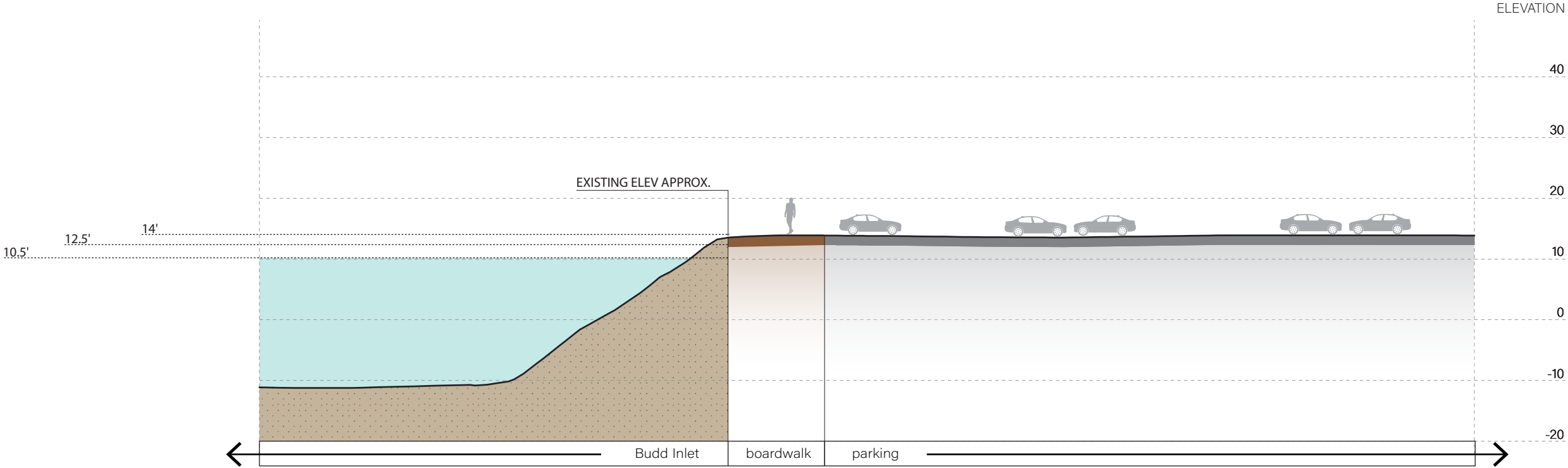




POTENTIAL STRATEGY PLAN

PERCIVAL LANDING - 24" SLR

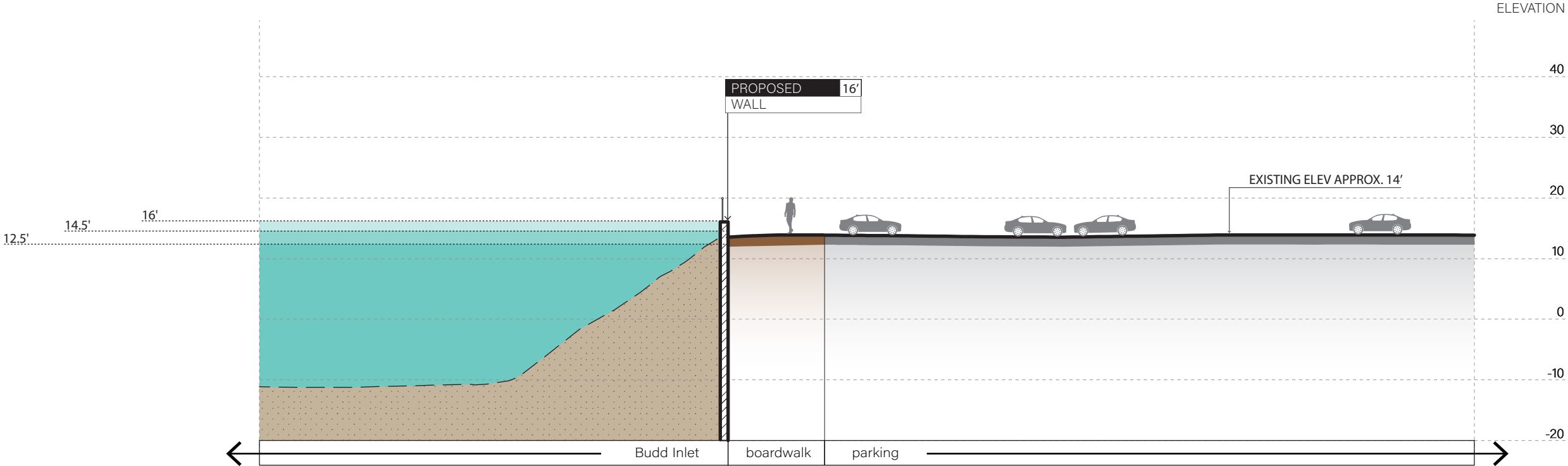
PERCIVAL LANDING
EXISTING CONDITIONS FOR STRATEGY #1 - 3



NOTES	
ELEVATION DATUM:	NAVD88
DAILY HIGH TIDE:	10.5'
KING TIDE:	12.5'
100 YEAR FLOOD:	14'

PERCIVAL LANDING
MID- TERM SOLUTION FOR 24" OF SLR
STRATEGY #1 - CONSTRUCT NEW WALL

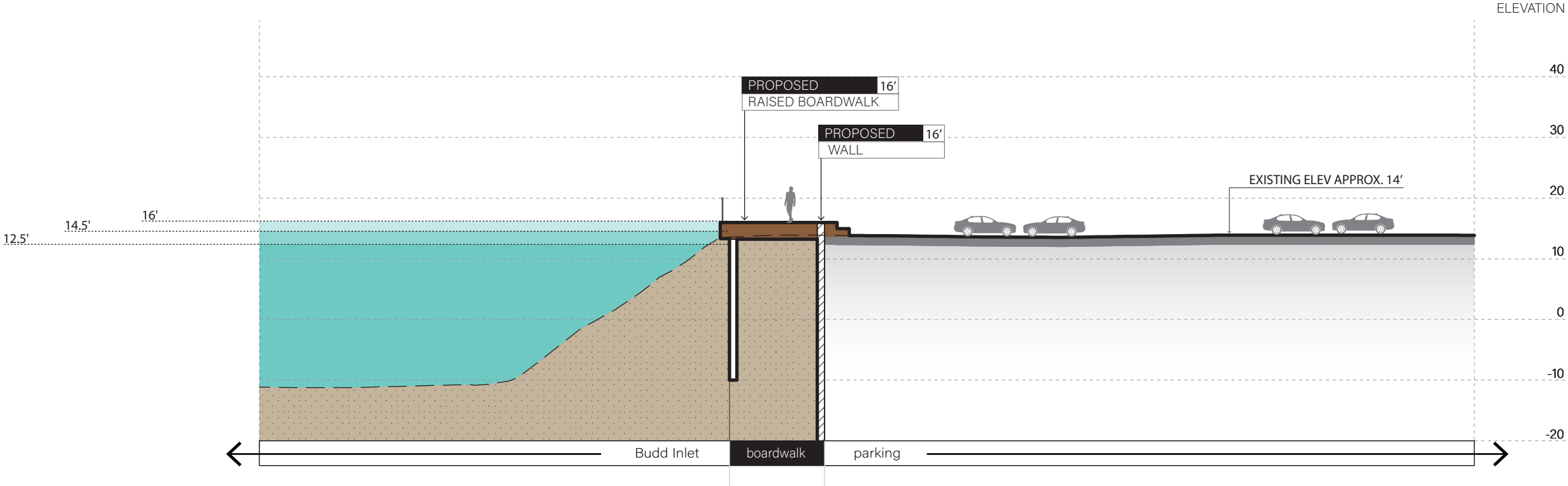
*This strategy would construct a new wall on the water side of the existing boardwalk to prevent flooding of inland areas.
The top of the wall would extend approximately two feet above the boardwalk and would include a safety railing.*



NOTES	
ELEVATION DATUM:	NAVD88
FUTURE DAILY HIGH TIDE:	12.5'
FUTURE KING TIDE:	14.5'
FUTURE 100 YEAR FLOOD:	16'

PERCIVAL LANDING
MID- TERM SOLUTION FOR 24" OF SLR
STRATEGY #2 -ELEVATE BOARDWALK

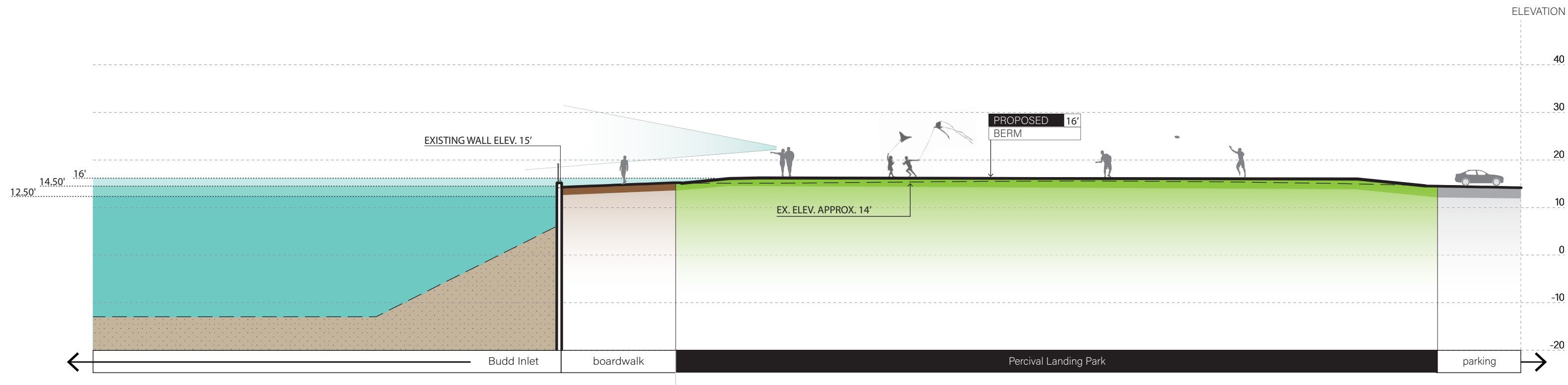
This strategy would construct a new wall on the landward side of the existing boardwalk to prevent flooding of inland areas. The existing boardwalk would also be raised above future flood elevations. Steps or a ramp would provide access to the boardwalk from adjacent street or parking areas.



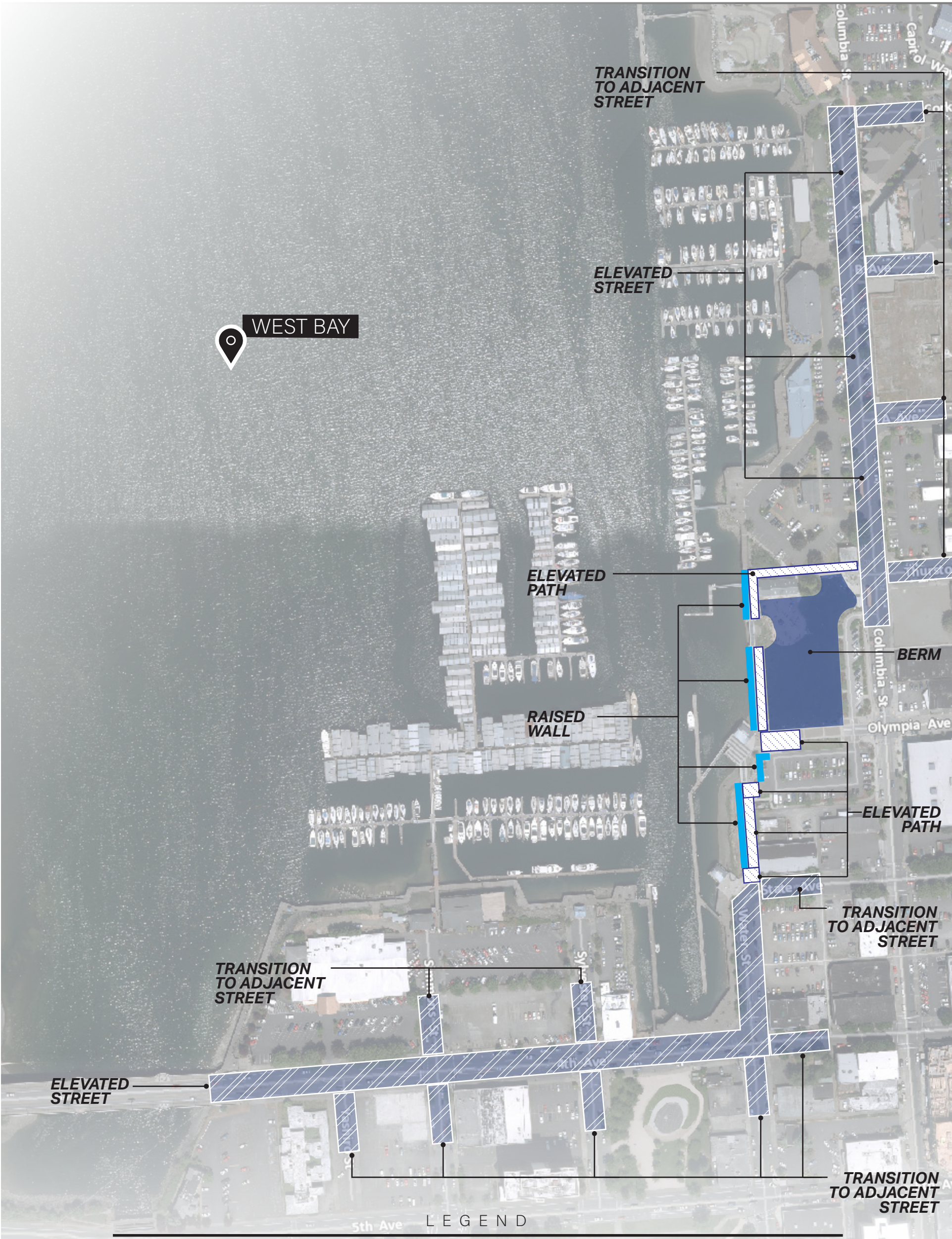
NOTES	
ELEVATION DATUM:	NAVD88
FUTURE DAILY HIGH TIDE:	12.5'
FUTURE KING TIDE:	14.5'
FUTURE 100 YEAR FLOOD:	16'

PERCIVAL LANDING
MID- TERM SOLUTION FOR 24" OF SLR
STRATEGY #4 - CONSTRUCT NEW BERM

This strategy would raise the existing ground elevation within Percival Landing Park by constructing an elevated berm. During extreme coastal storm events, flood waters in Budd Inlet may overtop the existing shoreline; however, the raised berm would prevent flooding of inland areas.



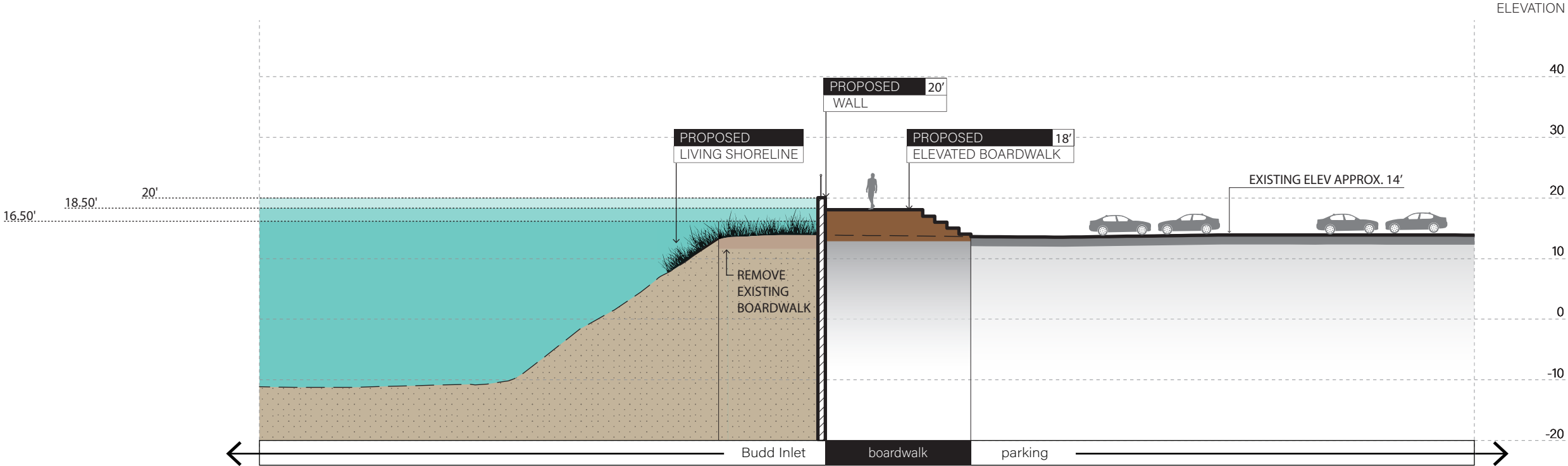
NOTES	
ELEVATION DATUM:	NAVD88
FUTURE DAILY HIGH TIDE:	12.5'
FUTURE KING TIDE:	14.5'
FUTURE 100 YEAR FLOOD:	16'



POTENTIAL STRATEGY PLAN
PERCIVAL LANDING - 68" SLR

PERCIVAL LANDING
LONG- TERM STRATEGY FOR 68" OF SLR
STRATEGY #3 - ELEVATE AND RELOCATE BOARDWALK

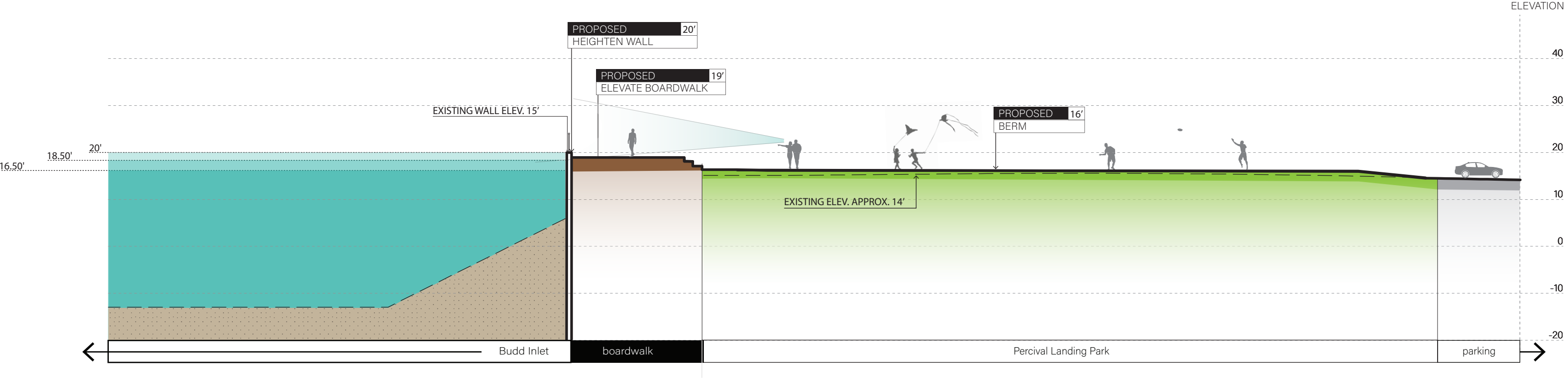
This strategy would construct a new wall (or extend the existing wall) on the landward side of the boardwalk to prevent flooding of inland areas. A new boardwalk would be constructed on the landward side of the wall and the old boardwalk would be removed to restore a natural shoreline. Steps or a ramp would provide access to the boardwalk from adjacent street or parking areas.



NOTES	
ELEVATION DATUM:	NAVD88
FUTURE DAILY HIGH TIDE:	16.5'
FUTURE KING TIDE:	18.5'
FUTURE 100 YEAR FLOOD:	20'

PERCIVAL LANDING
LONG- TERM SOLUTION FOR 68" OF SLR
STRATEGY #5A - RAISE BOARDWALK AND HEIGHTEN WALL

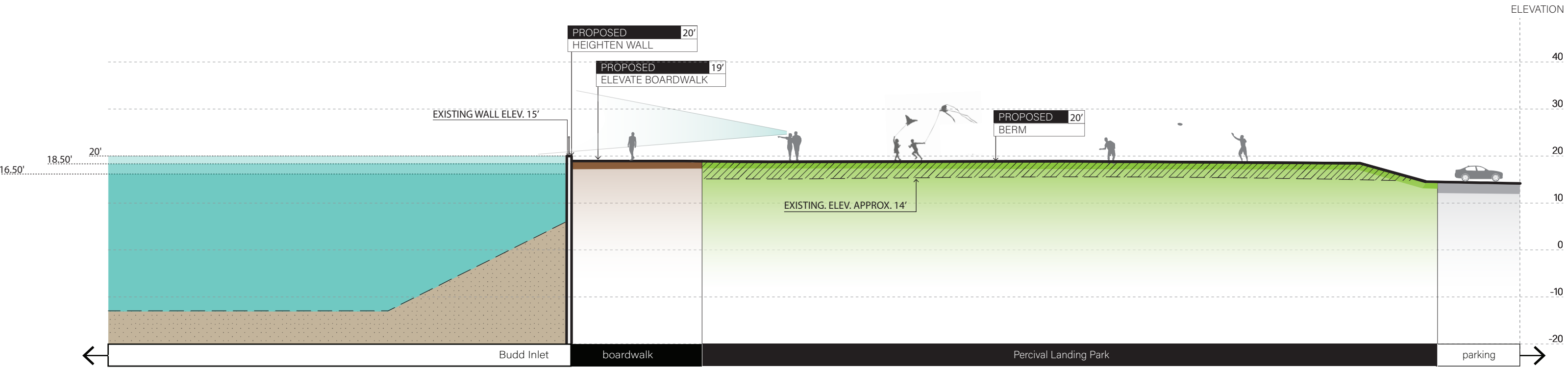
This strategy would raise the existing wall and boardwalk along the waterfront to prevent flooding of inland areas. Access to the boardwalk from Percival Landing Park would be provided by steps or a ramp.



NOTES	
ELEVATION DATUM:	NAVD88
FUTURE DAILY HIGH TIDE:	16.5'
FUTURE KING TIDE:	18.5'
FUTURE 100 YEAR FLOOD:	20'

PERCIVAL LANDING
LONG- TERM SOLUTION FOR 68" OF SLR
STRATEGY #5B - RAISE BOARDWALK AND HEIGHTEN WALL

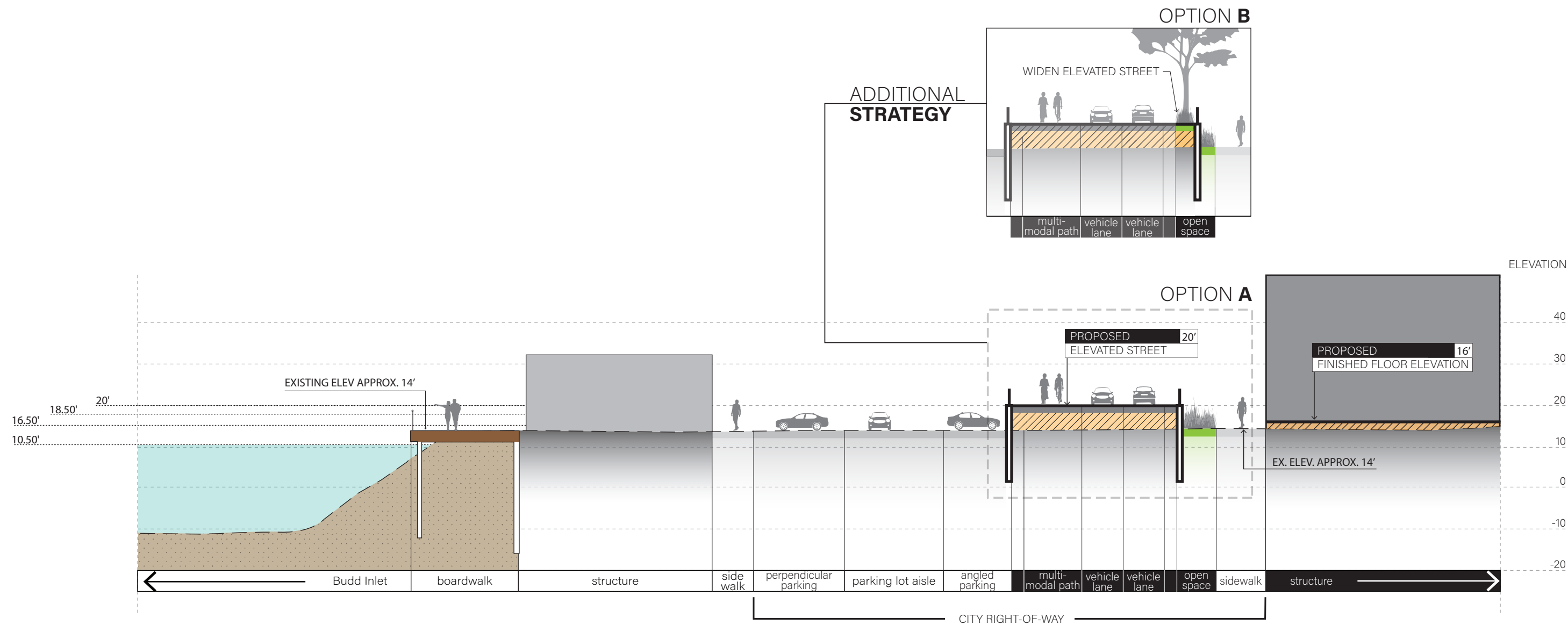
This strategy would raise the existing wall and boardwalk along the waterfront to prevent flooding of inland areas. Percival Landing Park would also be raised to harmonize adjacent ground elevations between the boardwalk and the park.



NOTES	
ELEVATION DATUM:	NAVD88
FUTURE DAILY HIGH TIDE:	16.5'
FUTURE KING TIDE:	18.5'
FUTURE 100 YEAR FLOOD:	20'

PERCIVAL LANDING
LONG- TERM STRATEGY FOR 68" OF SLR
STRATEGY #6 - RAISE STREET

This strategy would raise Columbia Street approximately five feet above its current elevation to prevent flooding of inland areas. The raised street would include two lanes of traffic and a multi-modal lane (for bus and/or bike). ADA accessible ramps and stairs would provide access for pedestrians at intersections. Open space areas along the elevated street and lower sidewalk would meet street tree requirements and integrate bioretention for water quality treatment. A similar elevated street strategy could be implemented along 4th Avenue to provide an integrated system of flood protection along the West Bay shoreline.



NOTES	
ELEVATION DATUM:	NAVD88
DAILY HIGH TIDE:	10.5'
FUTURE DAILY HIGH TIDE:	16.5'
FUTURE KING TIDE:	18.5'
FUTURE 100 YEAR FLOOD:	20'

Dated 08-29-2018

