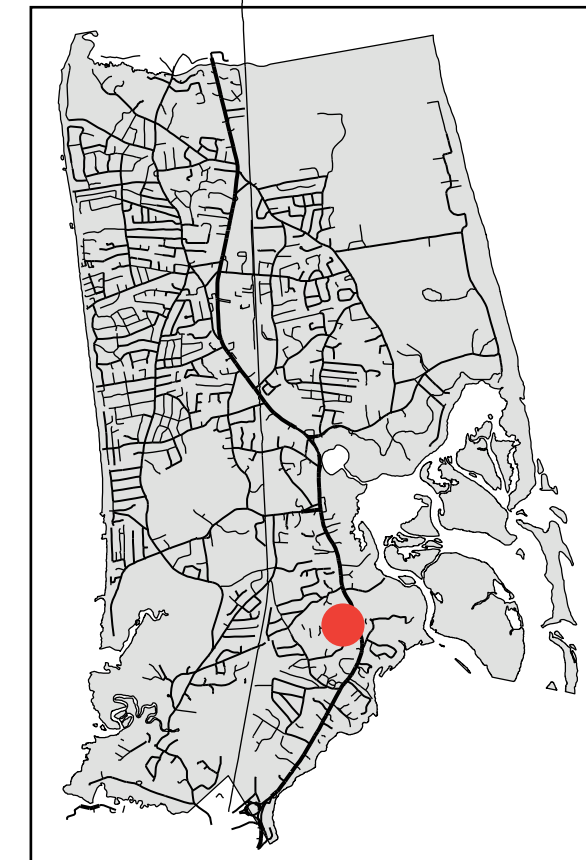
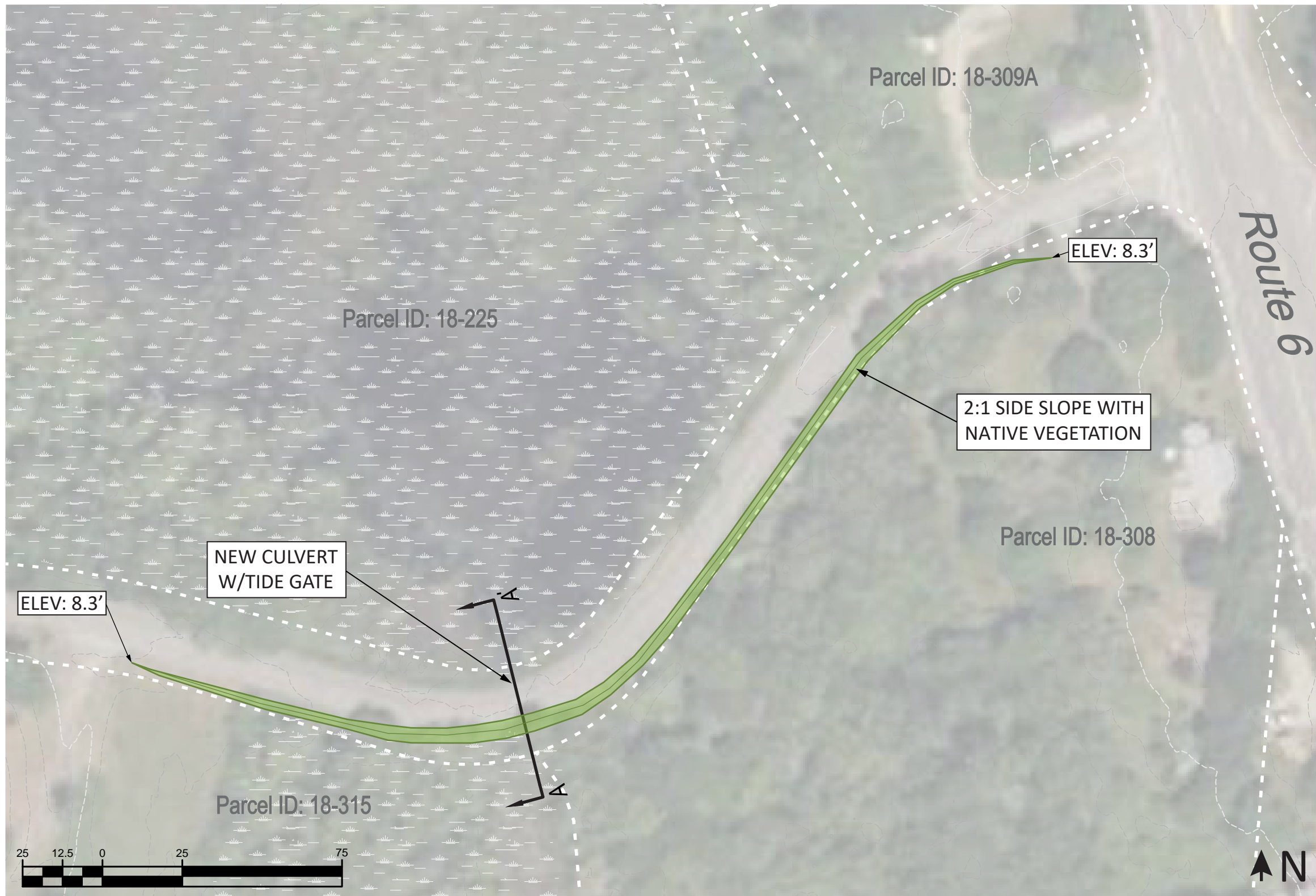
#### ALTERNATIVE 1: GRAY

672 linear feet of Town-owned road is elevated from a lowest point of 4.1 feet to a lowest point of 6.0 feet. A larger culvert and tide gate are added.

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



**ALTERNATIVE 1: GRAY**  
Governor Prencce Road, Eastham

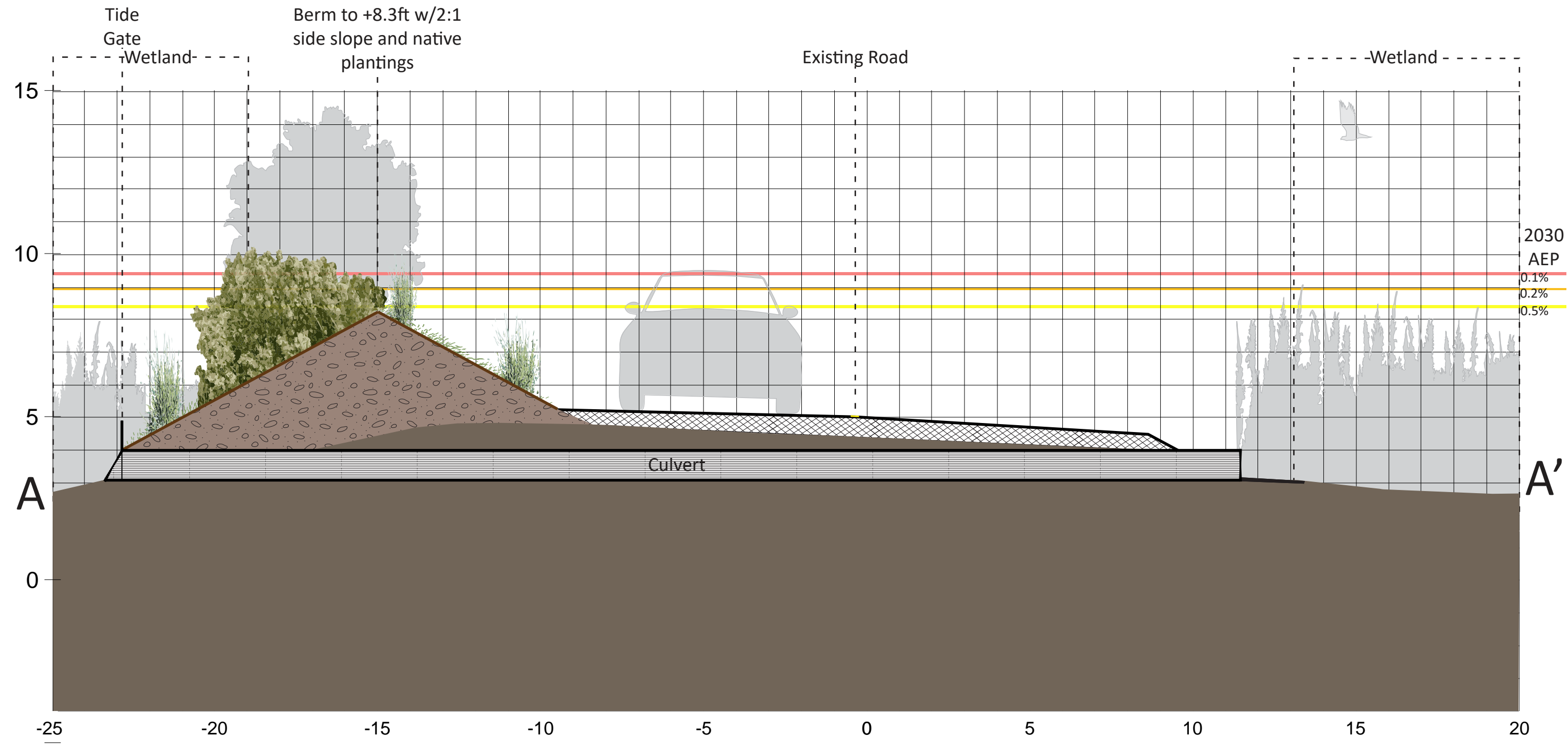


## Governor Prence Road EASTHAM

### ALTERNATIVE 2: HYBRID

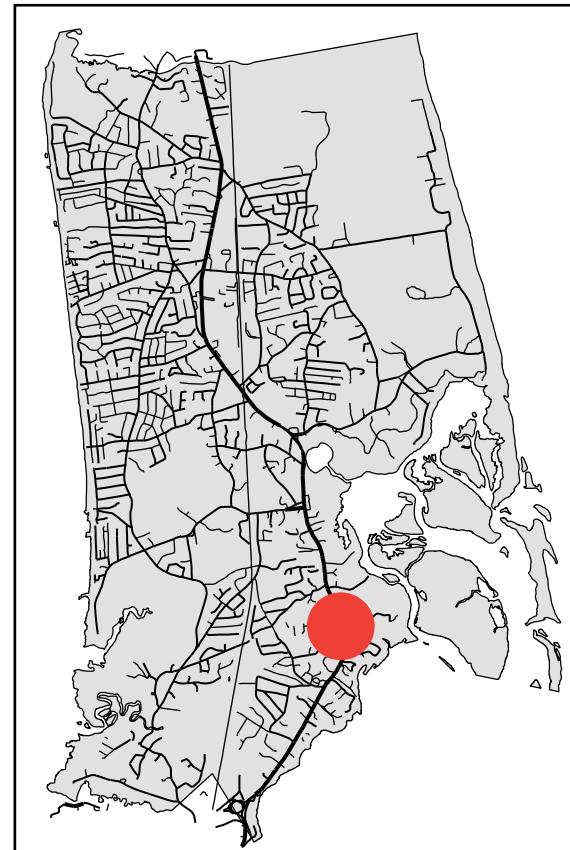
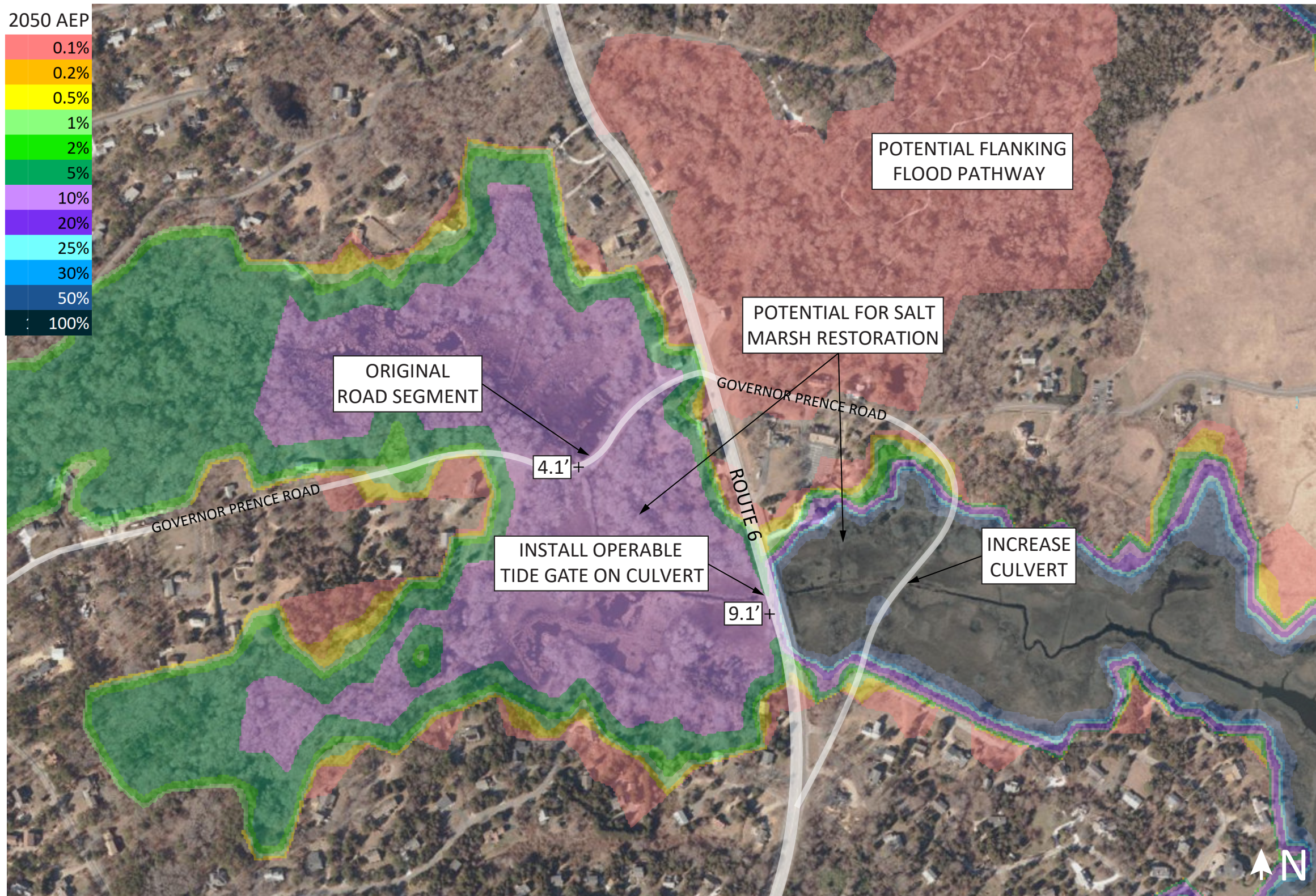
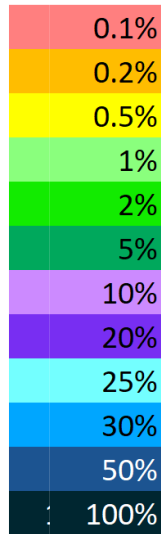
680 linear feet of berm at elevation 8.3 feet is added on the southern side of the road. A 2:1 slope is used to minimize overlap with resource areas and private property, and the berm is planted with native vegetation. A new culvert and tide gate are added.

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



**ALTERNATIVE 2: HYBRID**  
Governor Prentice Road, Eastham

2050 AEP



## Governor Prence Road EASTHAM

### ALTERNATIVE 3: GREEN

A larger culvert is installed at the eastern tidal creek crossing of Governor Prence Road, and a tide gate is installed at Route 6 to allow the highway to act as a flood protection berm. The low lying road segment is protected to 9.1 feet. 2050 Flood Exceedance Probabilities are shown.

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

# GOVERNOR PRENCE ROAD, EASTHAM

Summary of alternatives

	Description	Critical Elevation	Annual Exceedance Probability			Vulnerable to Tidal Flooding	Impacts to Wetlands	Impacts to Private Property	Estimated Cost*
			2030	2050	2070				
EXISTING	A segment of 19ft wide road with adjacent marsh and a culvert crossing.	4.1 feet	0.5%	10%	100%	2050	N/A	N/A	N/A
ALTERNATIVE 1: GRAY	672 linear feet of Town-owned road are elevated from a lowest point of 4.1 feet to a lowest point of 6.0 feet. A larger culvert and tide gate are added.	6.0 feet	0.5%	10%	100%	2070	Possible Negative	Yes	\$195,000
ALTERNATIVE 2: HYBRID	680 linear feet of berm at elevation 8.3 feet are added on the southern side of the road. A 2:1 slope is used to minimize overlap with resource areas and private property, and the berm is planted with native vegetation. A new culvert and tide gate are added.	8.3 feet	0.5%	10%	100%	N/A	Possible Negative	Yes	\$96,000
ALTERNATIVE 3: GREEN	A larger culvert is installed at the eastern tidal creek crossing of Governor Prence Road, and a tide gate is installed at Route 6 to allow the highway to act as a flood protection berm. The low lying road segment is protected to 9.1 feet with no modifications.	9.1 feet	0.2%	2%	100%	N/A	Possible Positive	No	\$50,000

\*Installed material cost +20% contingency. Excludes design, permitting, mobilization, stormwater and wastewater infrastructure, and site controls. Costs based on RSMeans 2021 cost book and adjusted for inflation and region.