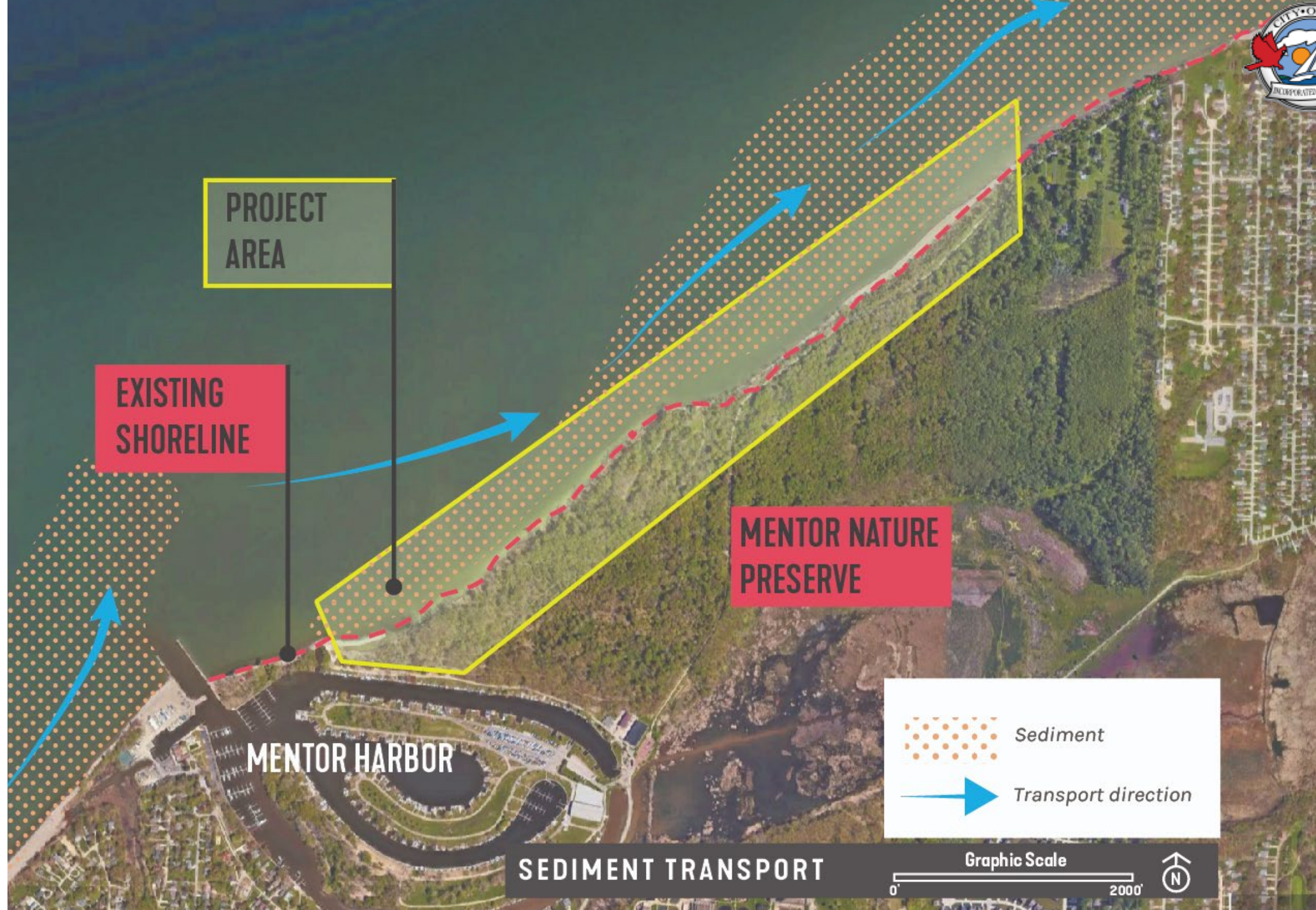




**CITY OF
MENTOR**

MENTOR LAGOONS NATURE PRESERVE MASTER PLAN SUMMARY

OCTOBER 15, 2024



EXISTING CONDITIONS



CITY OF
MENTOR



PROJECT GOALS



CITY OF
MENTOR

Restore bring back; reinstate; return to a former condition; repair

Preserve maintain (something) in its original or existing state

Protect to cover or shield from exposure, injury, damage or destruction

Enhance intensify, increase or further improve the quality, value, or extent of



**CITY OF
MENTOR**

COASTAL ASSESSMENT

SHORELINE VULNERABILITY

8 FT WEST | 4 FT EAST LOST PER YEAR



CITY OF
MENTOR



FUTURE EROSION OUTLOOK

(20 YEAR OUTLOOK)



CITY OF
MENTOR

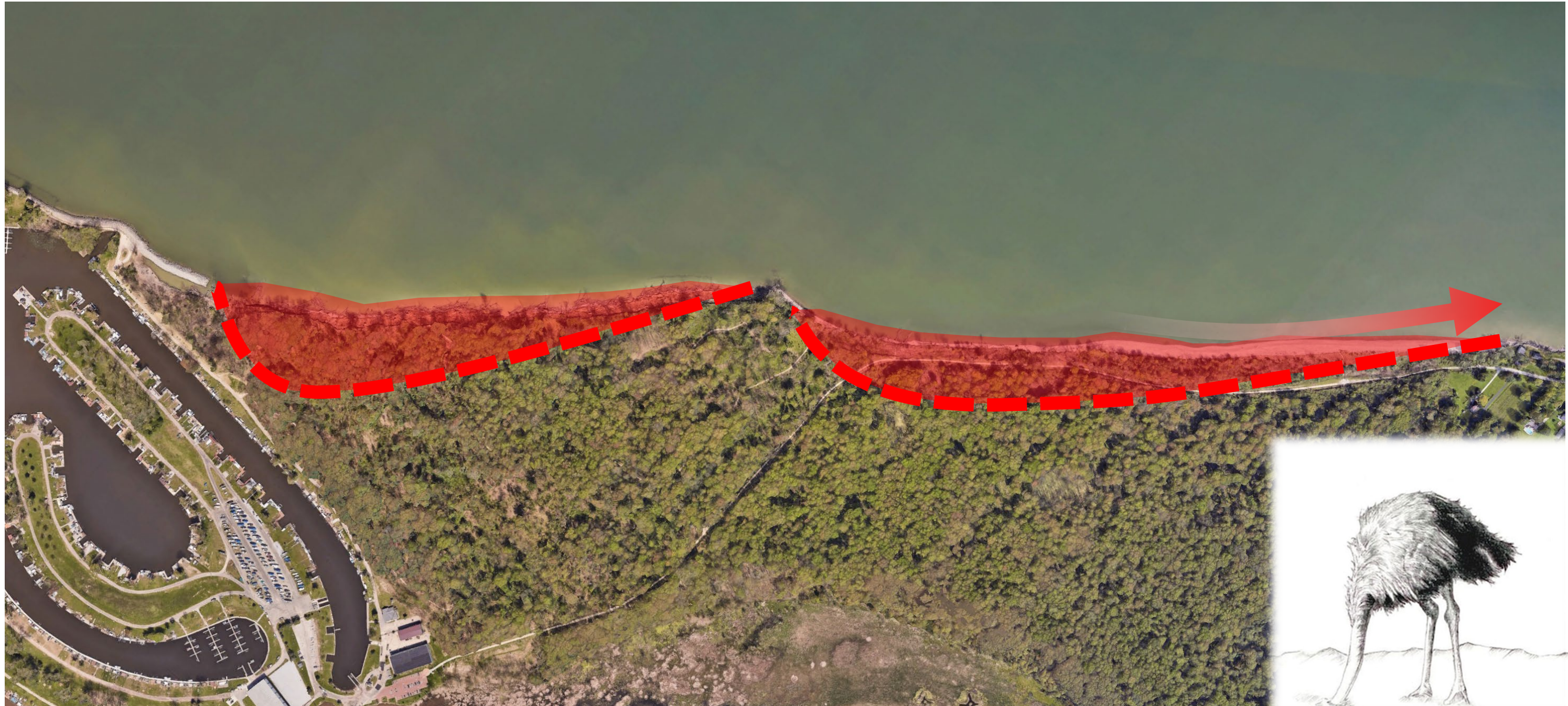
If we do nothing.....



FUTURE EROSION OUTLOOK



CITY OF
MENTOR



ONLINE SURVEY SUMMARY

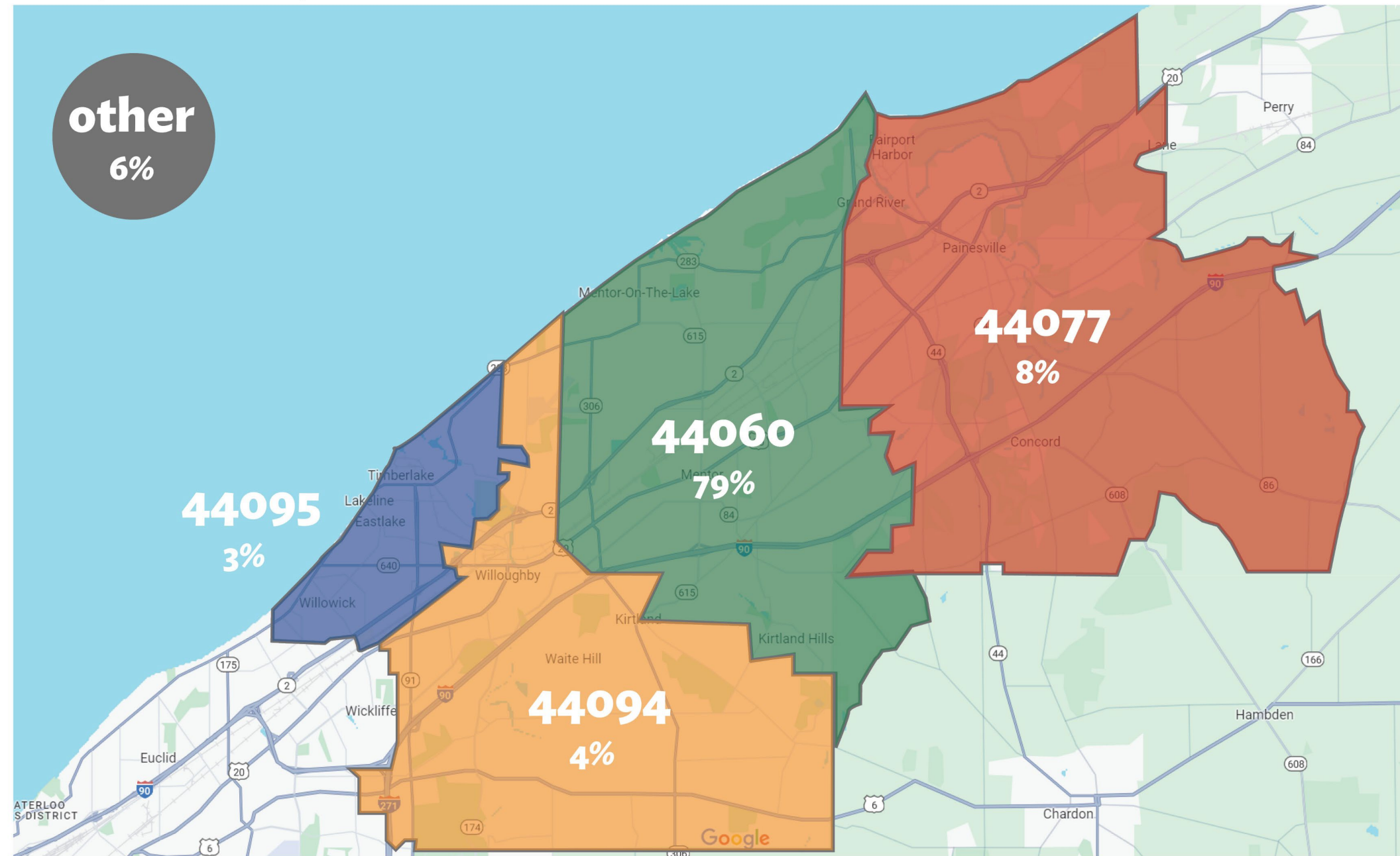


CITY OF
MENTOR

What is your home zip code?

1,600+
completed
survey
responses!

1,200+
were
Mentor
Residents

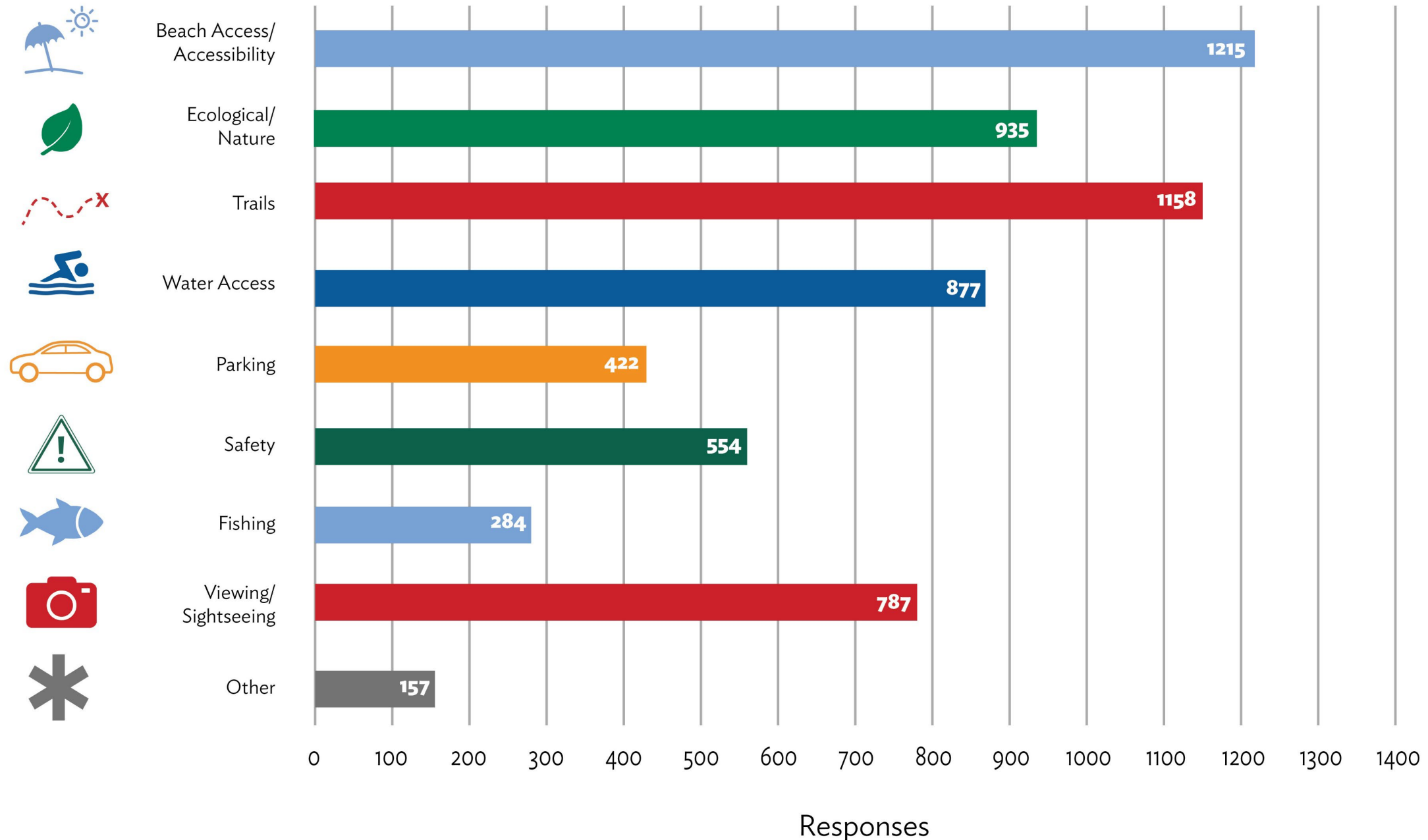


ONLINE SURVEY SUMMARY



CITY OF
MENTOR

Where should improvements be focused? (choose as many as you like)



ONLINE SURVEY SUMMARY



Access

(accessibility)



Nature

(preserve, erosion, natural)



Beach



Recreate

(SUP, surf, birding, kayaking)



Trails



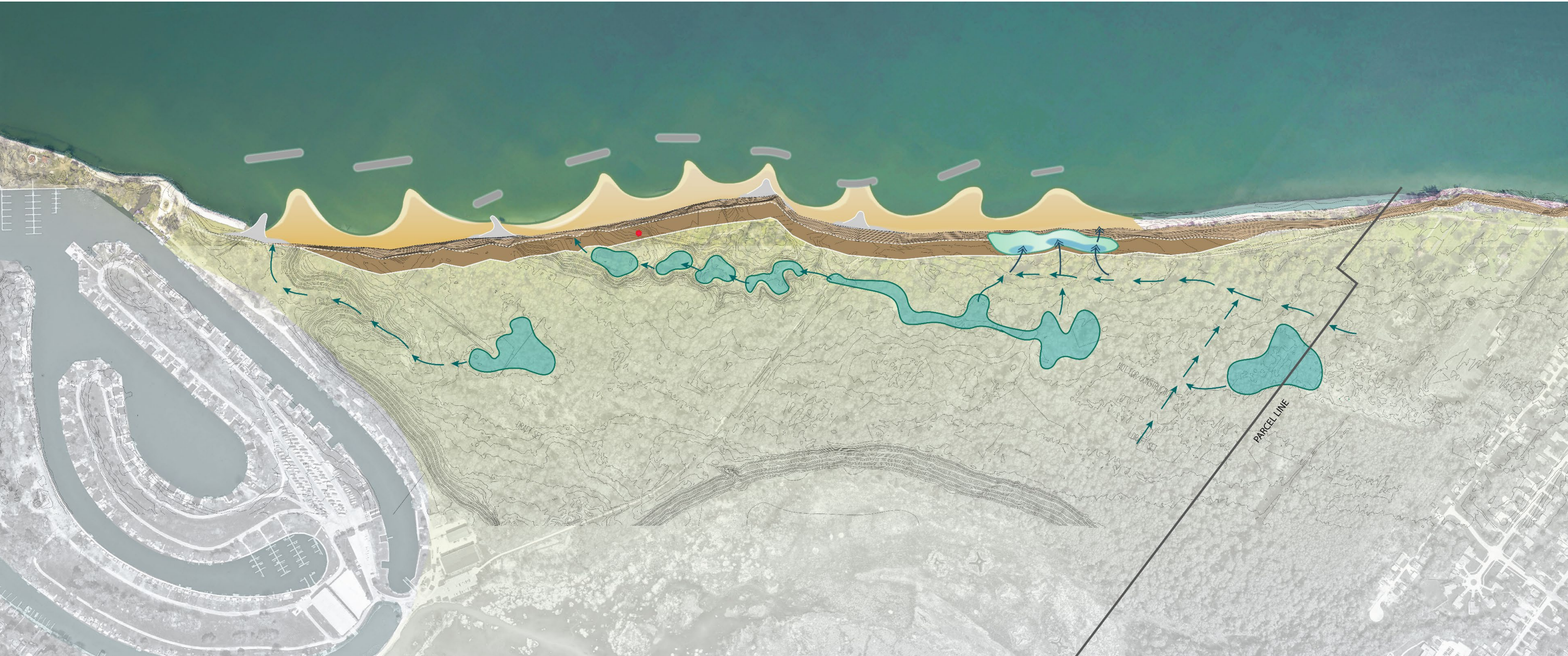
**CITY OF
MENTOR**

SHORELINE RESTORATION STRATEGY

PROPOSED SHORELINE STRATEGY



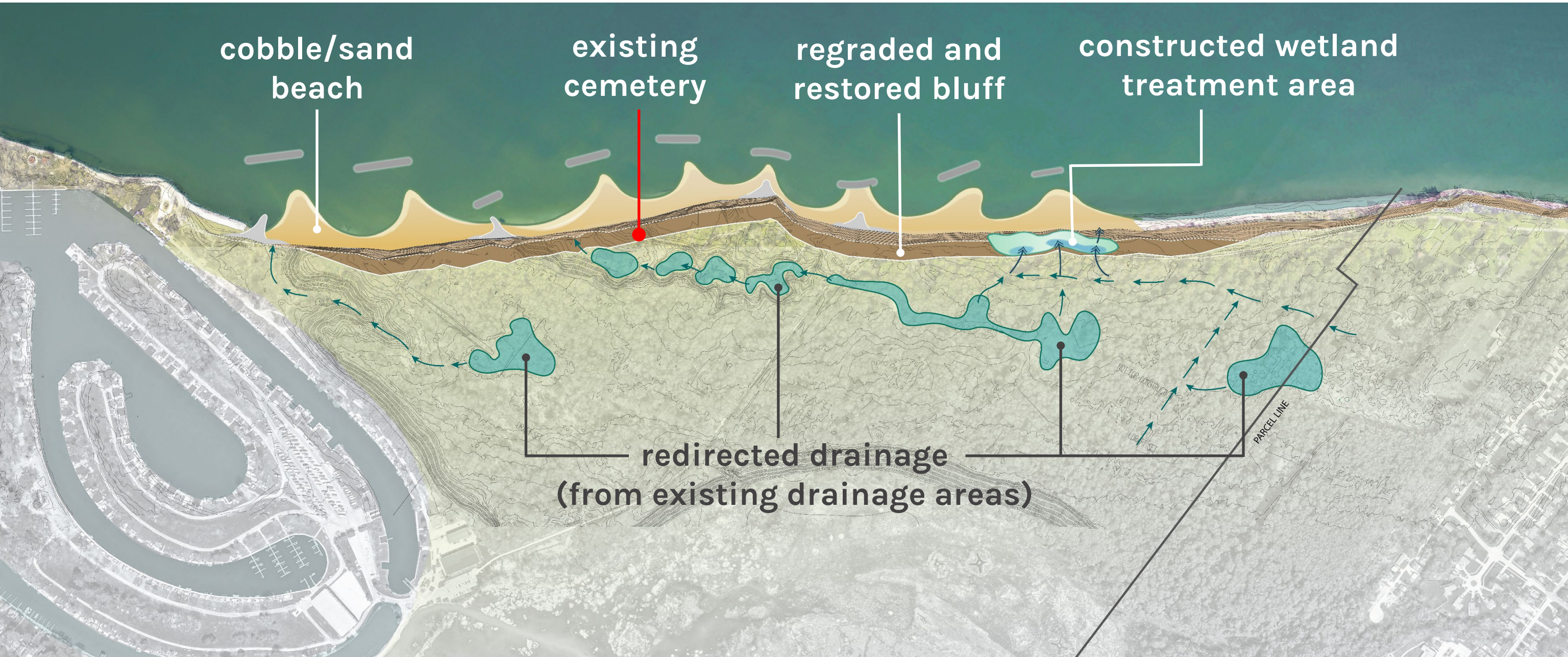
CITY OF
MENTOR



PROPOSED SHORELINE STRATEGY



CITY OF
MENTOR





**CITY OF
MENTOR**

PUBLIC MEETING #1

March 12, 2024

“LIGHT TOUCH” OVERALL SITE CONCEPT



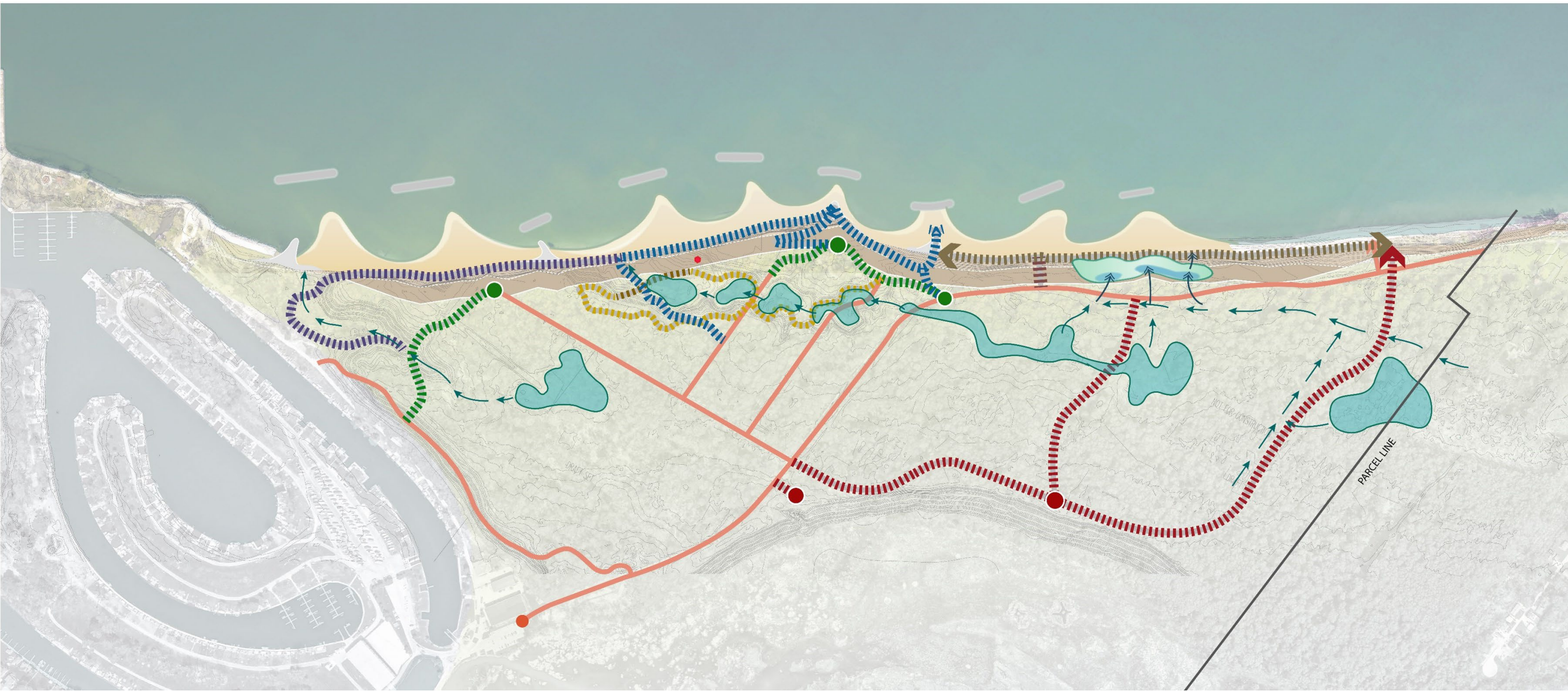
CITY OF
MENTOR



ENHANCED ACCESS OVERALL SITE CONCEPT



CITY OF
MENTOR

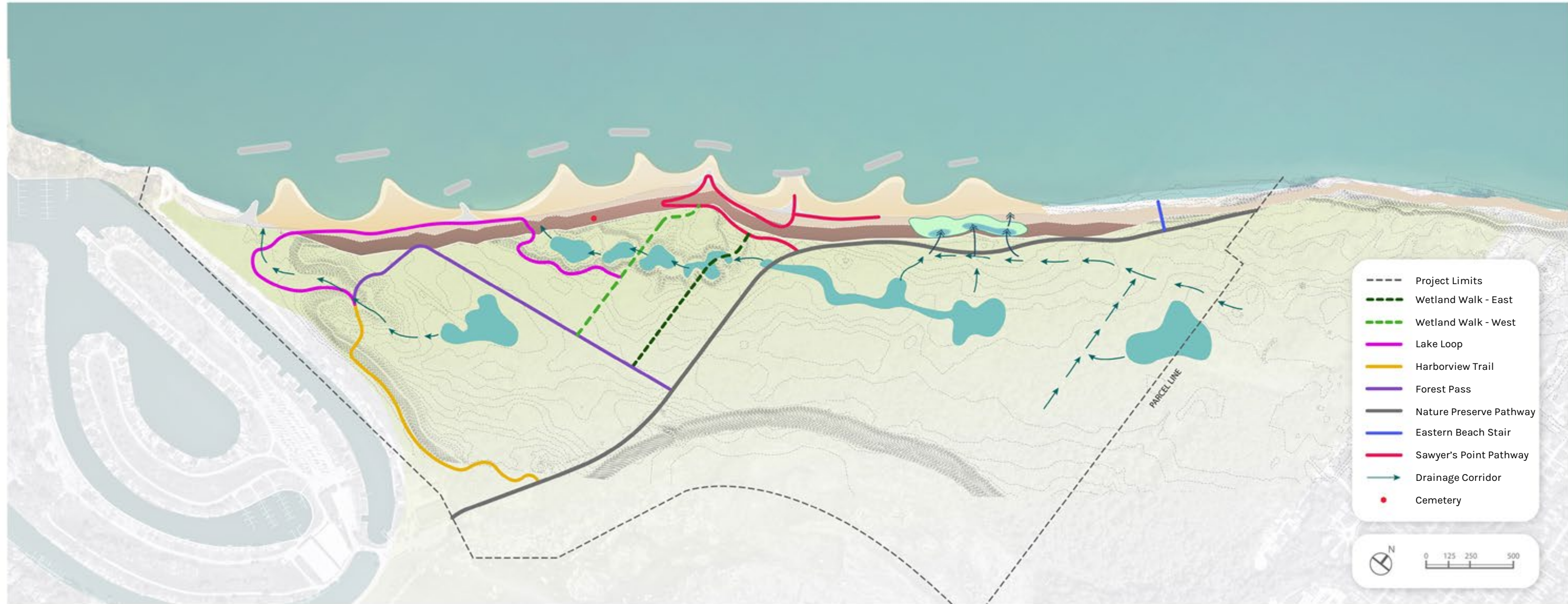




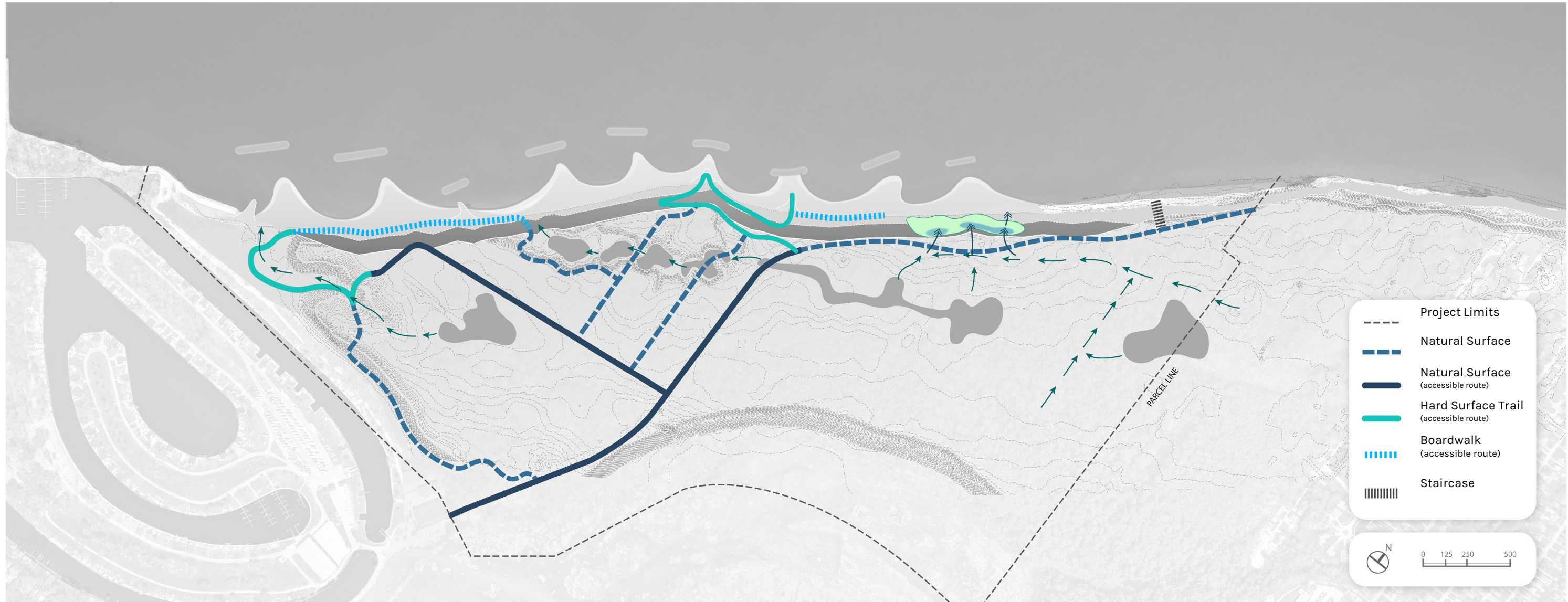
**CITY OF
MENTOR**

PROPOSED UPLAND IMPROVEMENTS

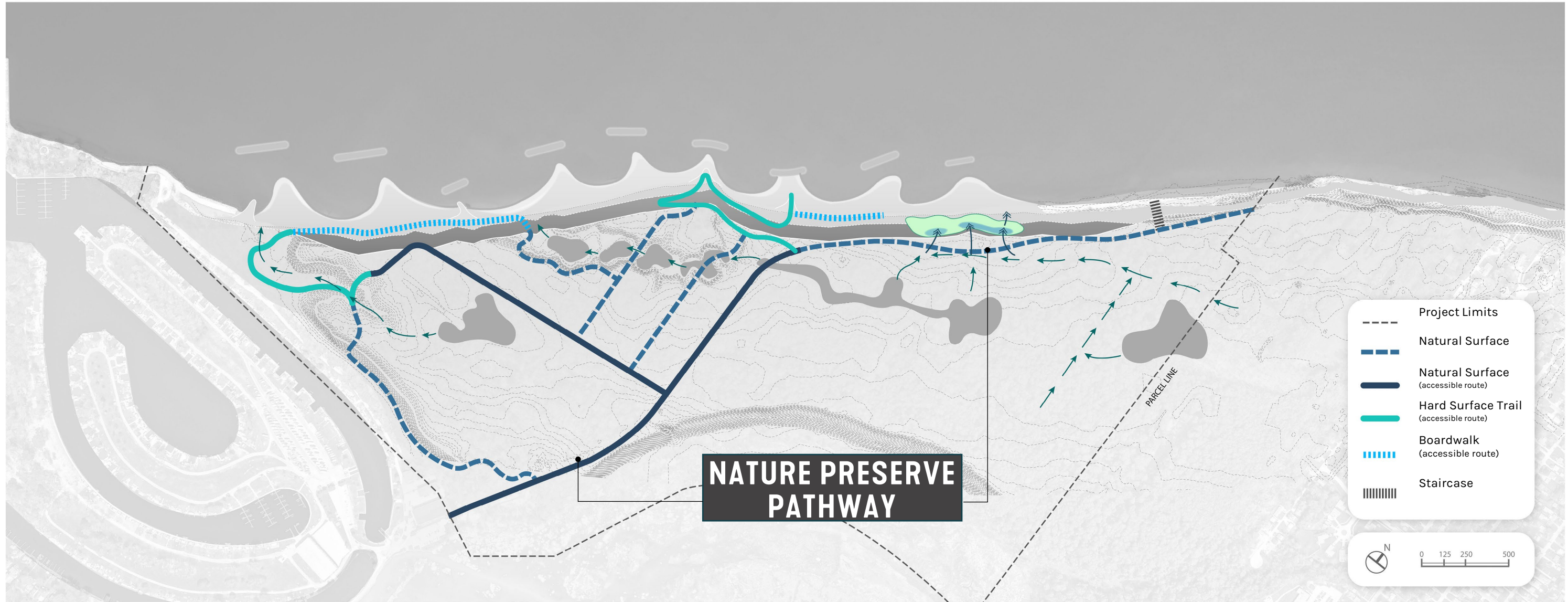
PROPOSED OVERALL TRAIL NETWORK



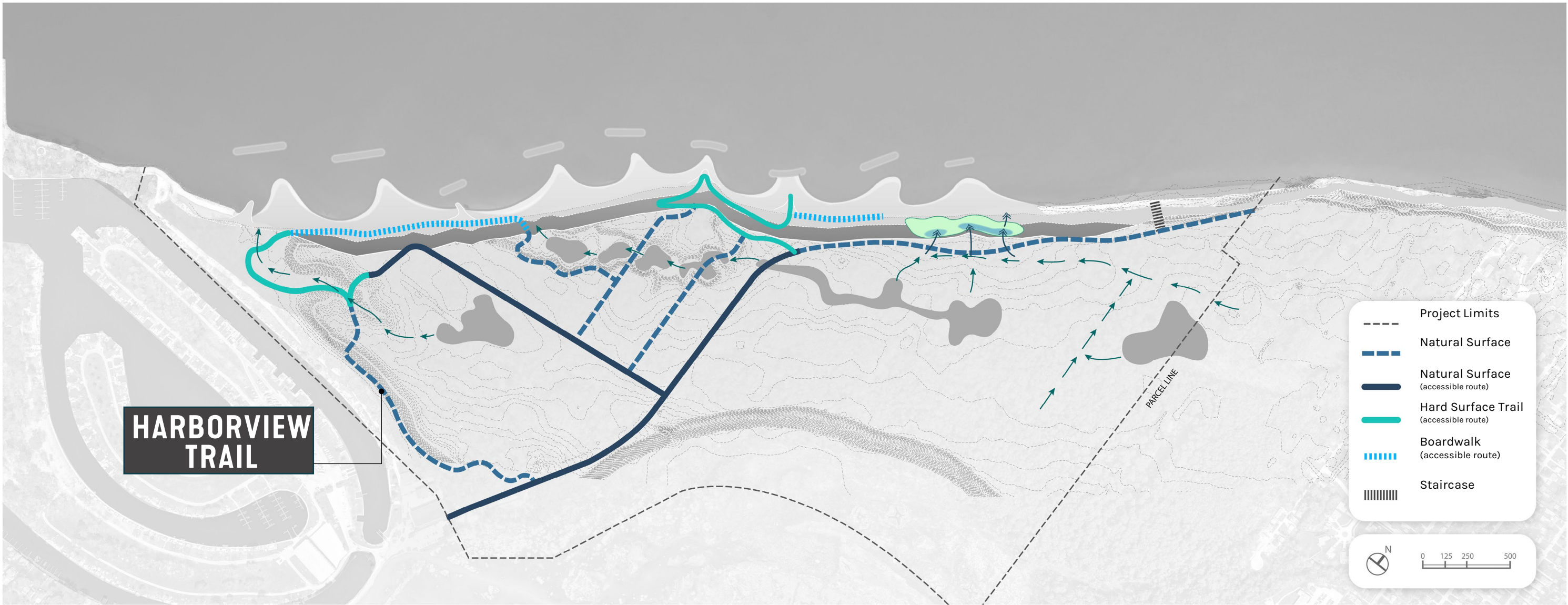
PROPOSED TRAIL NETWORK TYPOLOGIES



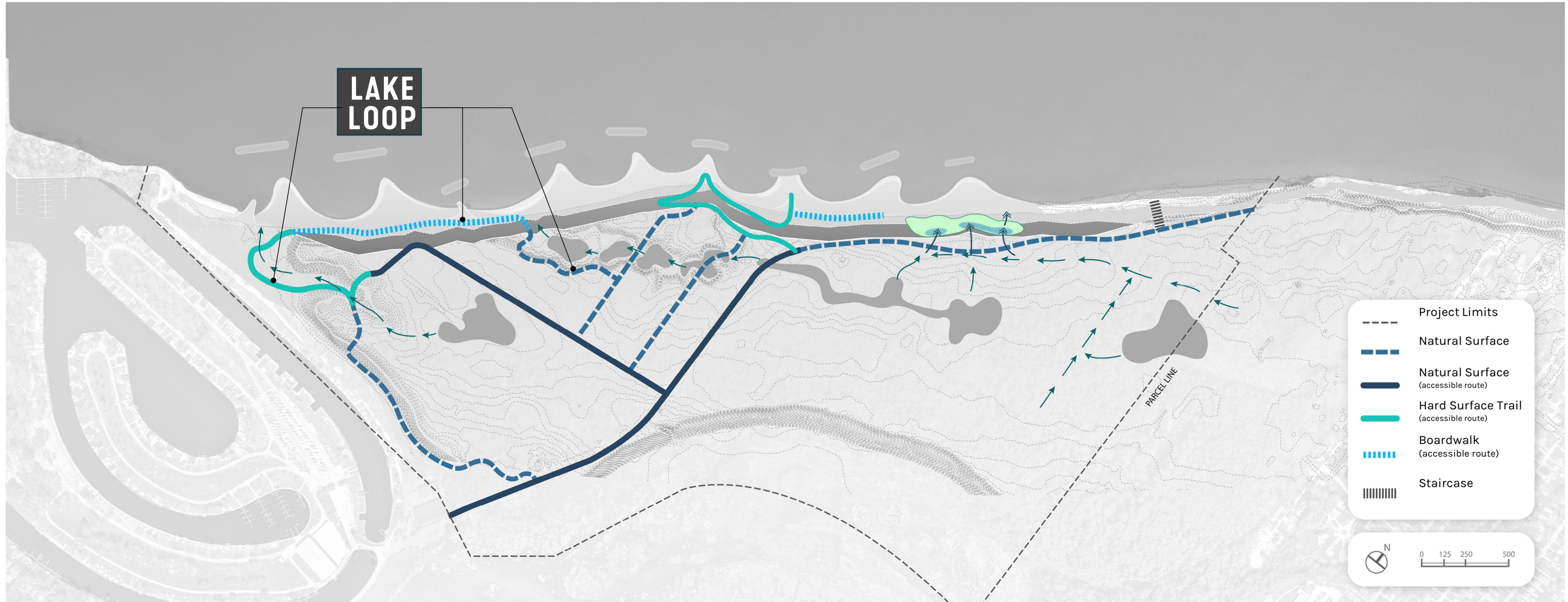
PROPOSED TRAIL NETWORK TYPOLOGIES



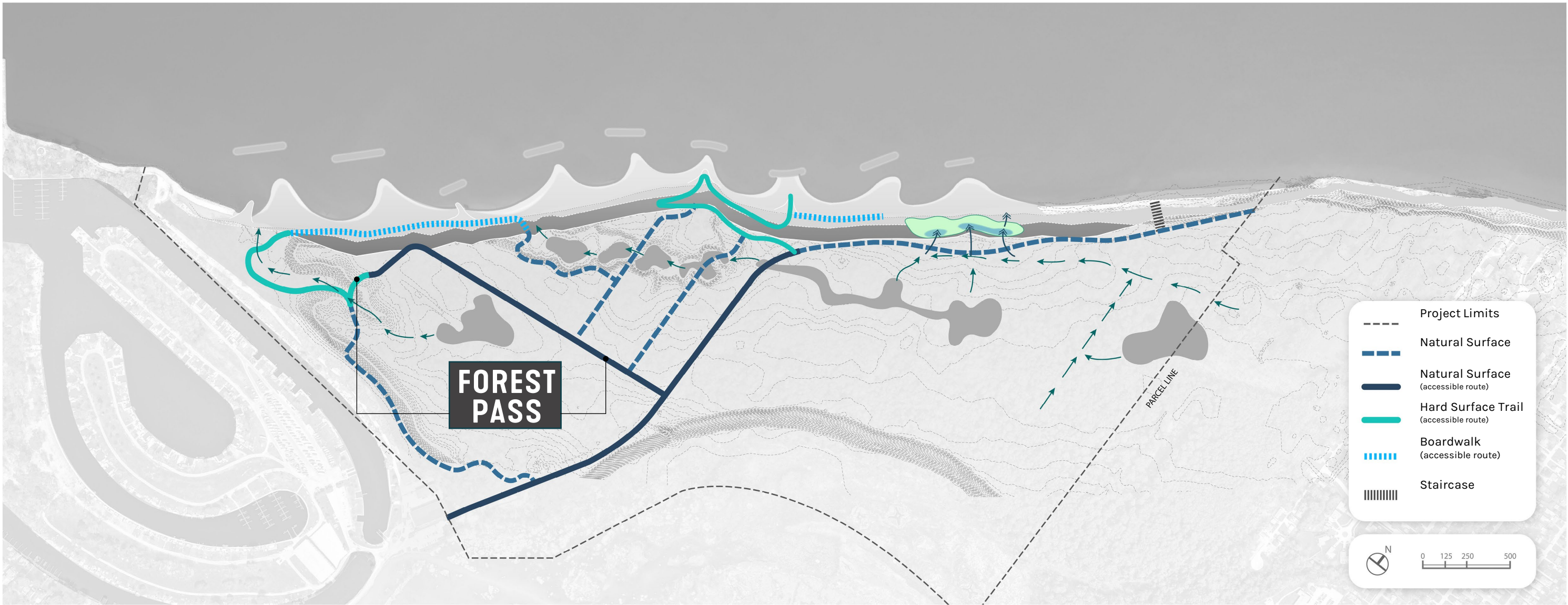
PROPOSED TRAIL NETWORK TYPOLOGIES



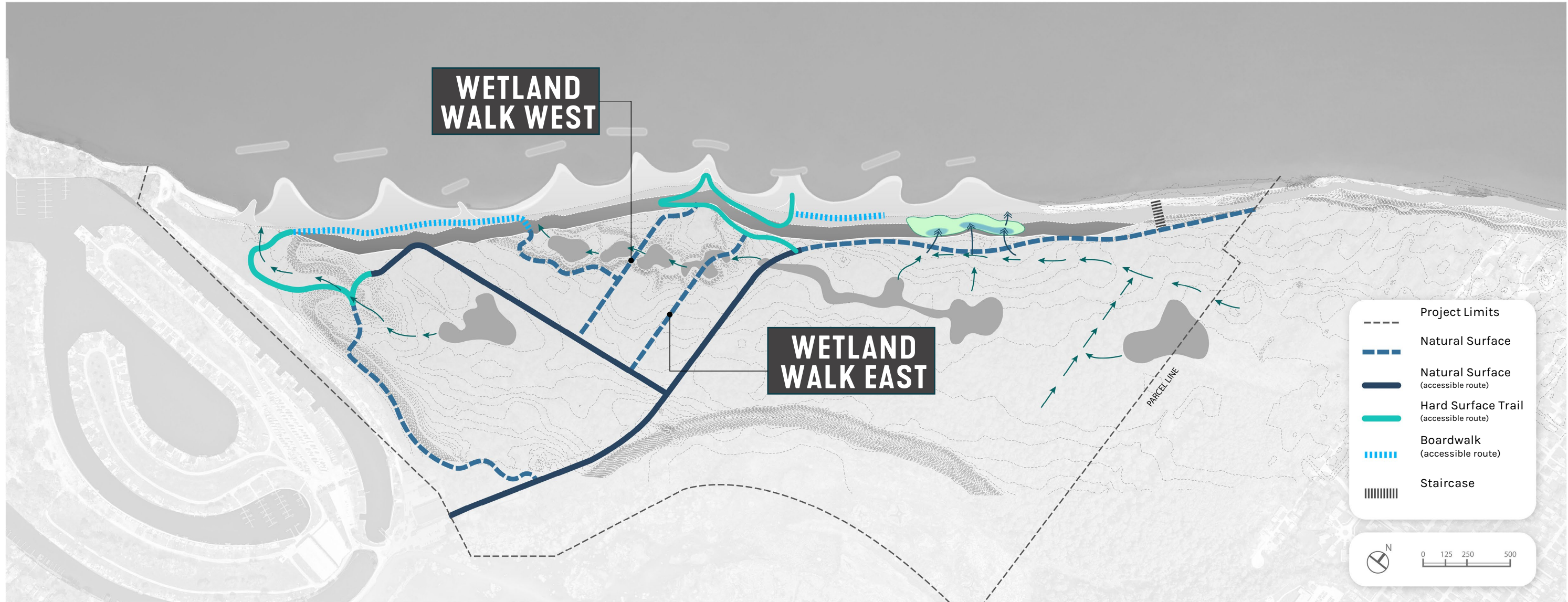
PROPOSED TRAIL NETWORK TYPOLOGIES



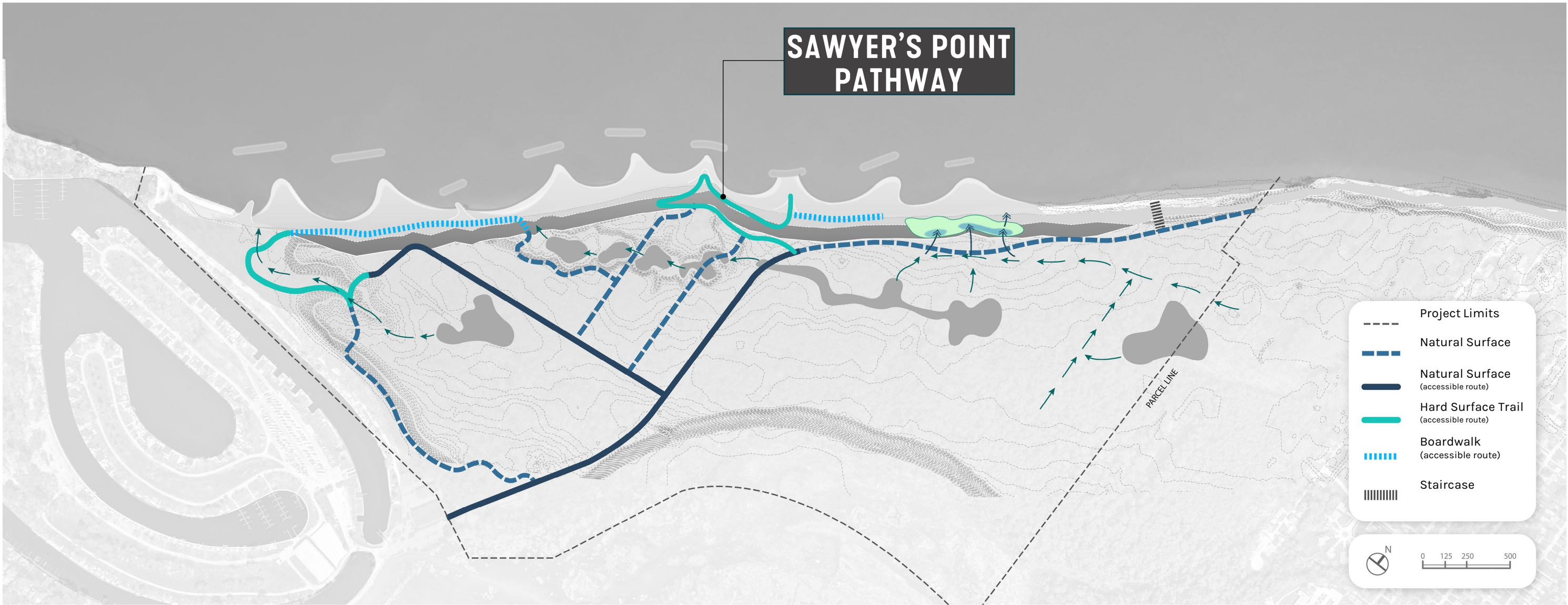
PROPOSED TRAIL NETWORK TYPOLOGIES



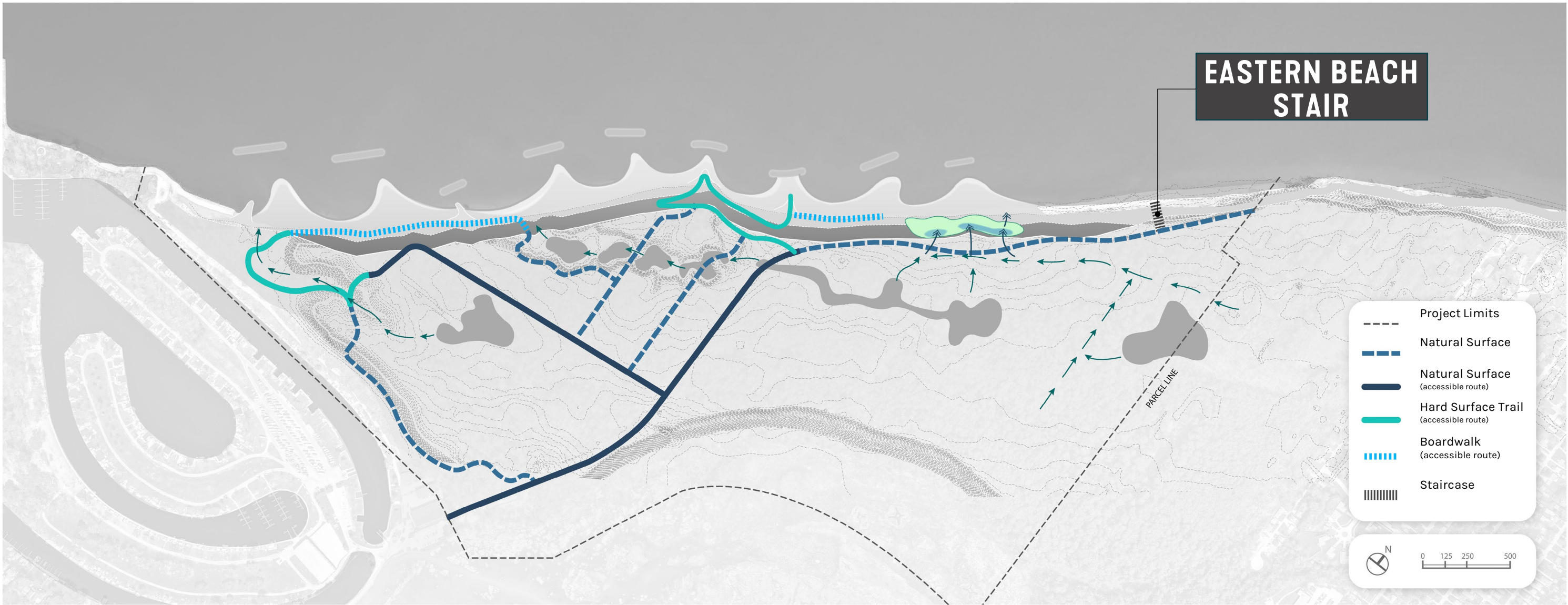
PROPOSED TRAIL NETWORK TYPOLOGIES



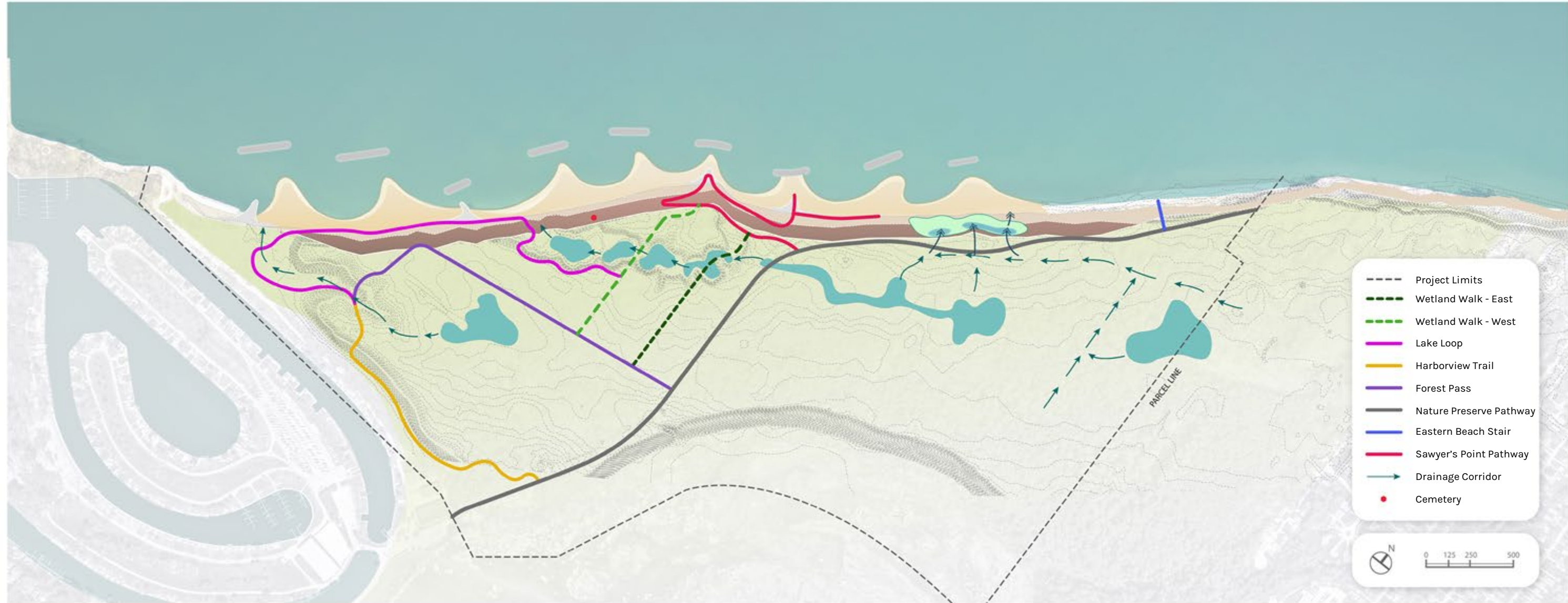
PROPOSED TRAIL NETWORK TYPOLOGIES



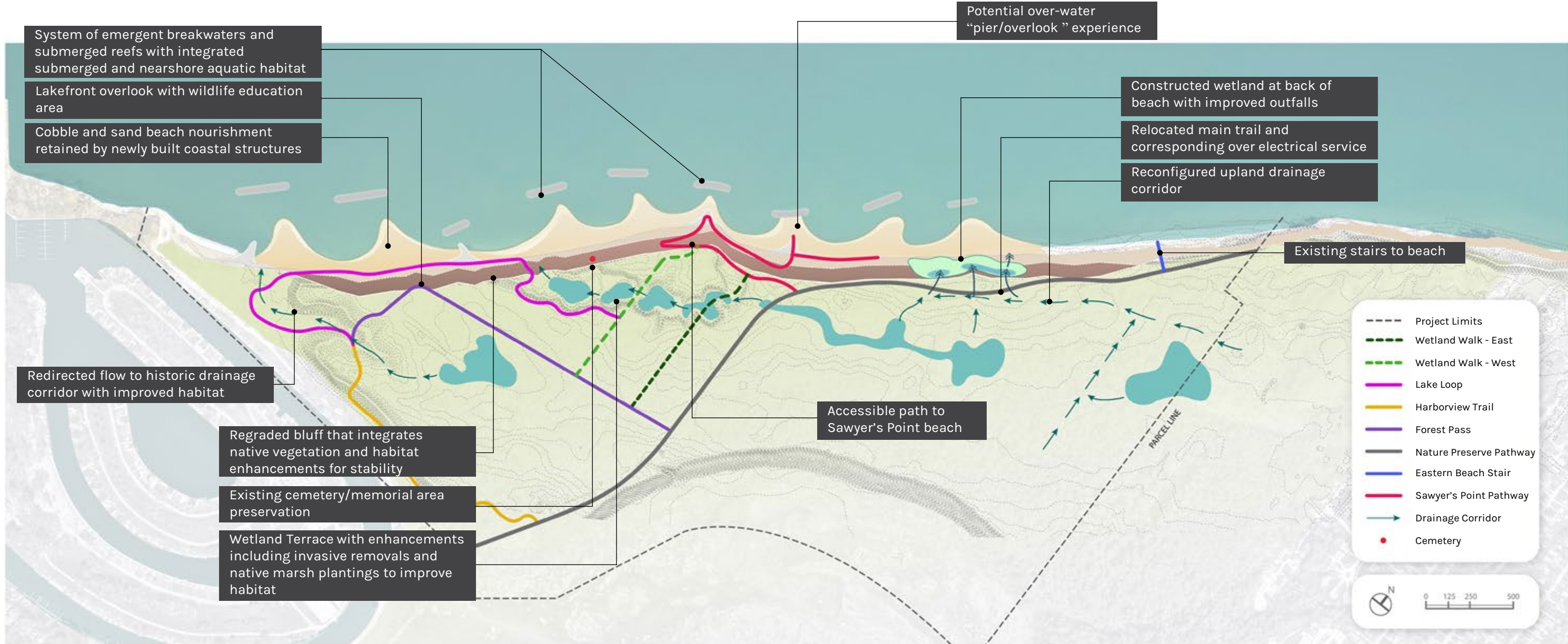
PROPOSED TRAIL NETWORK TYPOLOGIES



PROPOSED OVERALL TRAIL NETWORK

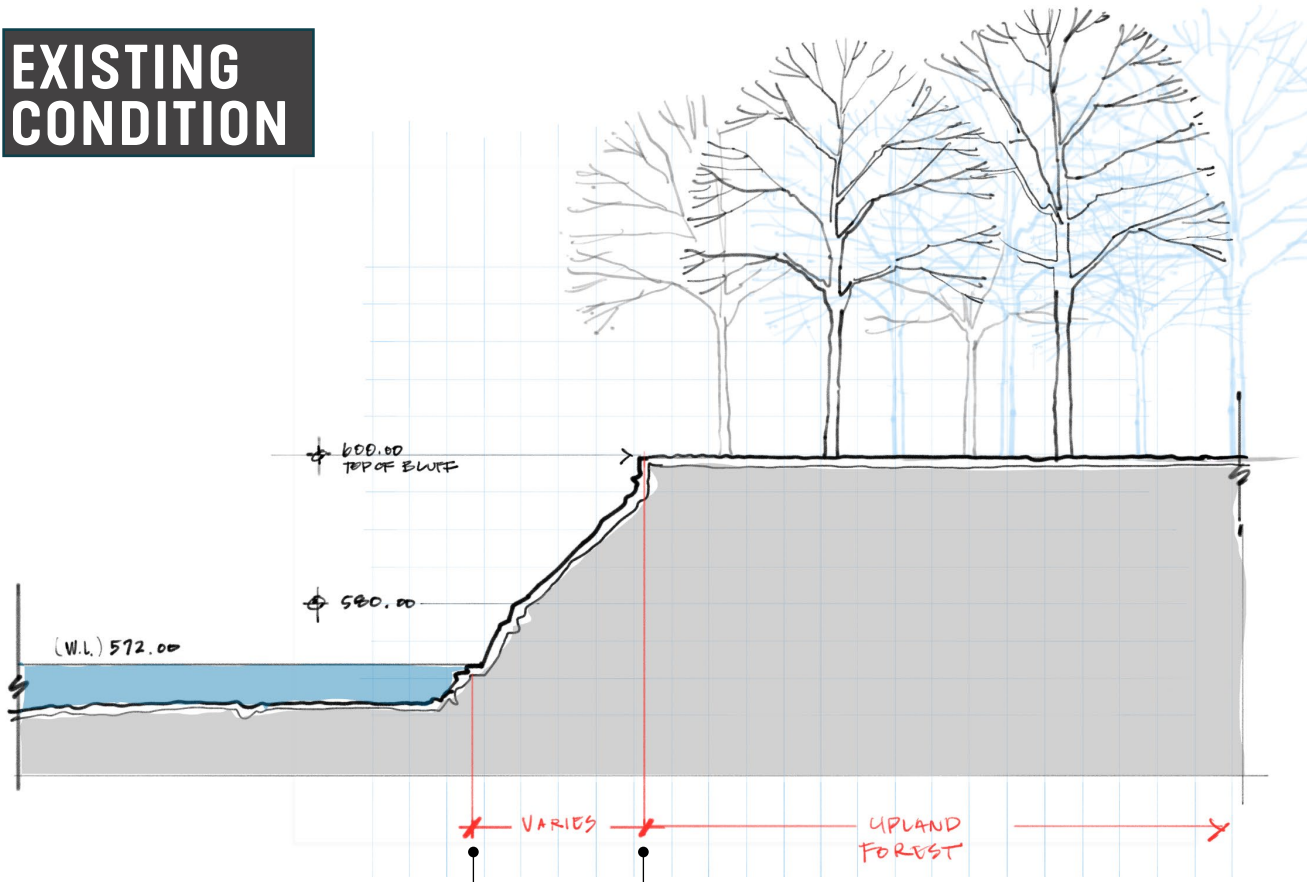


PROPOSED SHORELINE IMPROVEMENTS & TRAIL NETWORK

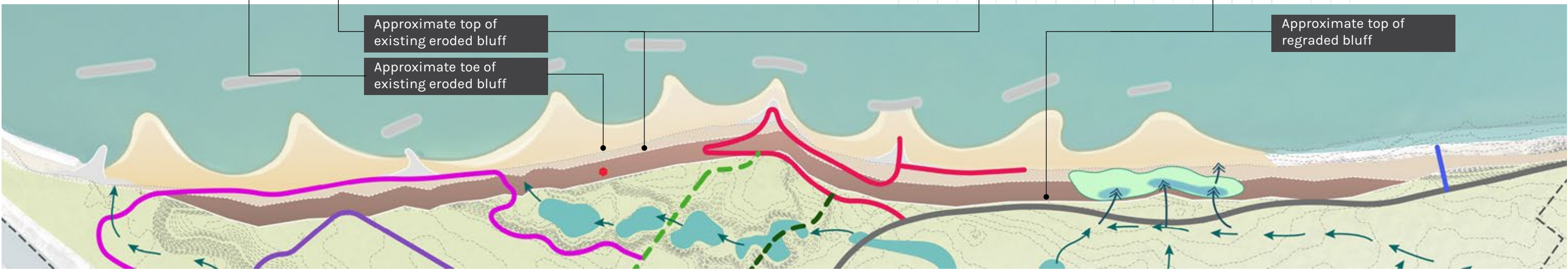
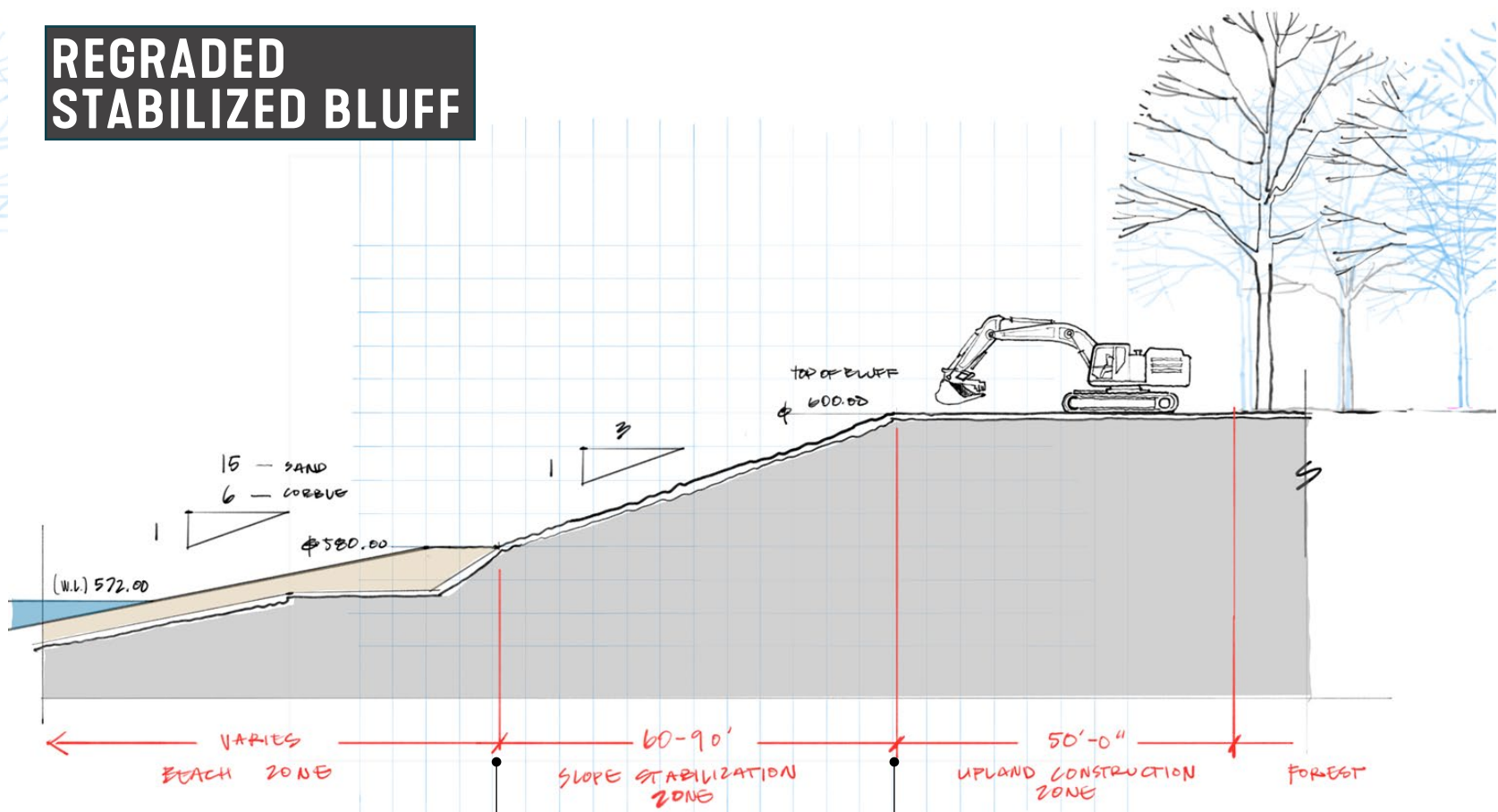


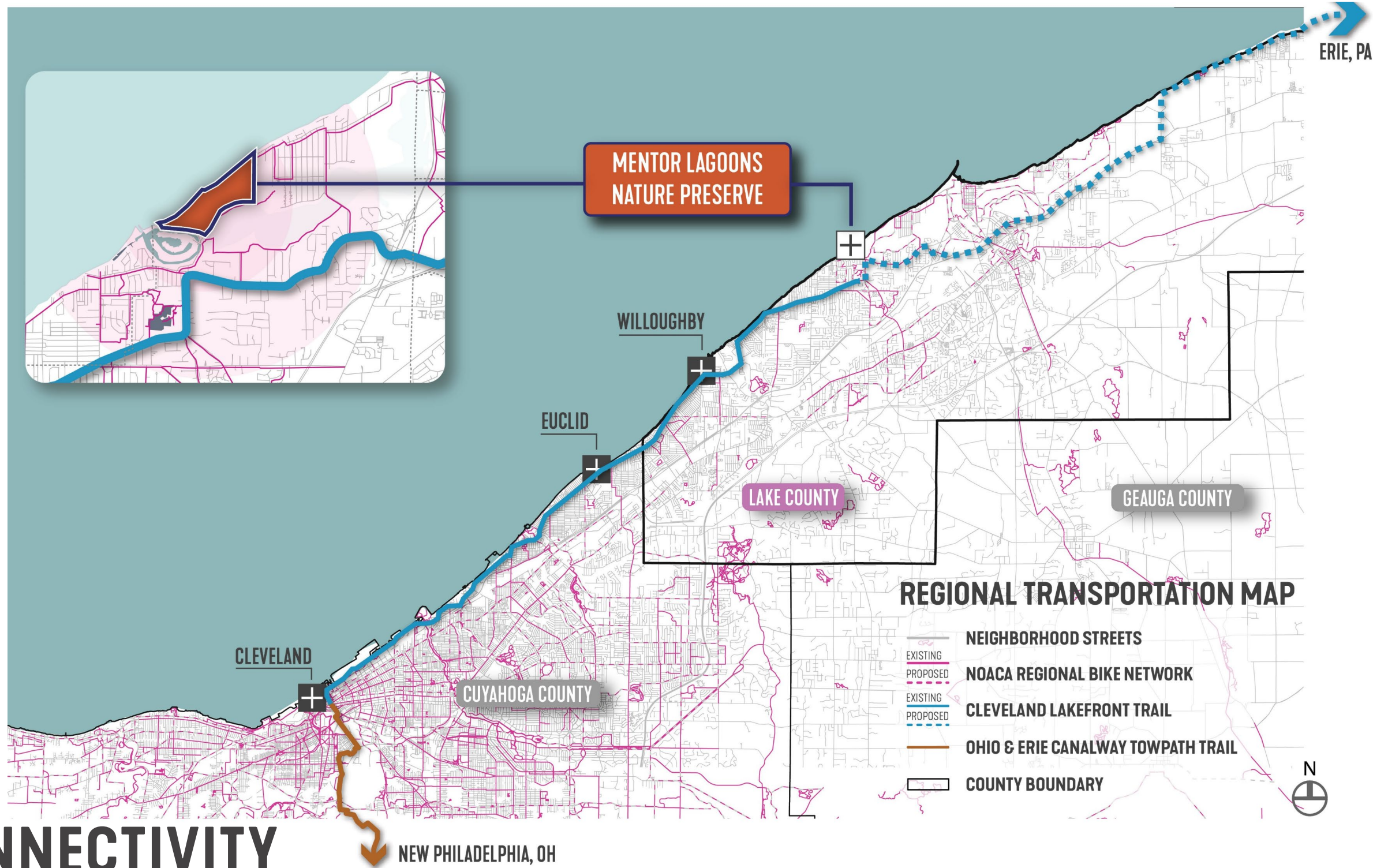
PROPOSED SHORELINE IMPROVEMENTS

EXISTING CONDITION

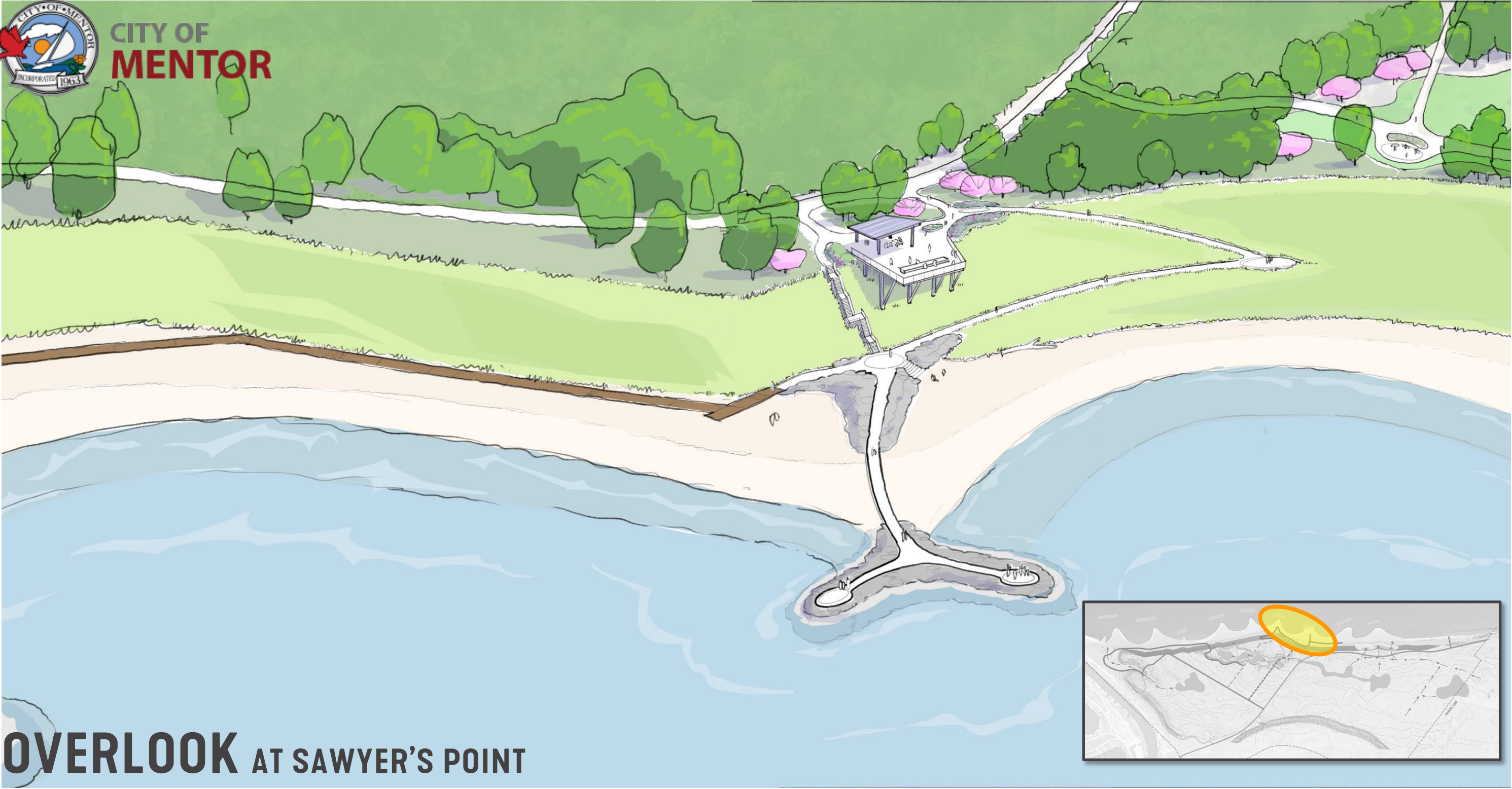


REGRADED STABILIZED BLUFF





REGIONAL CONNECTIVITY

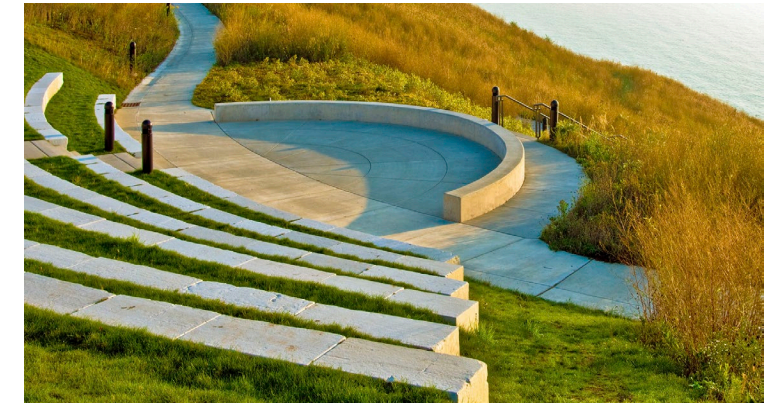
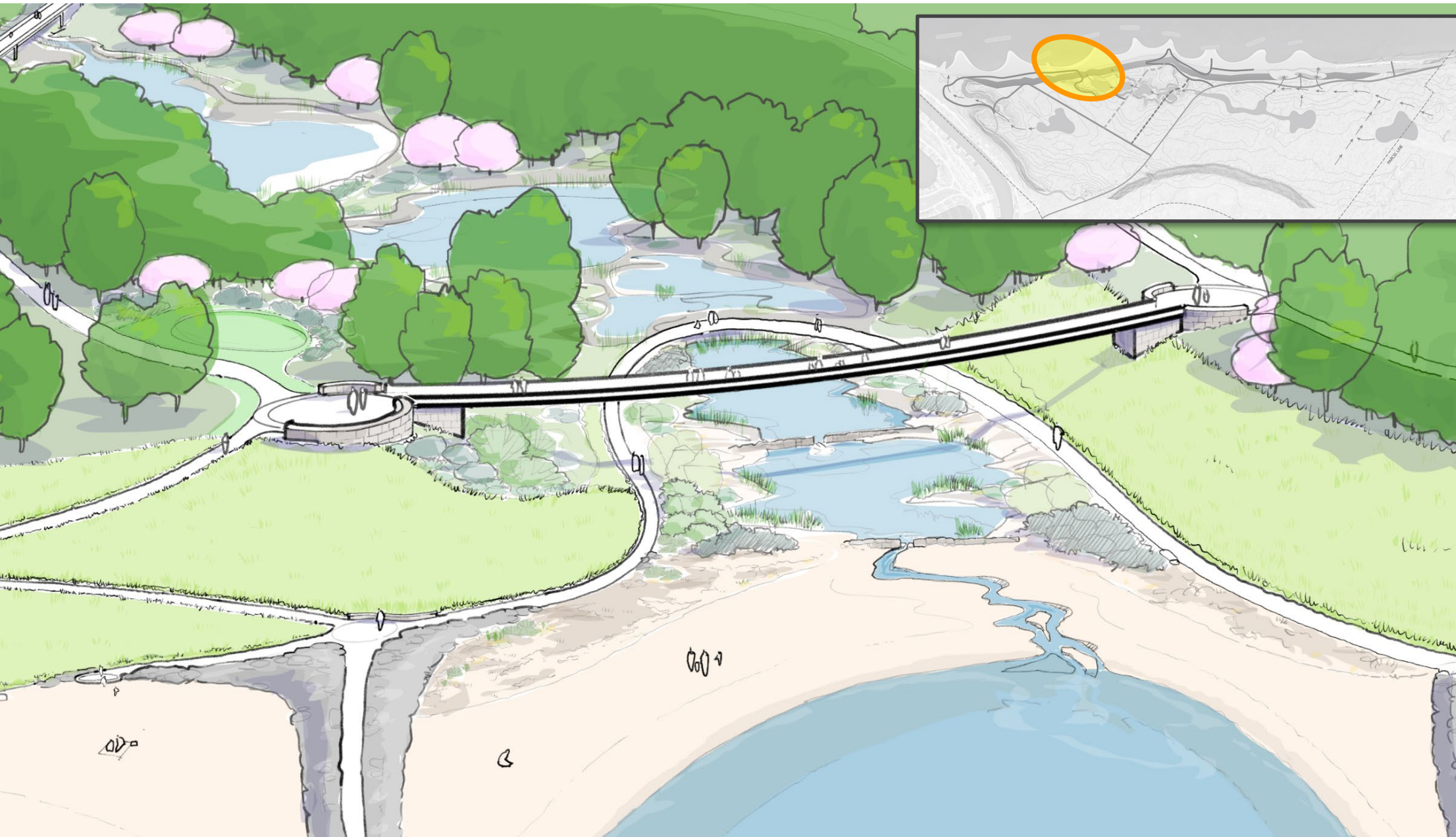


OVERLOOK AT SAWYER'S POINT

DISCOVERY POINT AT WETLAND TERRACE

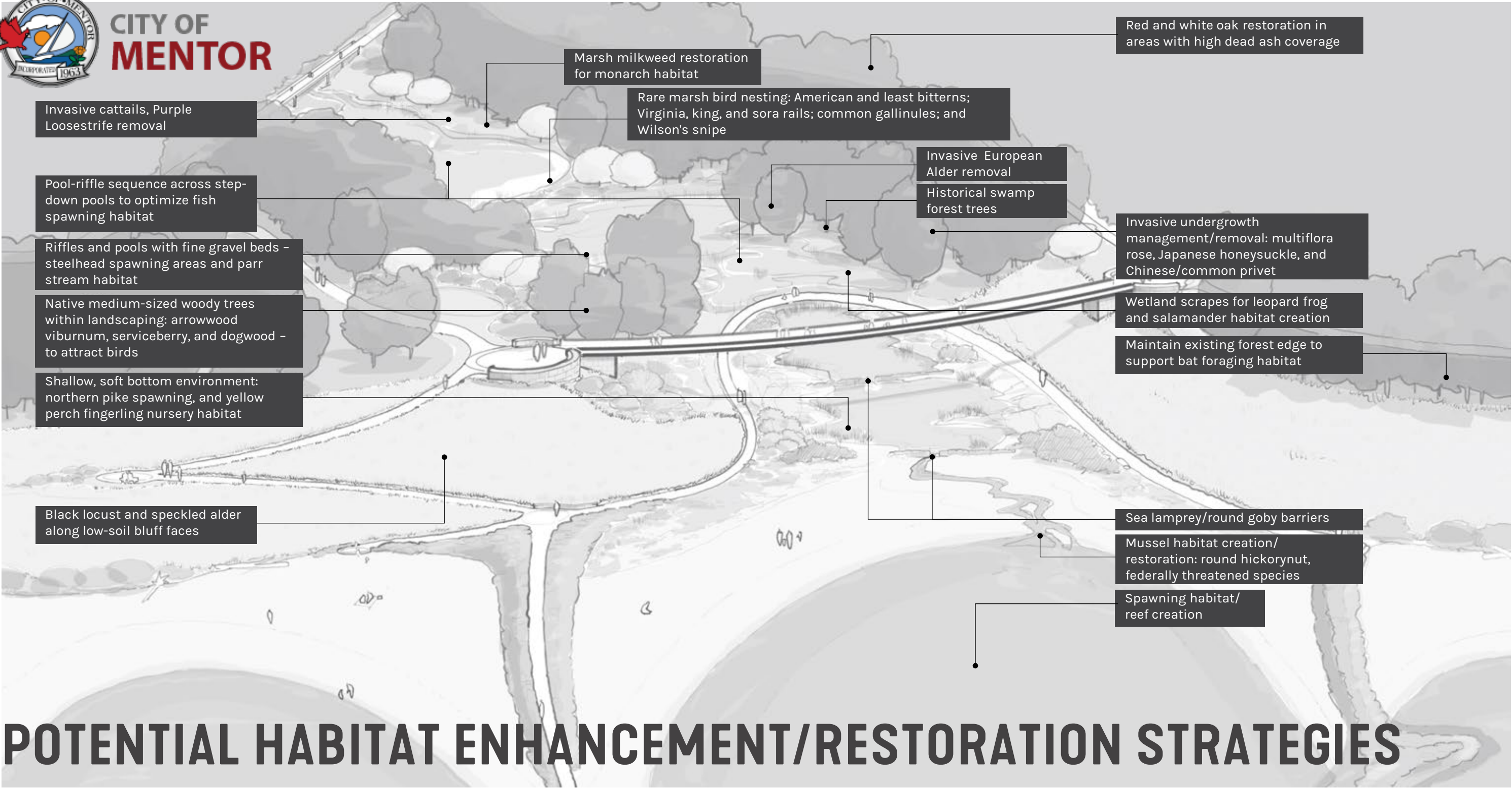


CITY OF
MENTOR





WETLAND TERRACE



Invasive cattails, Purple Loosestrife removal

Pool-riffle sequence across step-down pools to optimize fish spawning habitat

Riffles and pools with fine gravel beds - steelhead spawning areas and parr stream habitat

Native medium-sized woody trees within landscaping: arrowwood viburnum, serviceberry, and dogwood - to attract birds

Shallow, soft bottom environment: northern pike spawning, and yellow perch fingerling nursery habitat

Black locust and speckled alder along low-soil bluff faces

Marsh milkweed restoration for monarch habitat

Rare marsh bird nesting: American and least bitterns; Virginia, king, and sora rails; common gallinules; and Wilson's snipe

Invasive European Alder removal
Historical swamp forest trees

Red and white oak restoration in areas with high dead ash coverage

Invasive undergrowth management/removal: multiflora rose, Japanese honeysuckle, and Chinese/common privet

Wetland scrapes for leopard frog and salamander habitat creation

Maintain existing forest edge to support bat foraging habitat

Sea lamprey/round goby barriers

Mussel habitat creation/restoration: round hickorynut, federally threatened species

Spawning habitat/reef creation

POTENTIAL HABITAT ENHANCEMENT/RESTORATION STRATEGIES



CITY OF
MENTOR

QUESTIONS / NEXT STEPS