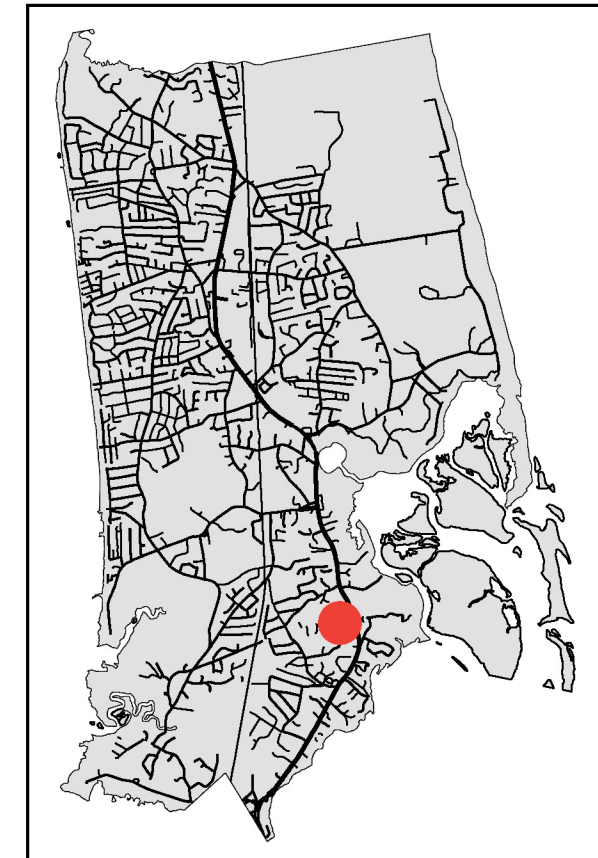
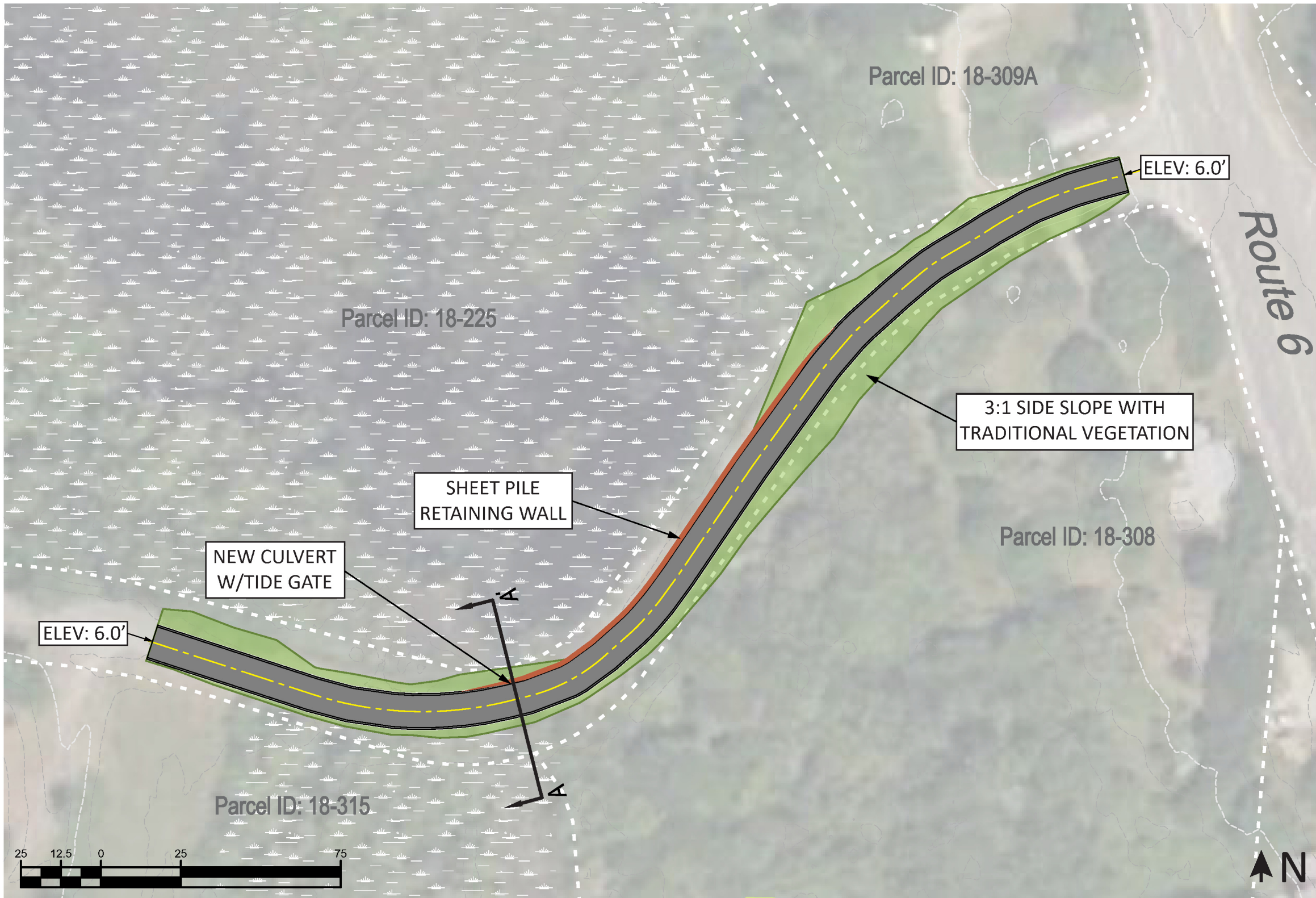


**EXISTING CONDITIONS**  
 Governor Prence Road, Eastham

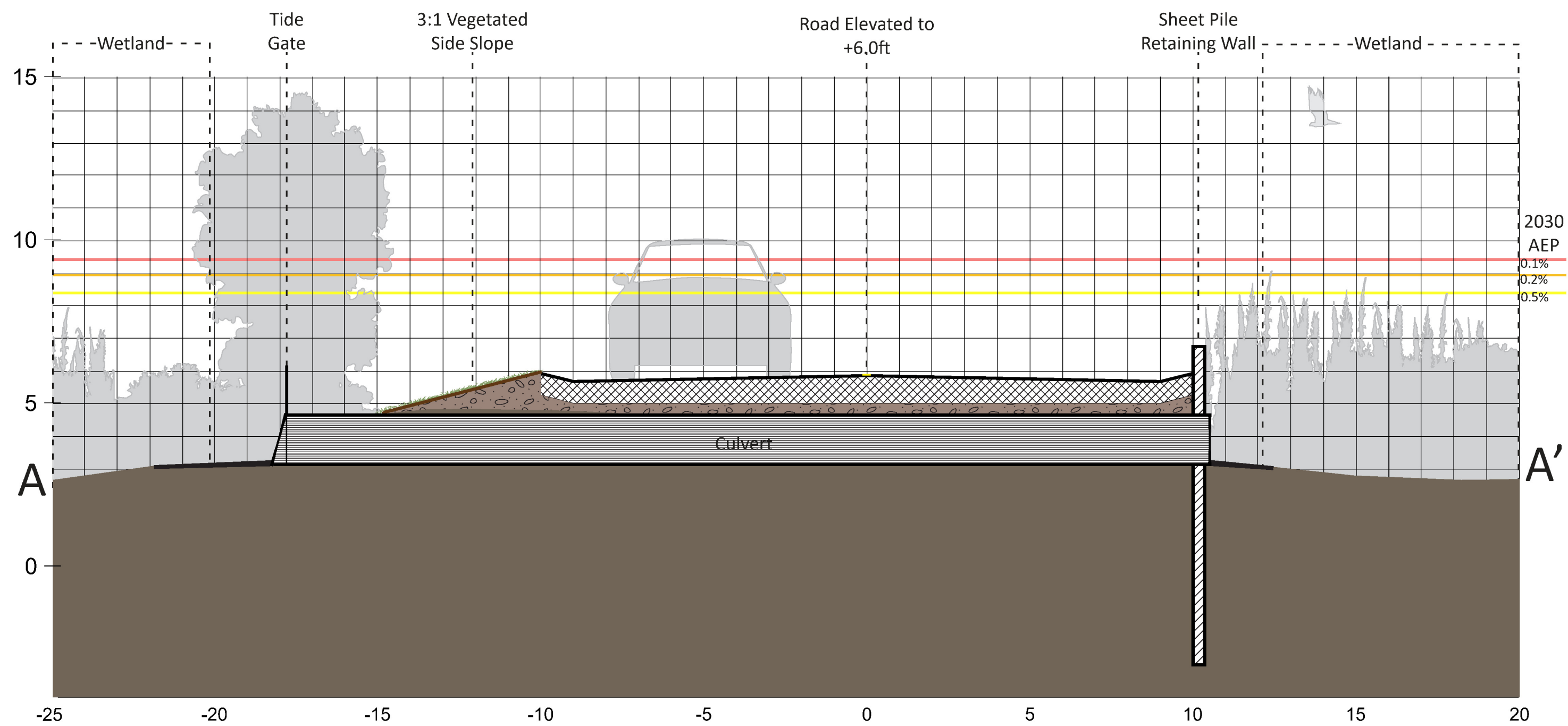


**Governor Prence Road  
EASTHAM**

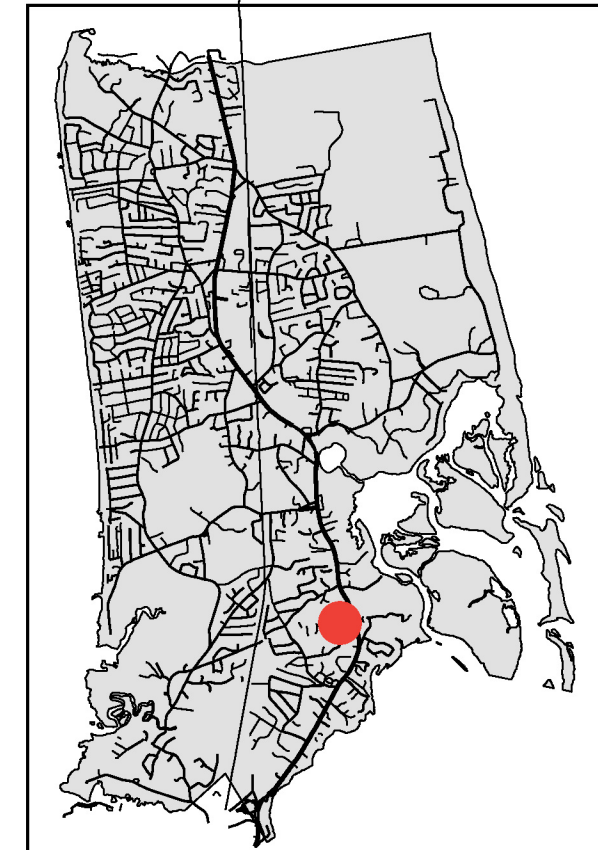
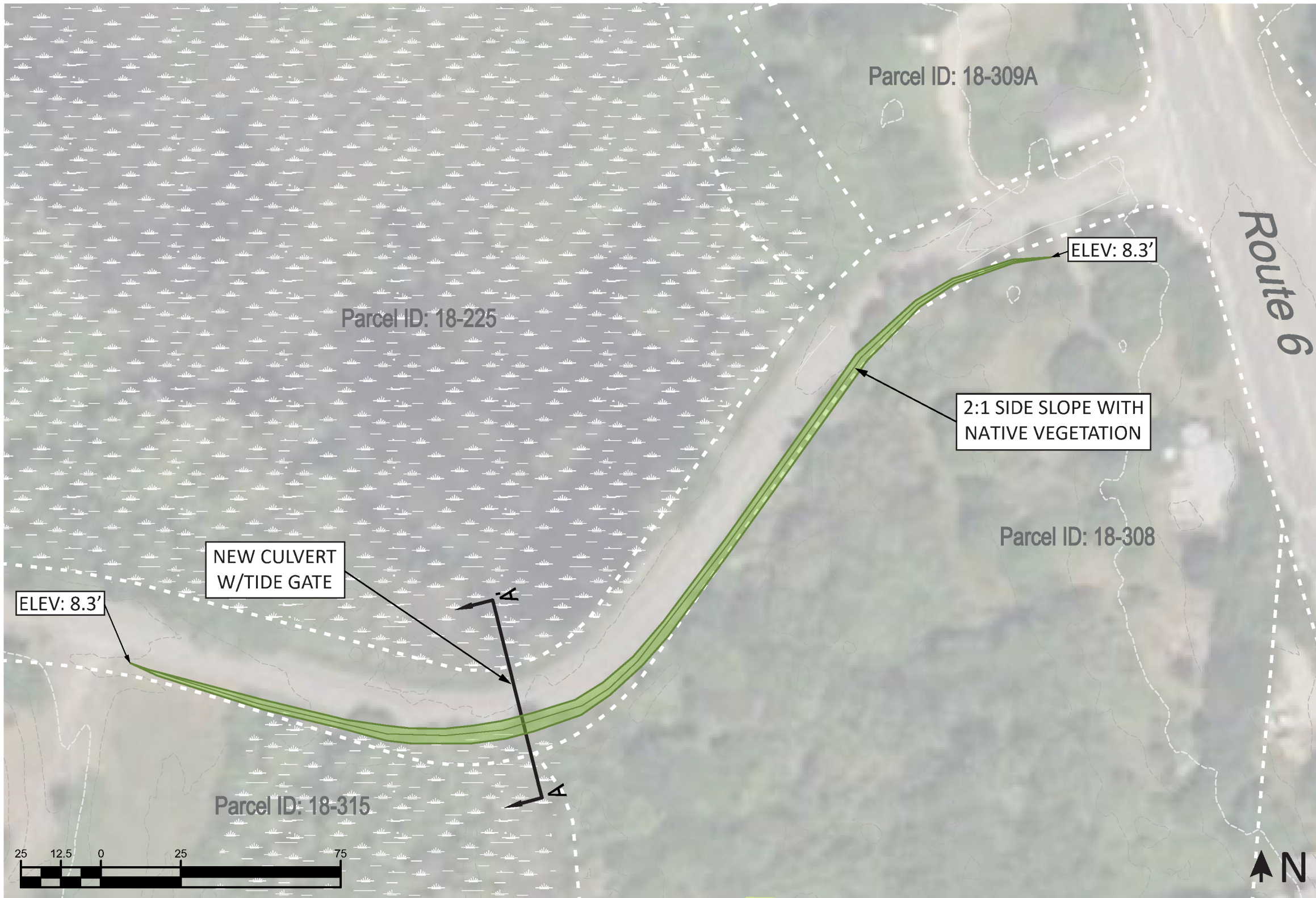
**ALTERNATIVE 1: GRAY**

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



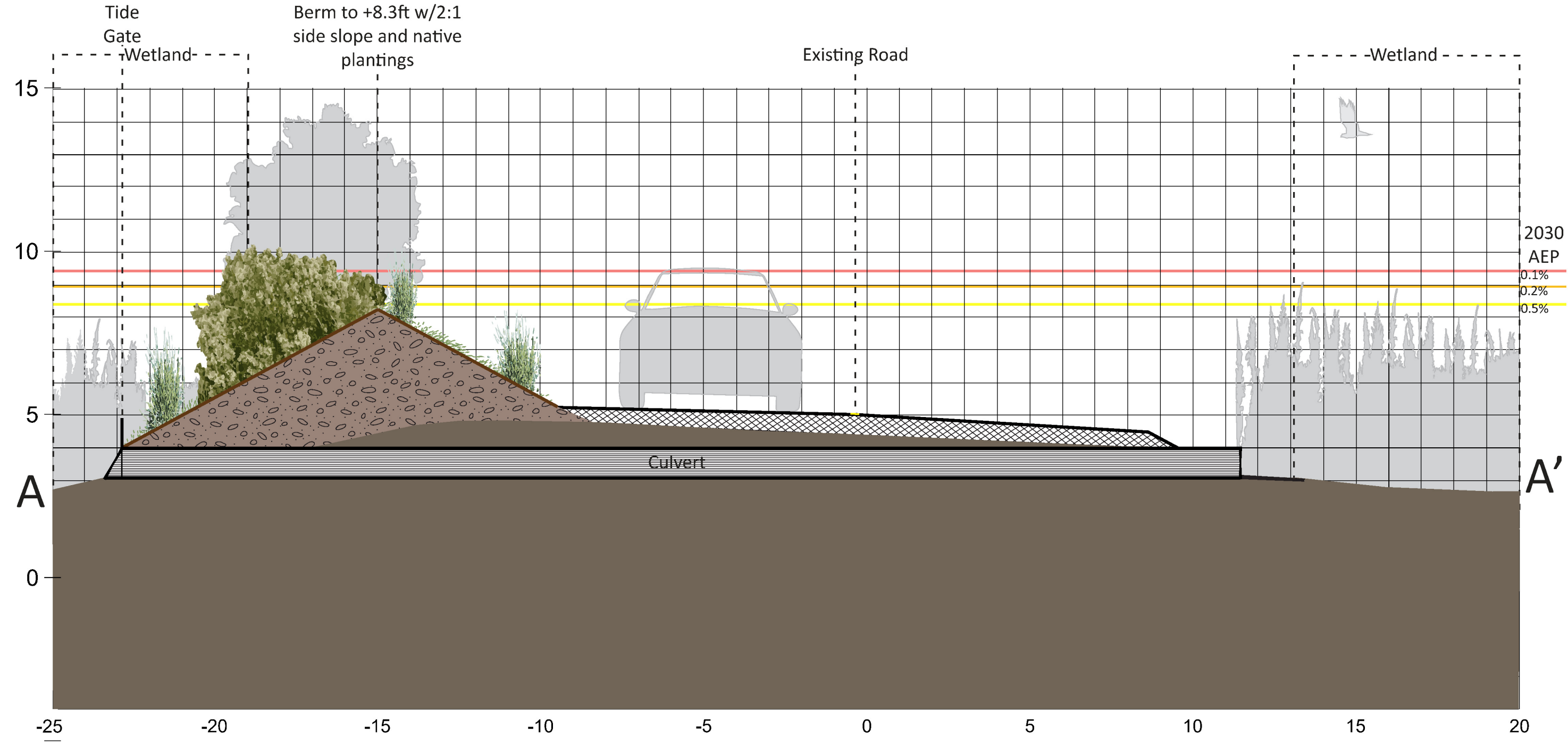
**ALTERNATIVE 1: GRAY**  
 Governor Prence Road, Eastham



## Governor Prence Road EASTHAM

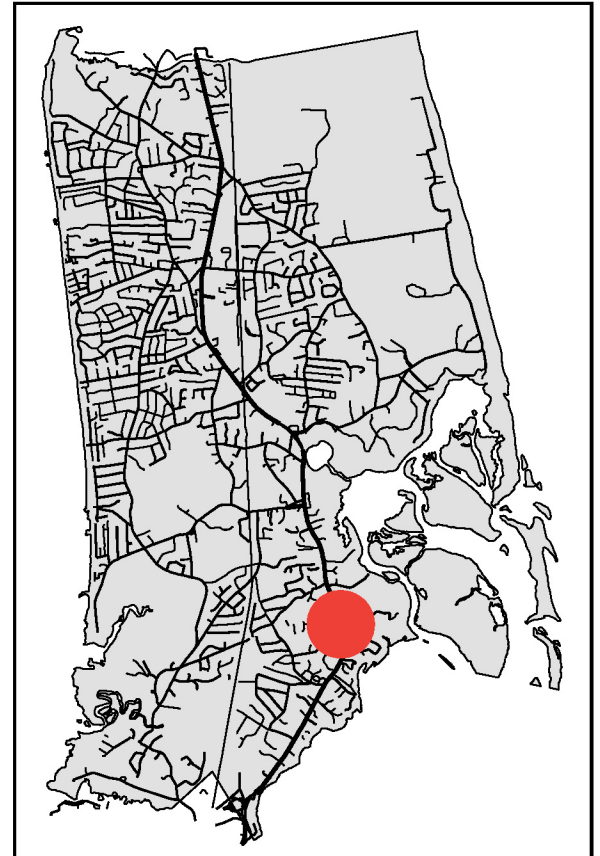
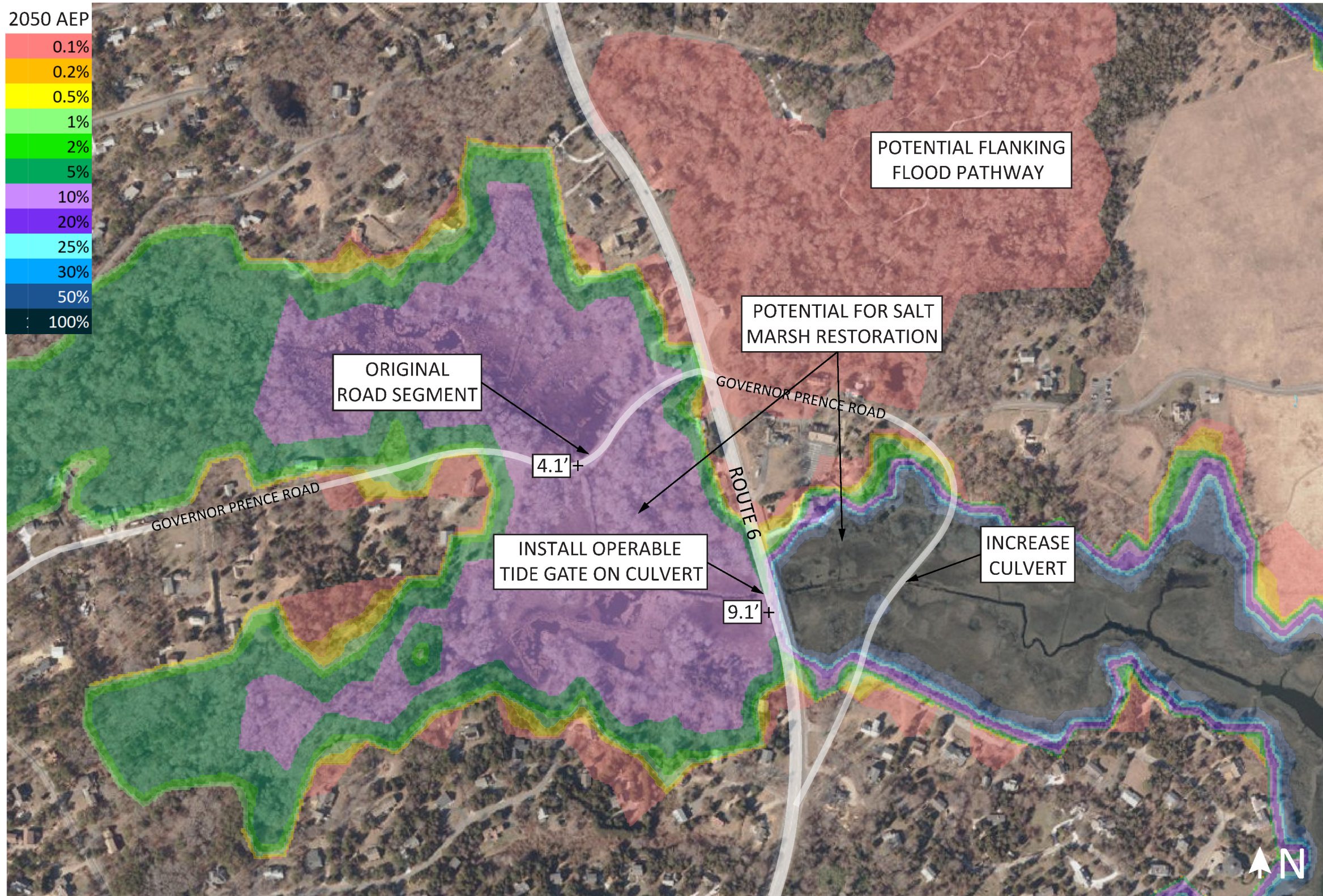
### ALTERNATIVE 2: HYBRID

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.



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

2050 AEP  
 0.1%  
 0.2%  
 0.5%  
 1%  
 2%  
 5%  
 10%  
 20%  
 25%  
 30%  
 50%  
 100%



## 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 Resource Area(s)	Impacts to Private Property	Estimated Cost*
			2030	2050	2070				
<b>EXISTING</b>	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
<b>ALTERNATIVE 1: GRAY</b>	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	\$869,000
<b>ALTERNATIVE 2: HYBRID</b>	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	\$320,000
<b>ALTERNATIVE 3: GREEN</b>	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	\$223,000

\*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.