

EUCLID BEACH CONNECTOR

ORD. NO. 528-2023, CLEVELAND CITY COUNCIL COMMITTEE MEETINGS

MAY 15, 2023



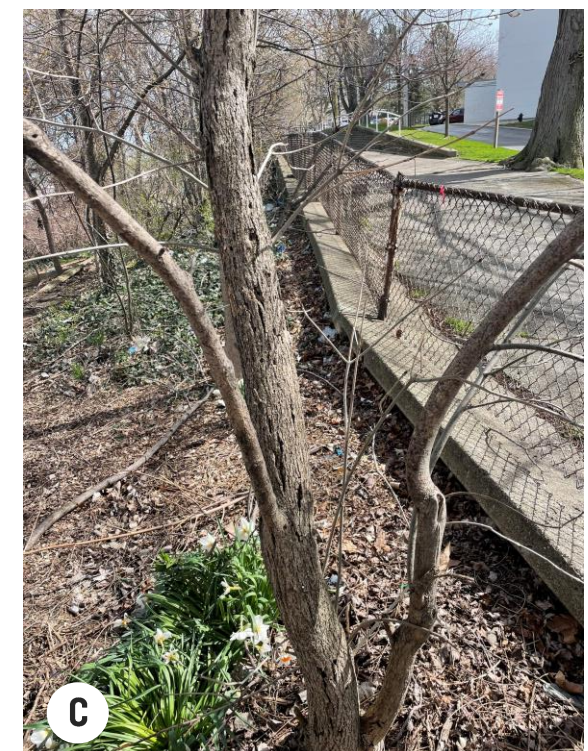
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BACKGROUND AND OVERVIEW

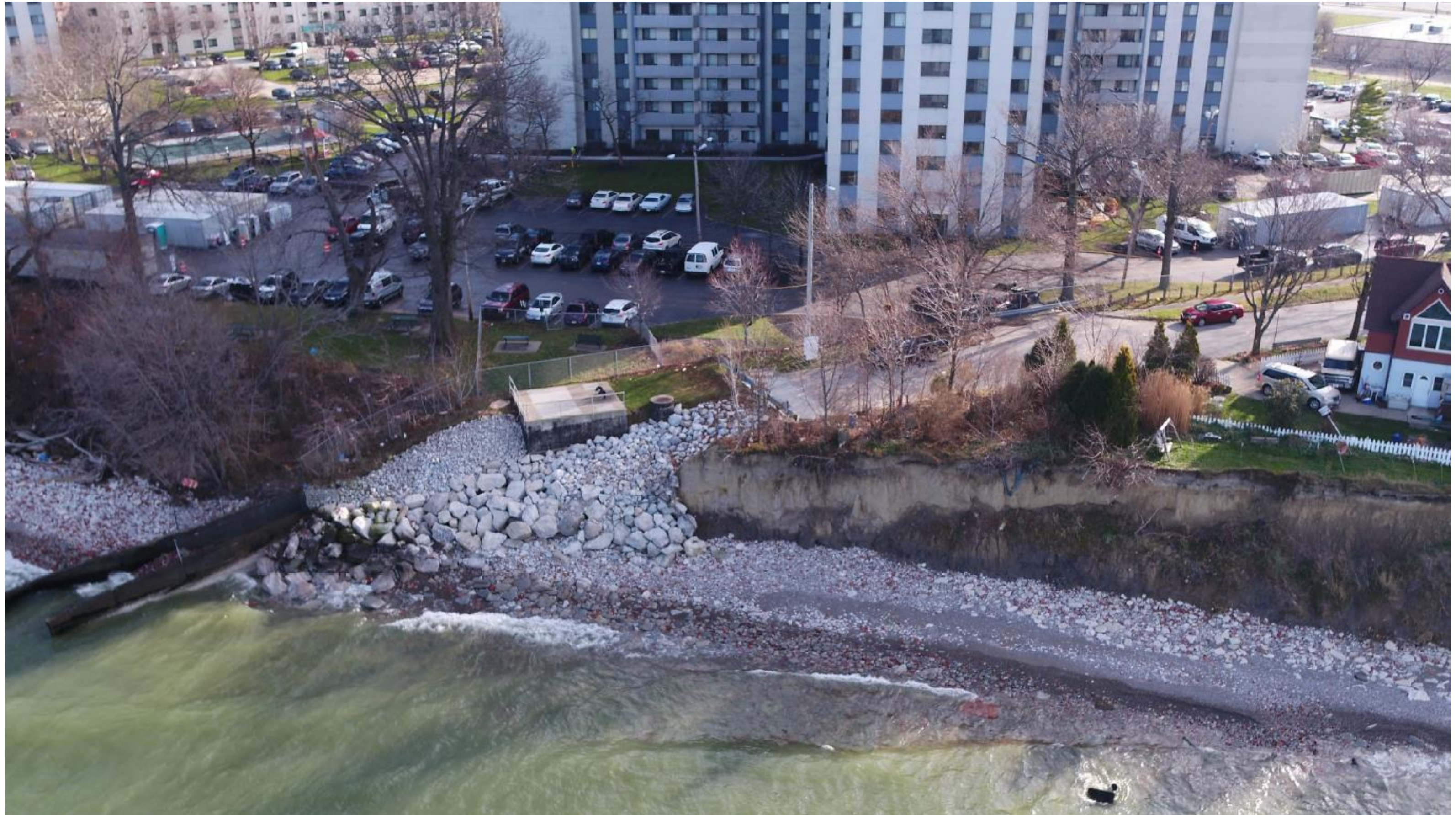
APPROXIMATE PROJECT AREA



EXISTING CONDITIONS: METROPARKS



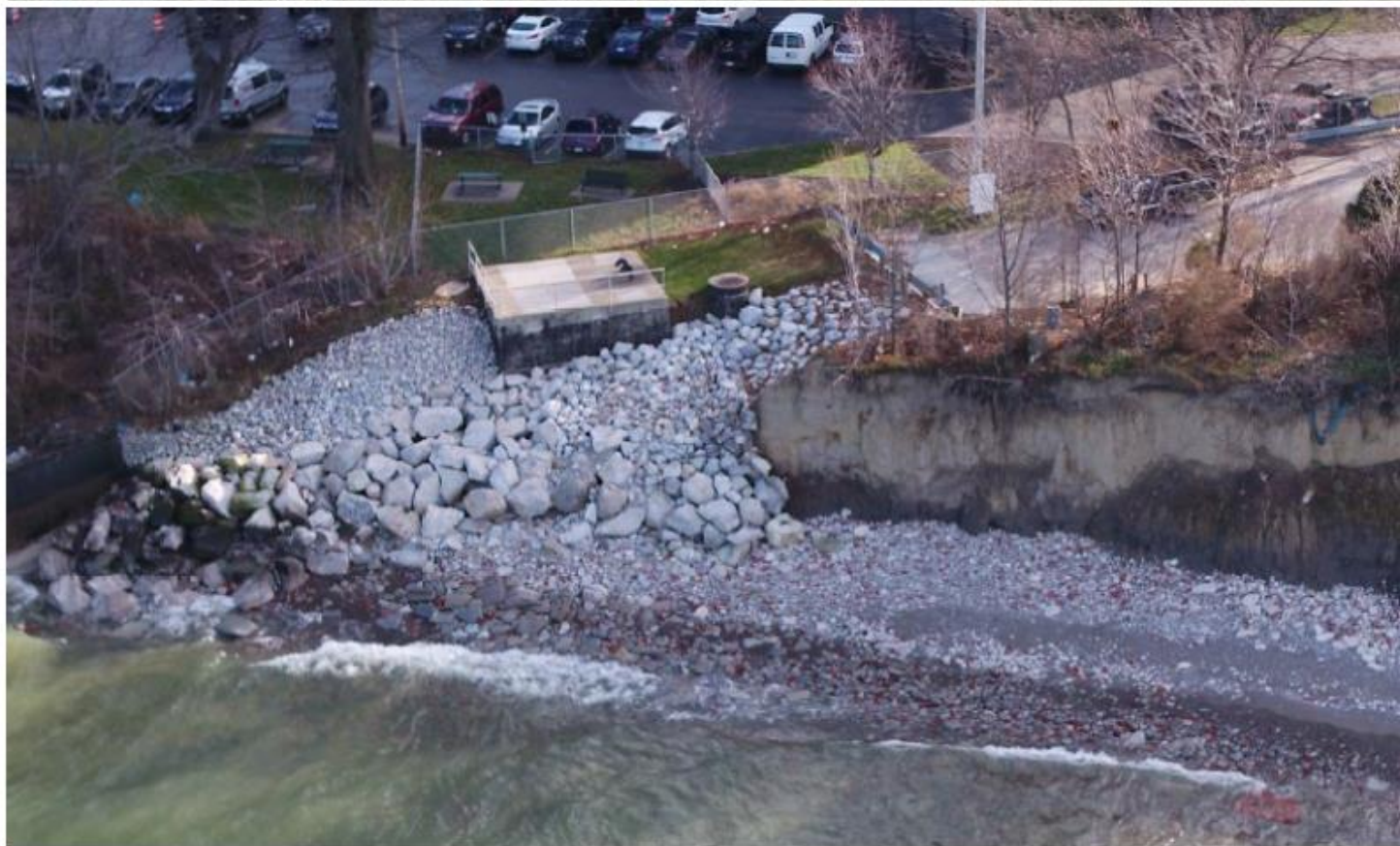
EXISTING CONDITIONS: NEORSD 206



EXISTING CONDITIONS: NEORS D 206



EXISTING CONDITIONS: BEULAH PARK/NEORSD 206



County Planning



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EXISTING CONDITIONS: BEULAH PARK



EXISTING CONDITIONS: BEULAH PARK



EXISTING CONDITIONS: BEULAH PARK/NEORSD 207



EXISTING CONDITIONS: VILLA BEACH



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EXISTING CONDITIONS: VILLA BEACH



EXISTING CONDITIONS: LOHSER & SHORE ACRES



TODAY'S CONDITION



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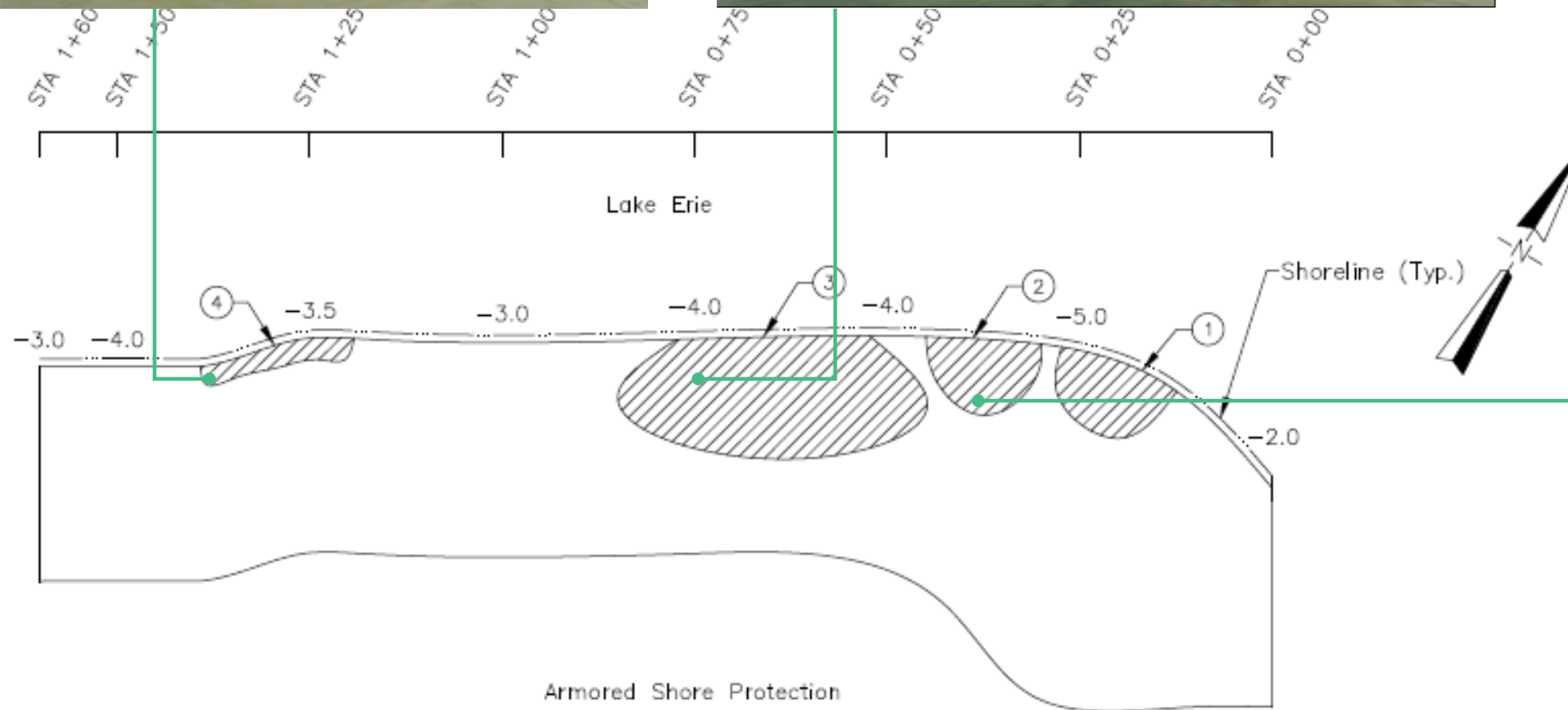


County Planning



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TODAY'S CONDITION



Large central void



County Planning

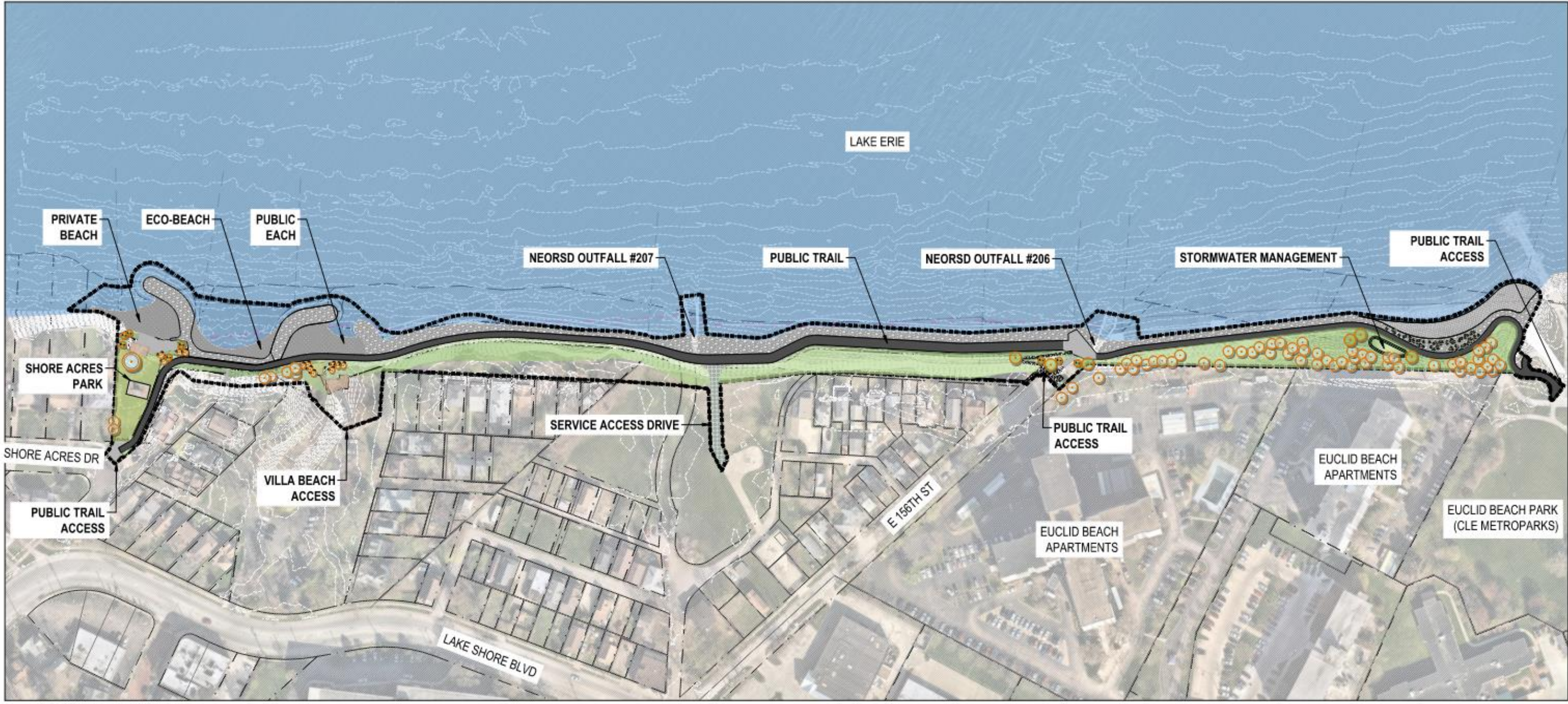


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PREFERRED CONCEPT PLAN

PROJECT OVERVIEW



DESIGN IMPLICATIONS – HEIGHT OF TRAIL

LAKESIDE CONDITIONS



MAXIMUM SLOPE = 2.5:1 (SLOPE STABILITY)

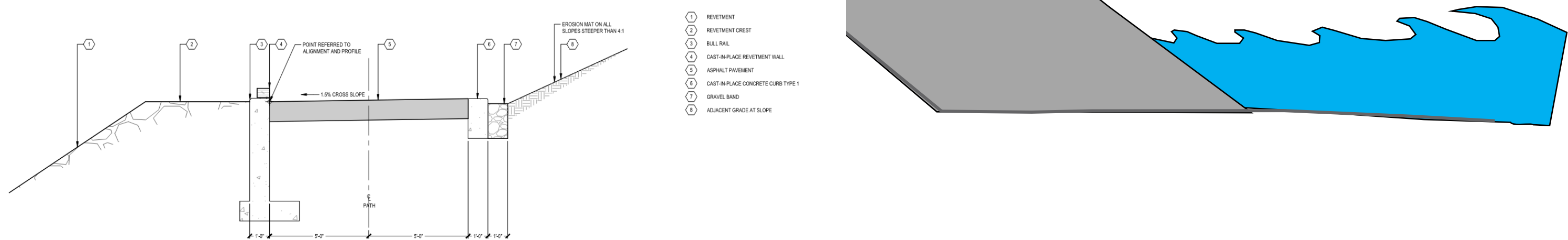
MINIMUM OF EL 582. APPROXIMATELY

REVETMENT SLOPE = 1.5:1

Design of coastal structures and trail elevations are based on the following parameters:

Design Service Life:	50 years
Design Lake Erie Still Water Level –	574.61 IGLD85 (100-year recurrence frequency)
Design Storm Surge	2.62 ft (100-year recurrence frequency)
Design Water Level	577.23 IGLD85 (100-year recurrence frequency)
Design Wave Heights (Near shore)	8.88 ft to 9.64 ft (100-year recurrence frequency)

Detailed design is also based on calculations of other coastal phenomena such as runup and longshore transport.



- ① REVETMENT
- ② REVETMENT CREST
- ③ BULL RAIL
- ④ CAST-IN-PLACE REVETMENT WALL
- ⑤ ASPHALT PAVEMENT
- ⑥ CAST-IN-PLACE CONCRETE CURB TYPE 1
- ⑦ GRAVEL BAND
- ⑧ ADJACENT GRADE AT SLOPE

2 TYPICAL PATH - SECTION 2

SCALE: 1/2" = 1'-0"



PROJECT FUNDING

TOTAL PROJECT APPROXIMATELY \$16,000,000

Grant(or)	Grant Amount	Local Match Required	Total
FEMA HMGP	\$480,000	\$80,000	\$560,000
NEORS	\$1,500,000	\$0	\$1,500,000
City of Cleveland	\$3,000,000	\$0	\$3,000,000
LWCF-ORLP	\$1,498,750	\$1,498,750	\$2,997,500
Natureworks	\$70,000	\$80,000	\$150,000
EEAG	\$1,000,000	\$0	\$1,000,000
*Cuyahoga County			\$6,792,500
		Approximate Project Total	\$16,000,000

*note - Cuyahoga County also has applied and awaiting word on two additional grants, the Clean Ohio Trails Fund / Recreational Trails Program (\$650,000) and the National Coastal Resilience Fund (NCRF) (\$2,000,000), in addition to congressional earmarks

PROJECT SCHEDULE

PROJECT OVERVIEW

