



STIMSON

neorsd.org/DoanBrook

PROJECT UPDATES, PRESENTATION RECORDINGS, FAQ AND MORE!

AGENDA

1 Stream Restoration

- Tree inventory
- · Sediment management, earthwork, & grading
- Wetland filters & floodplain access

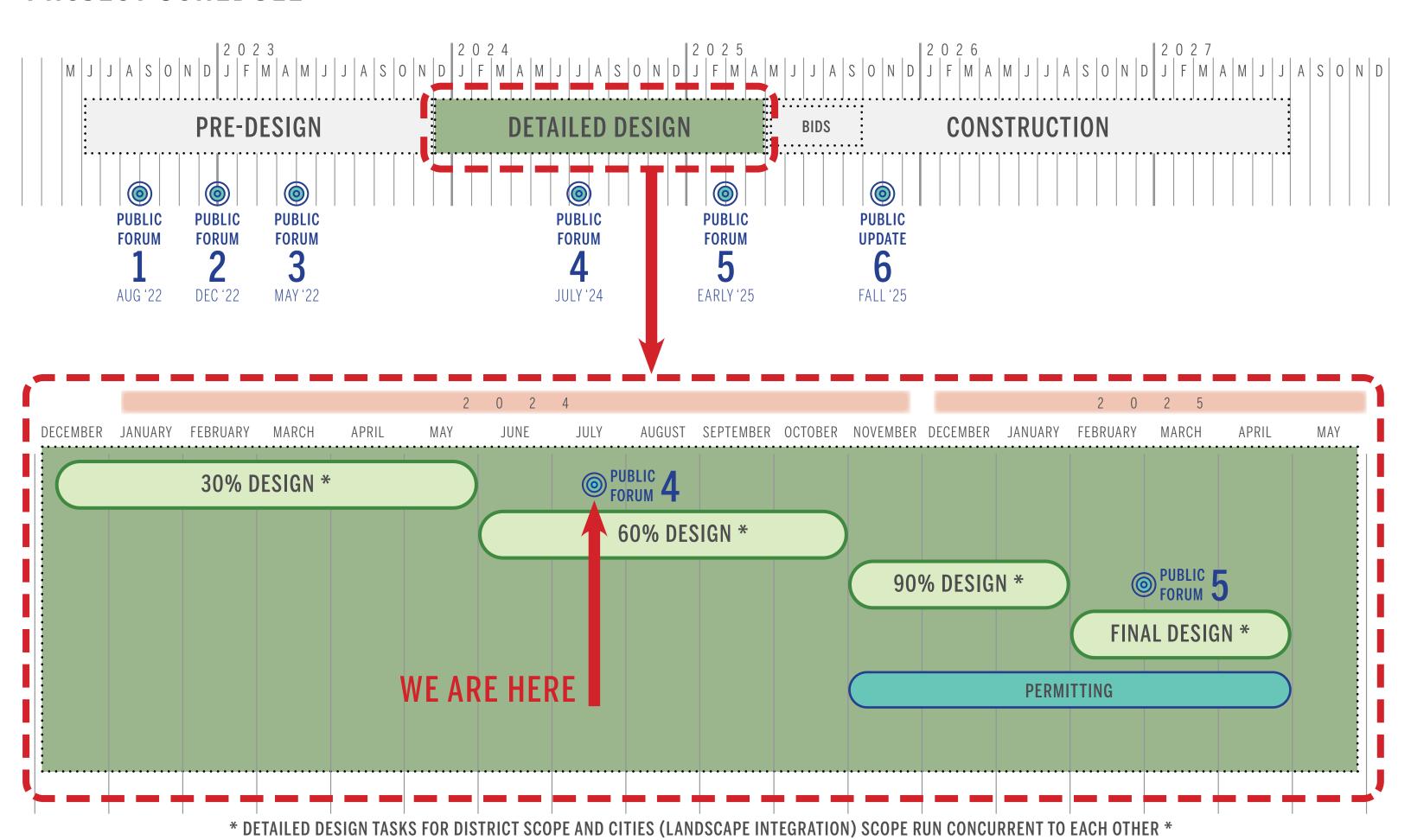
2 Park Integration

- Circulation
- Landscape typologies
- Park amenities

3 Estimate of Probable Construction Costs

4 Next Steps

PROJECT SCHEDULE



IN THE MEETING WITH YOU TONIGHT

STIMSONLandscape Architecture & Stakeholder Engagement



GLEN VALENTINE
PRINCIPAL
LANDSCAPE INTEGRATION LEADER



MATT LANGAN
TECHNICAL DIRECTOR
PROJECT MANAGER



CAMILA CAMPOS HERRERAASSOCIATE | LANDSCAPE ARCHITECT

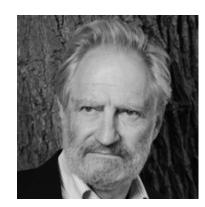


CECILIA HUBER
LANDSCAPE ARCHITECT



JUSTIN HAILEY
LANDSCAPE DESIGNER

Key Advisor



ROY LARICK
ARCHEOLOGY, NATURAL HISTORY,
AND

AECOMDam Removal & Sediment Mgmt.



STEVE WALKER
GEO-ENVIRONMENTAL PROJECT MGR.
DAM REMOVAL LEADER



BRIAN MASTIN
SEDIMENT PRACTICE LEADER
SEDIMENT MANAGEMENT LEADER



VIK GAUTAM GEOTECHNICAL PRACTICE LEADER



DREW BROWNINGENVIRONMENTAL ENGINEER



IVAN VALENTIC
SENIOR PROJECT MANAGER
DEPUTY PROJECT MANAGER

GPD Group + EnviroScience Stream Restoration



JOE LANNIRESTORATION GROUP MANAGER

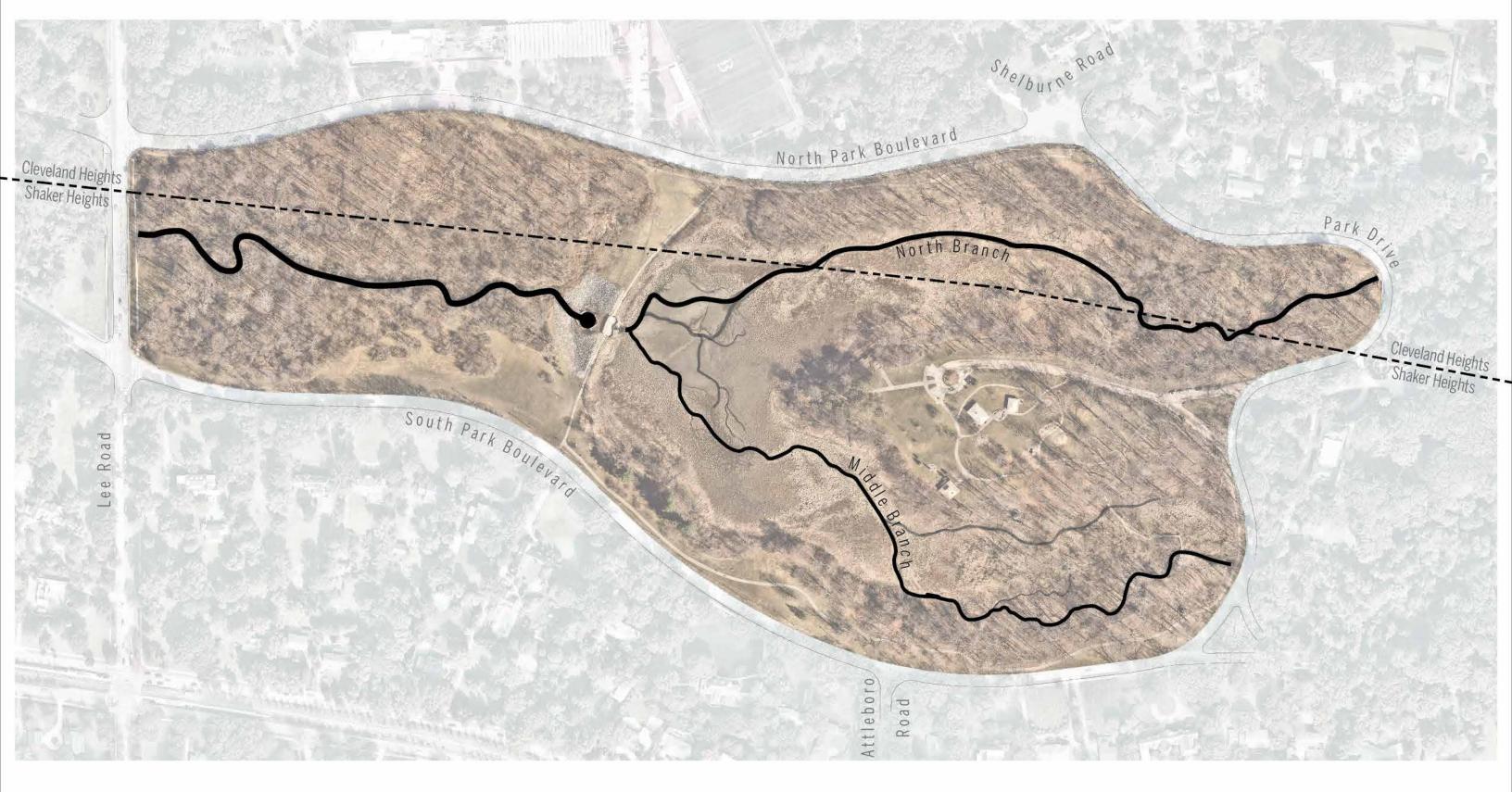


JESSE RUFENER
RESTORATION GROUP MANAGER

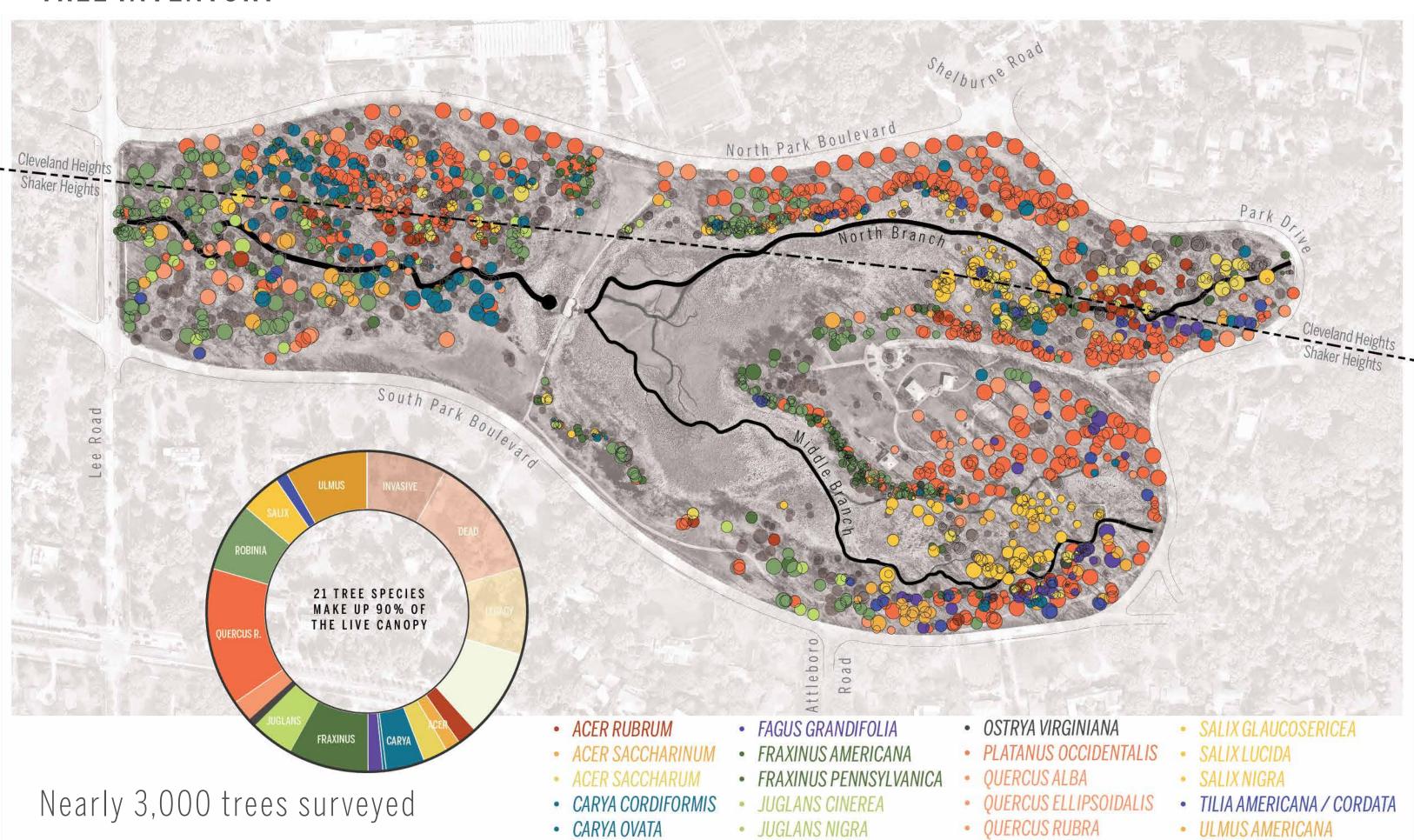


JULIE BINGHAM, CERP
RESTORATION GROUP MANAGER
STREAM RESTORATION LEADER

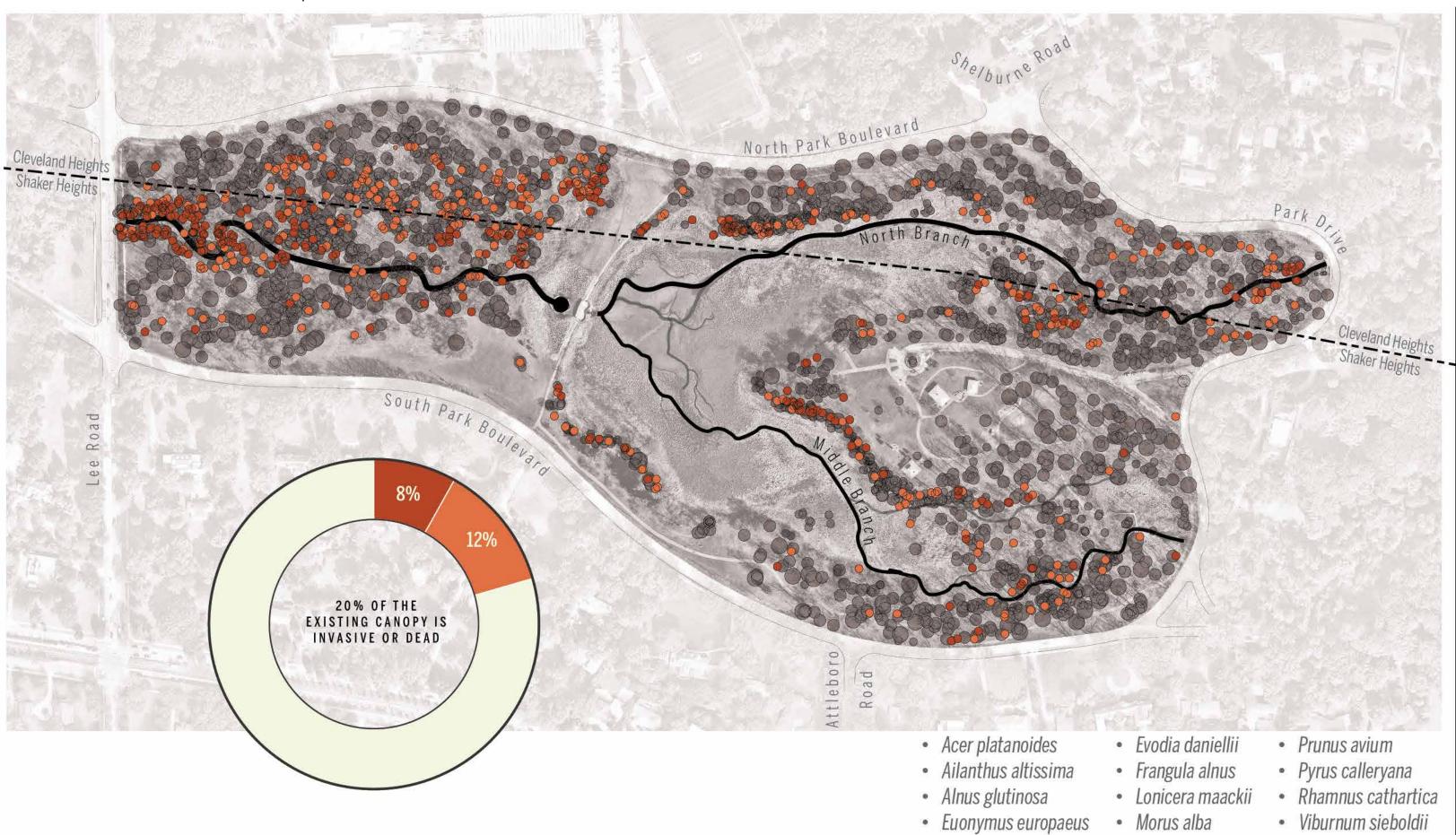
EXISTING CONDITIONS



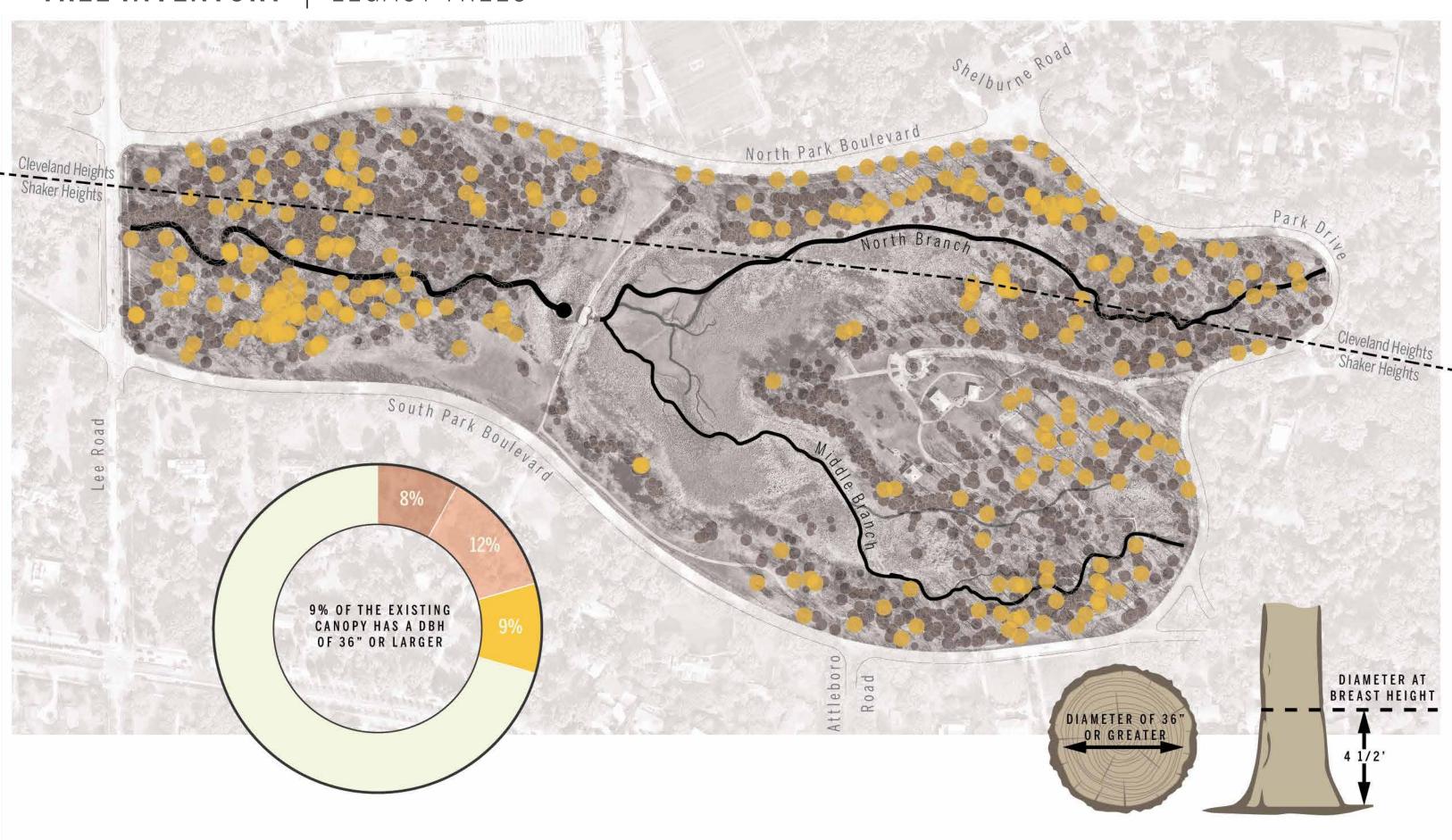
TREE INVENTORY



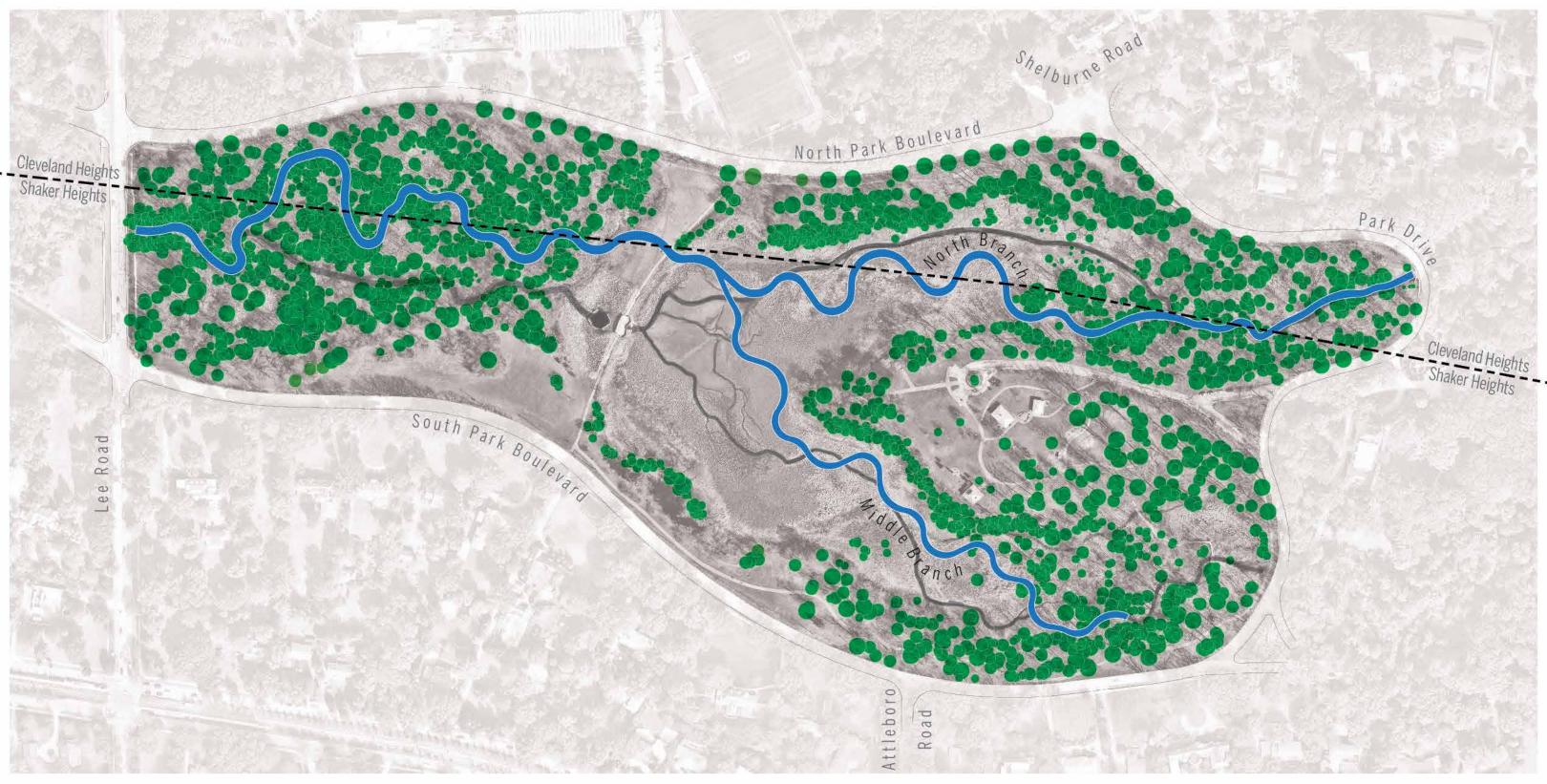
TREE INVENTORY | INVASIVE OR DEAD TREES



TREE INVENTORY | LEGACY TREES

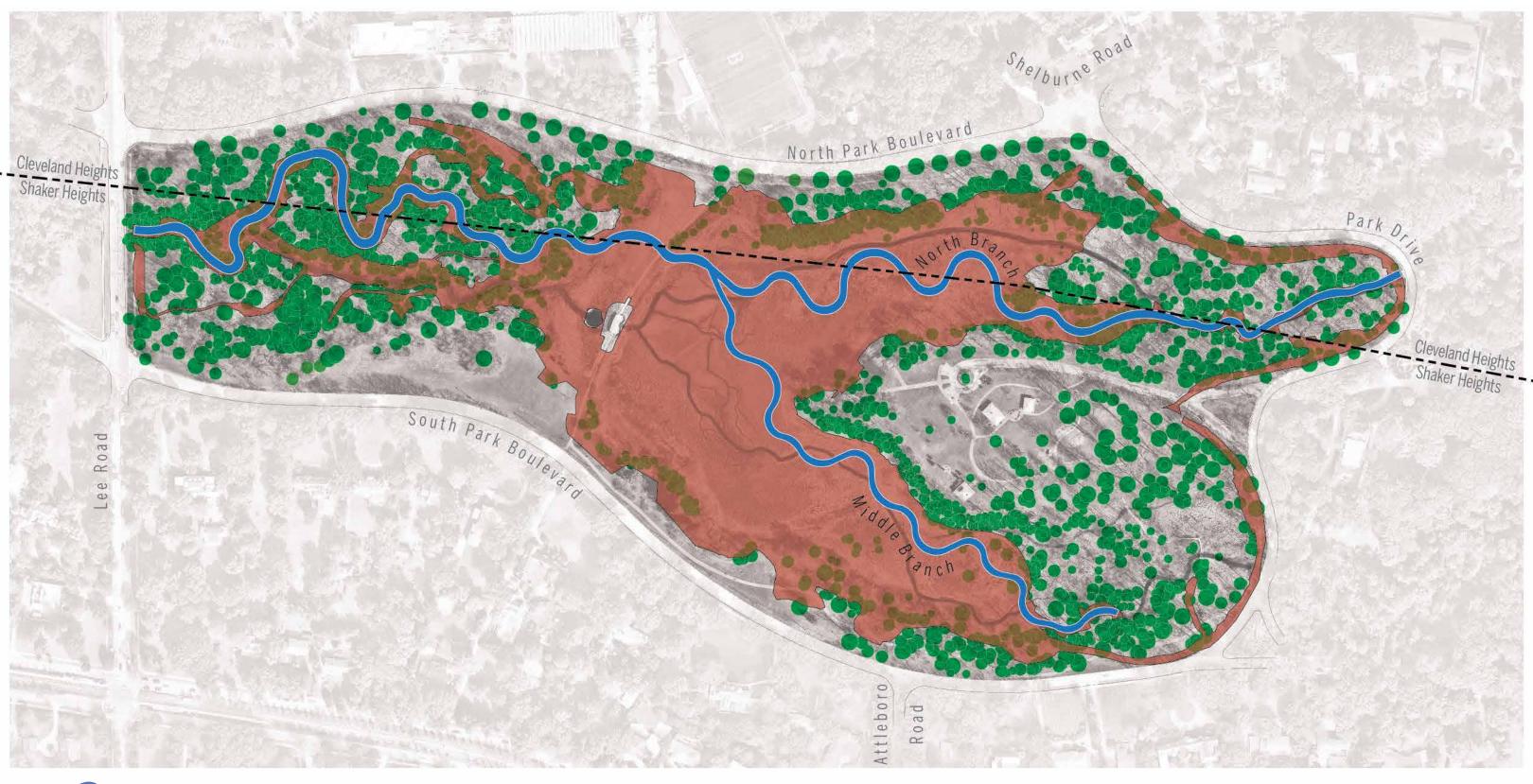


STREAM ALIGNMENT



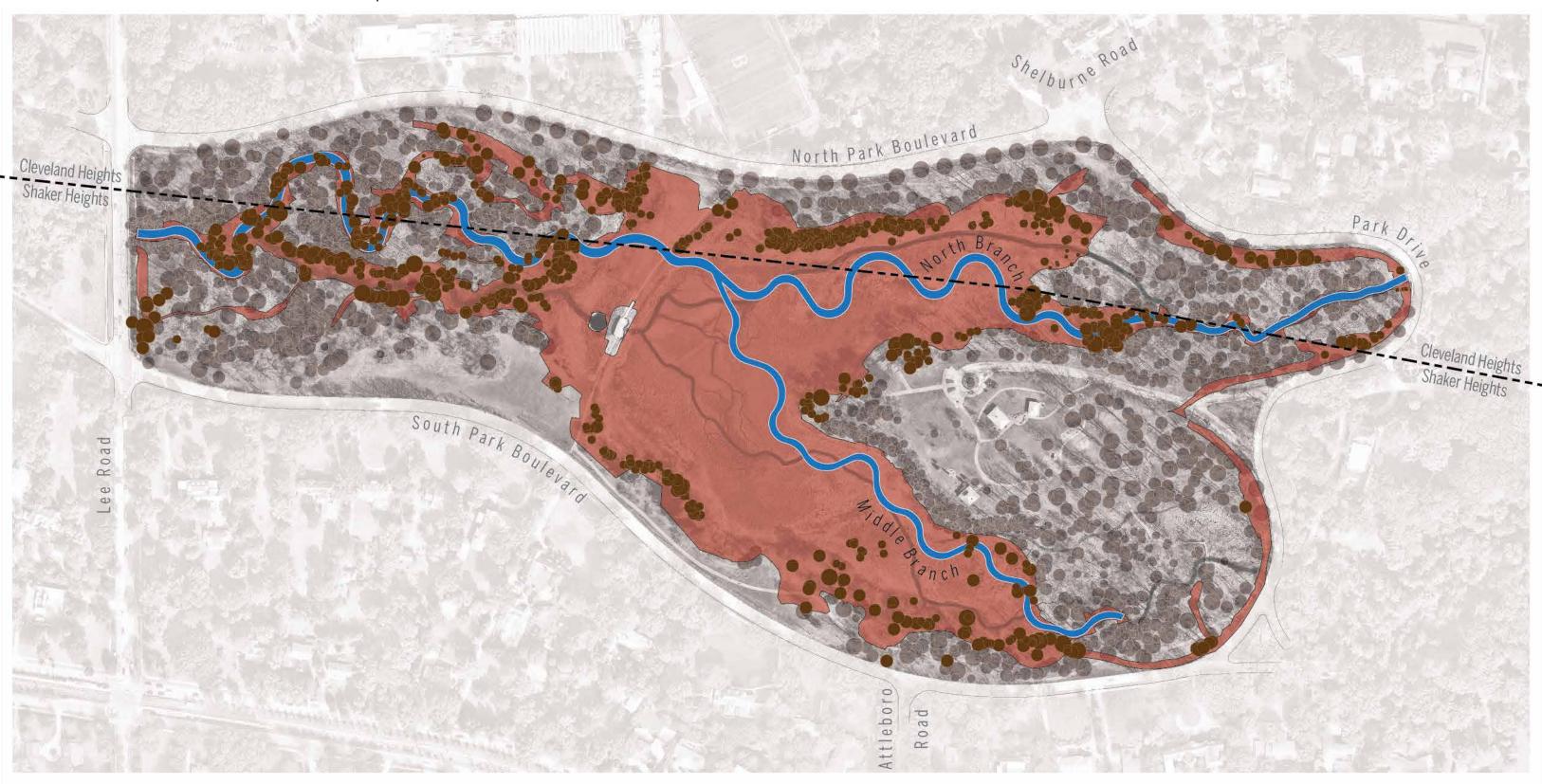
PROPOSED STREAM ALIGNMENT

STREAM ALIGNMENT | EARTHWORK EXTENTS



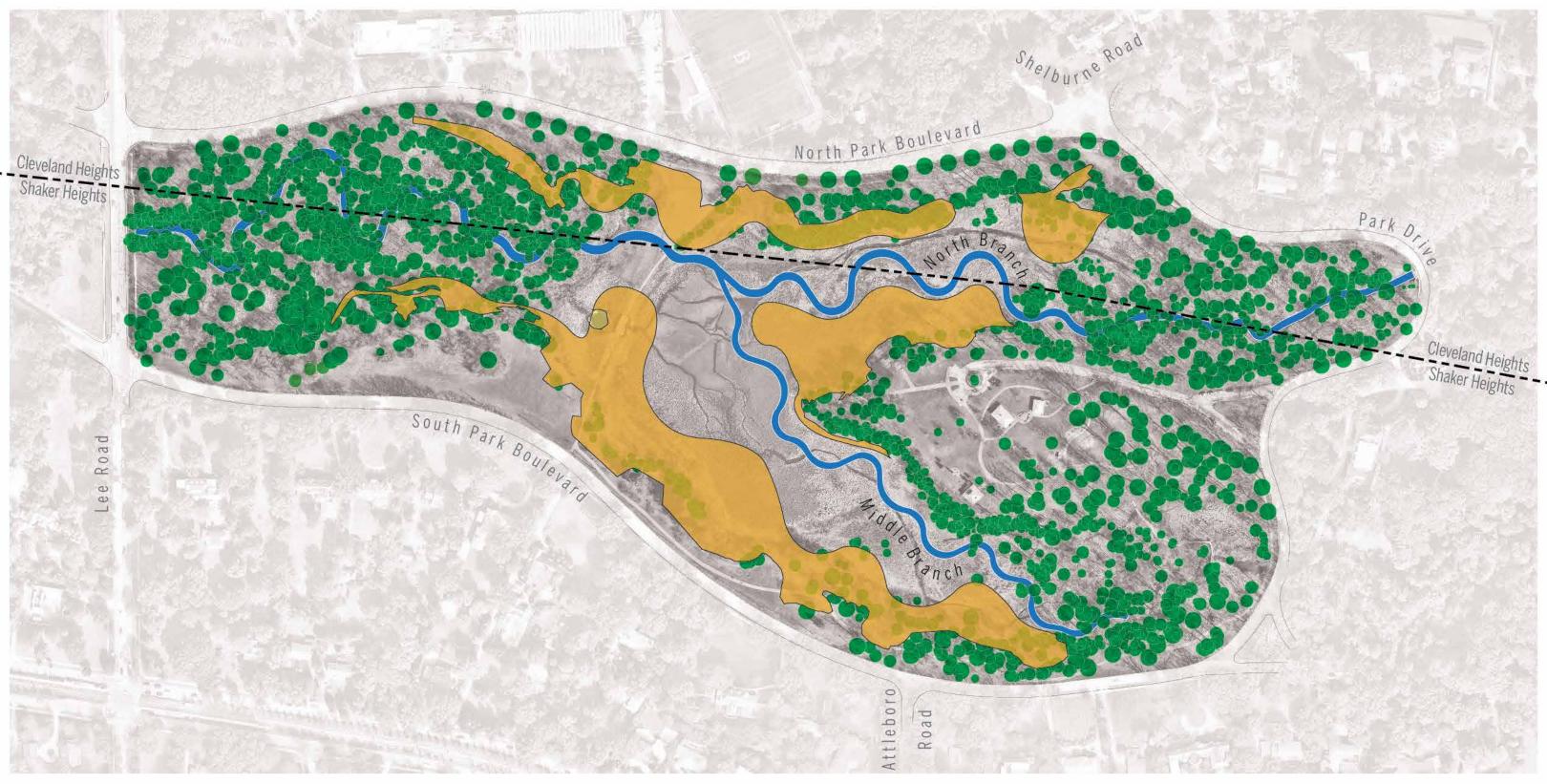


STREAM ALIGNMENT | TREE REMOVALS



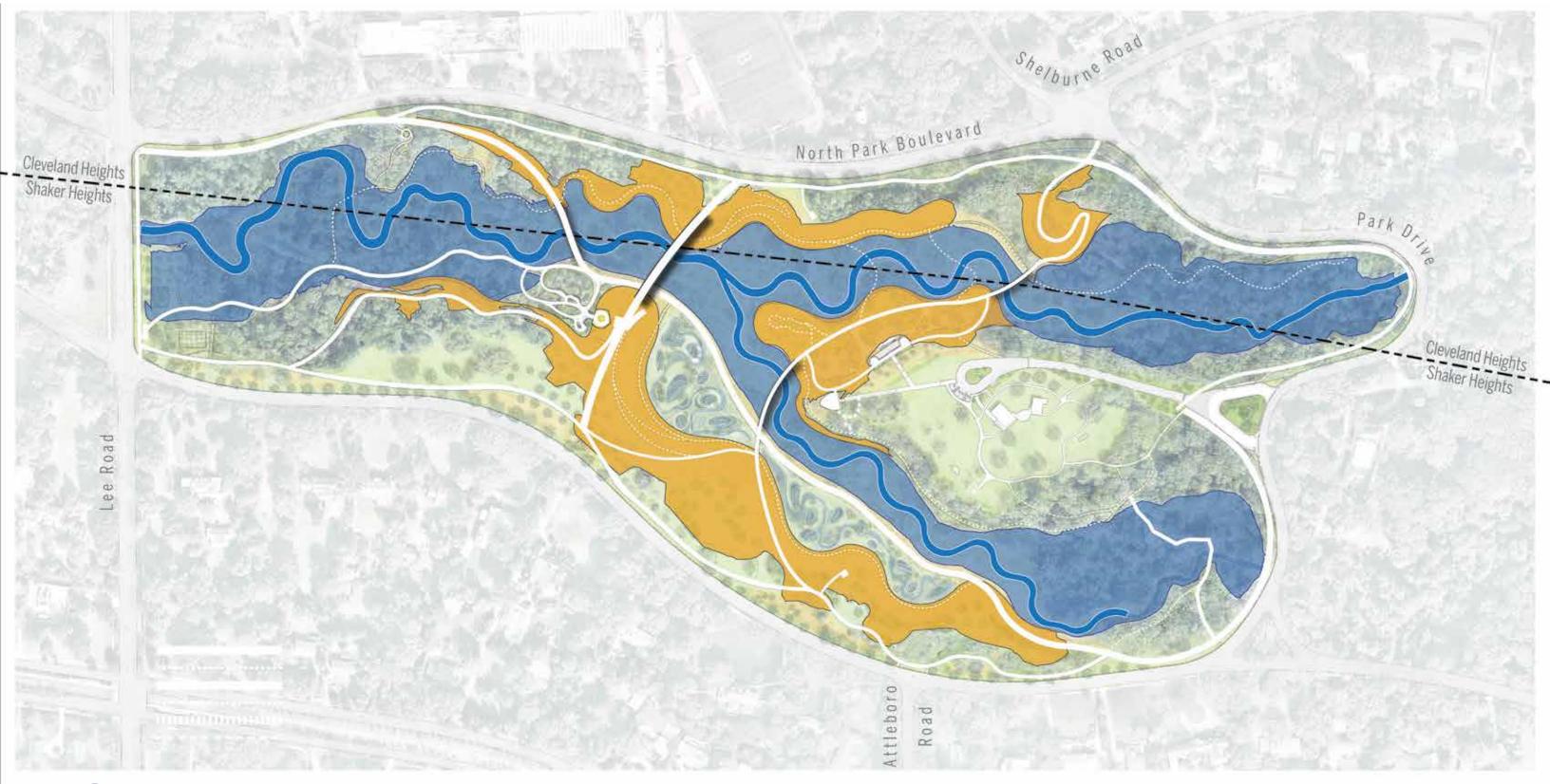


STREAM ALIGNMENT | LANDFORM CREATION





STREAM ALIGNMENT | FLOODPLAIN ACCESS





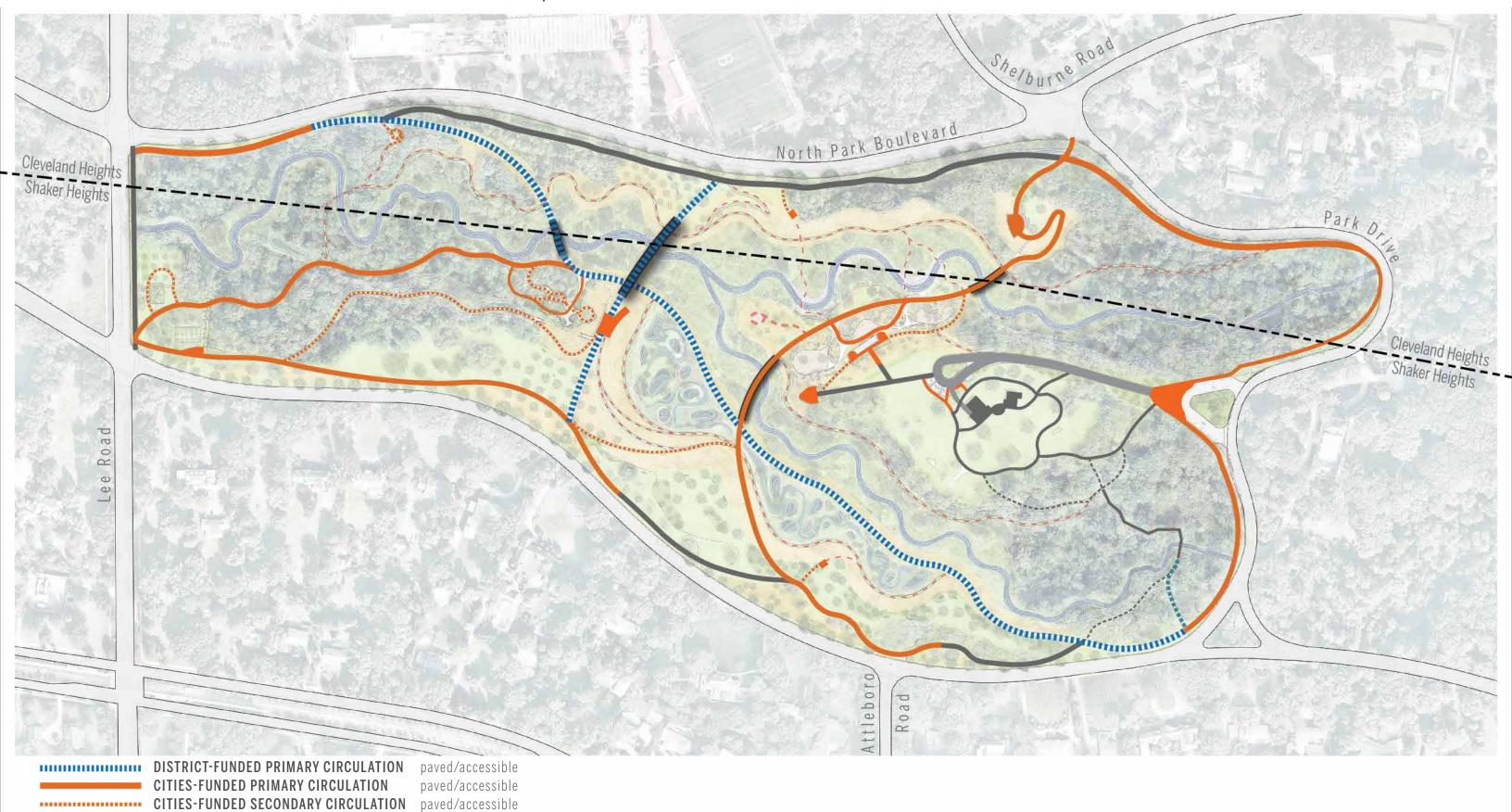
LANDSCAPE INTEGRATION PLAN | POTENTIAL PARK CIRCULATION

lawn / dirt trails

paved/accessible

TERTIARY CIRCULATION

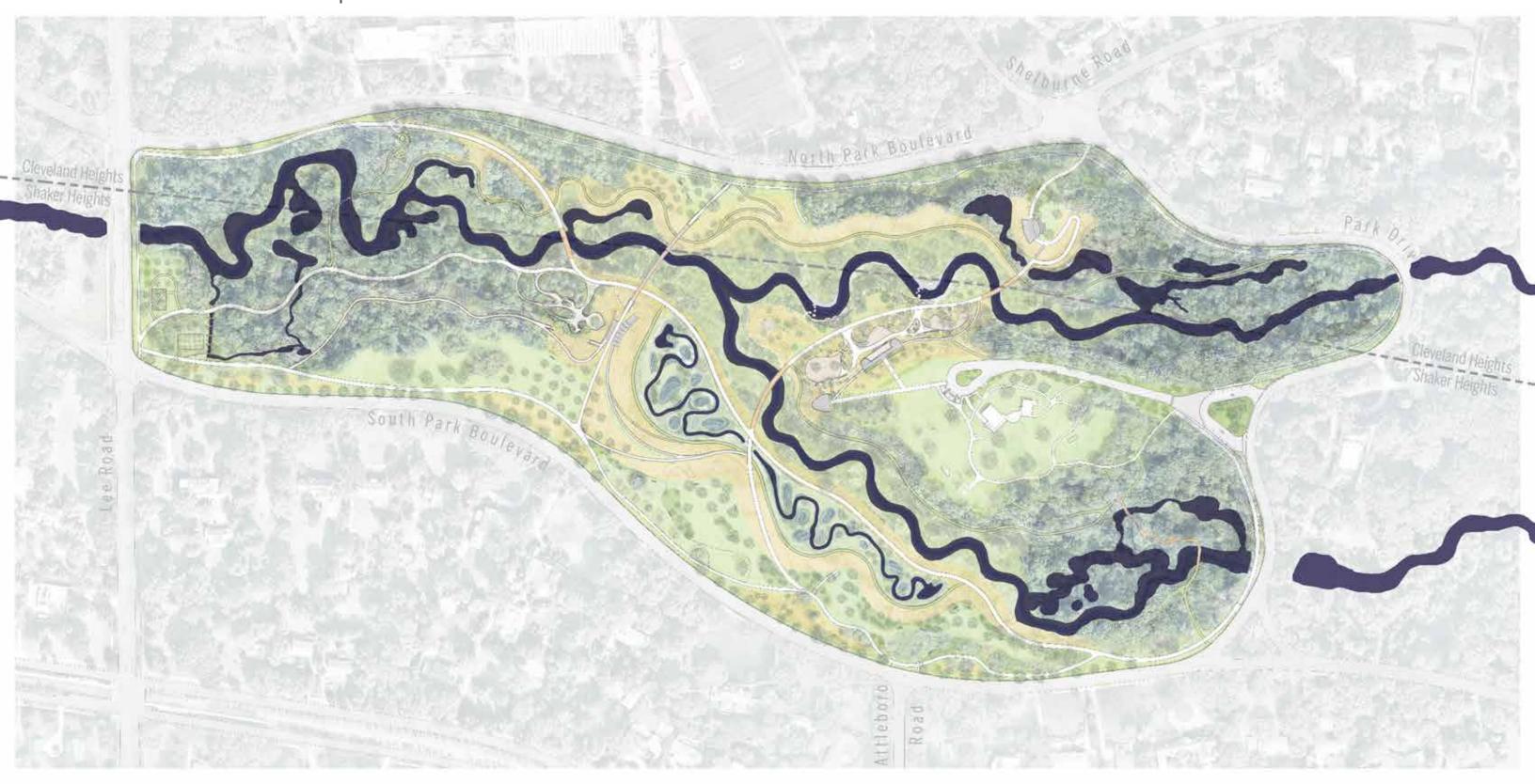
EXISTING WALK TO REMAIN



*EXTENT OF PARK CIRCULATION WILL BE SUBJECT TO AVAILABILITY OF CITIES FUNDING

LANDSCAPE INTEGRATION PLAN











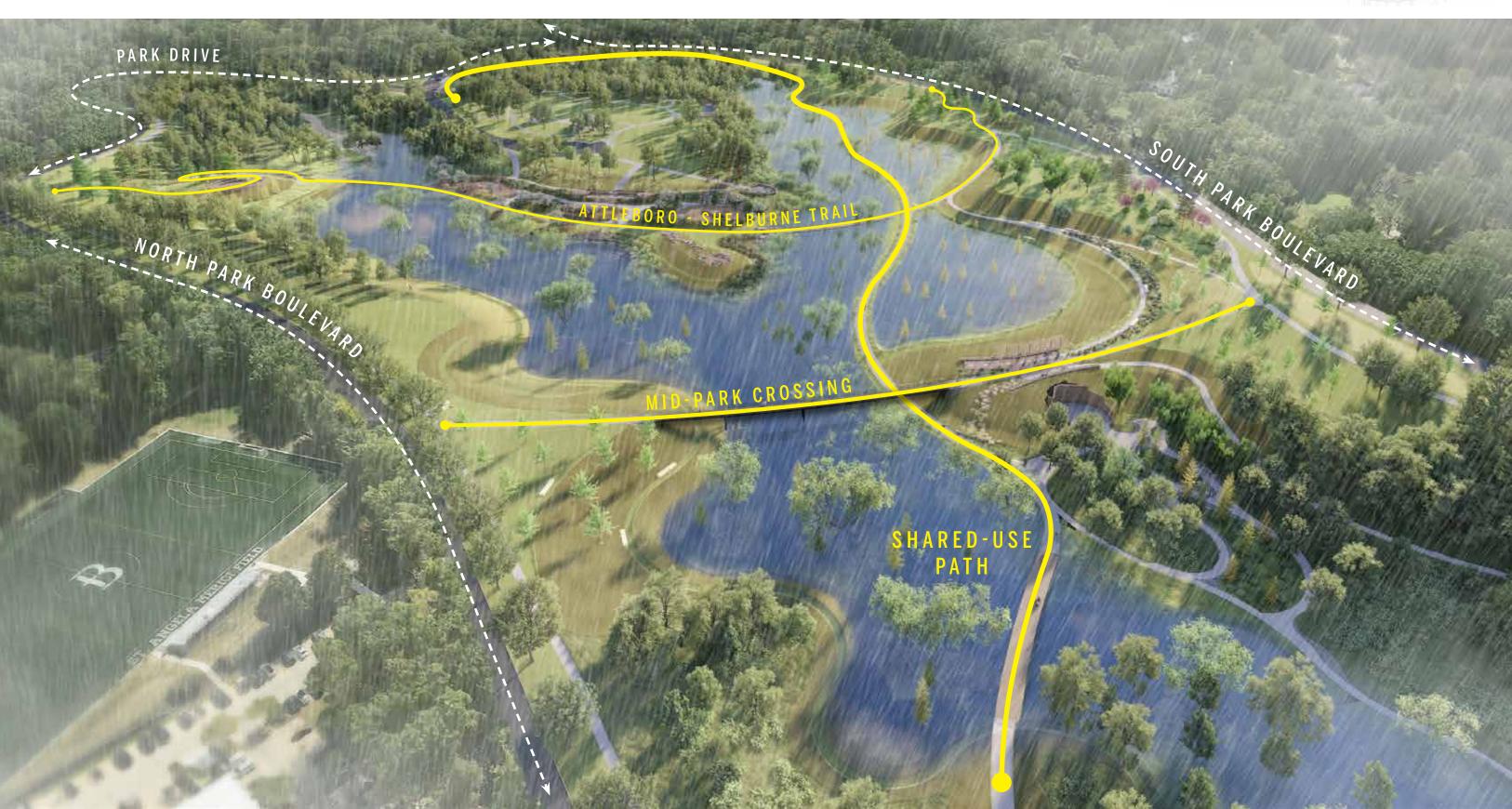
PARK HYDROLOGY | POTENTIAL PARK CIRCULATION



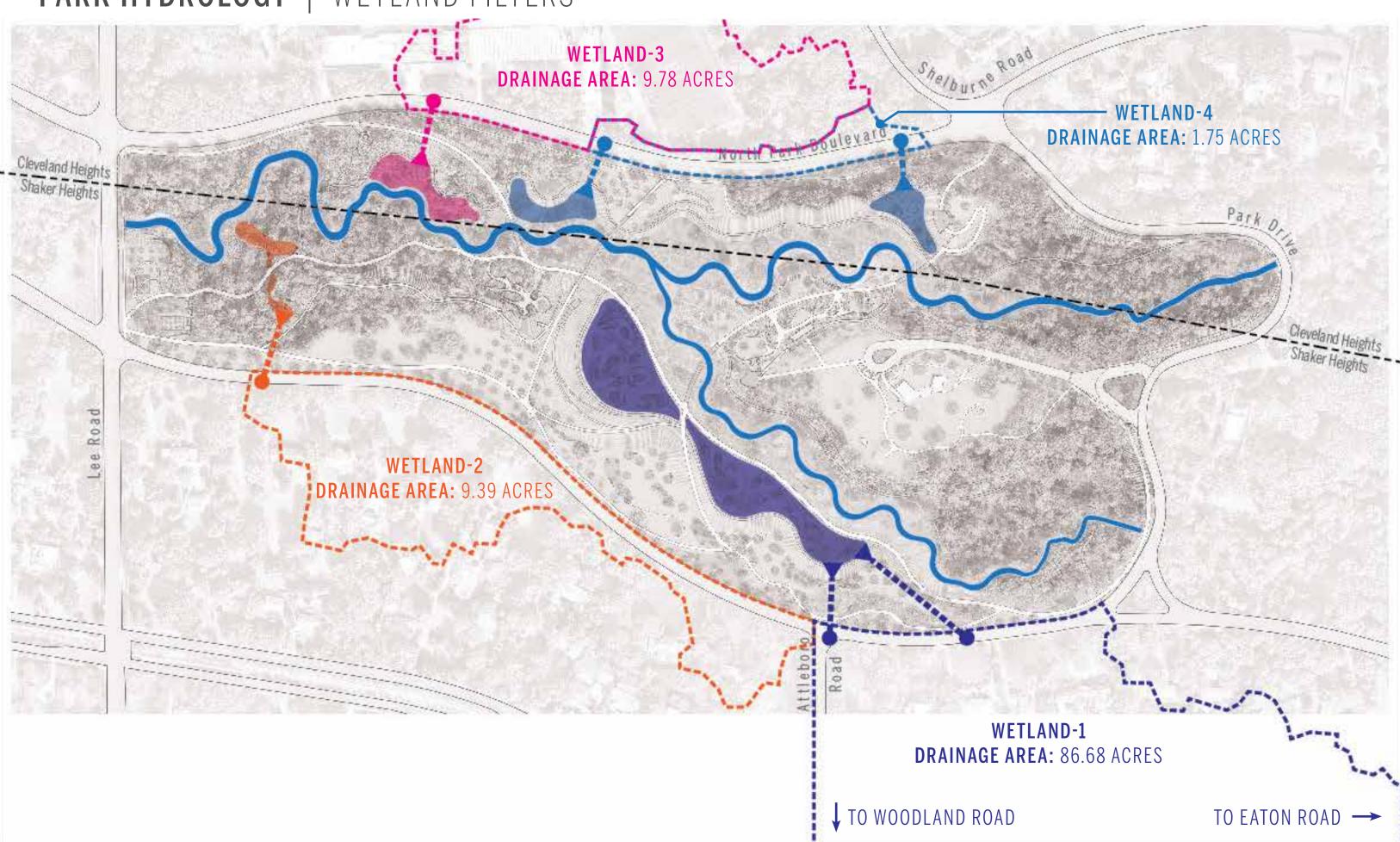


PARK HYDROLOGY | POTENTIAL PARK CIRCULATION

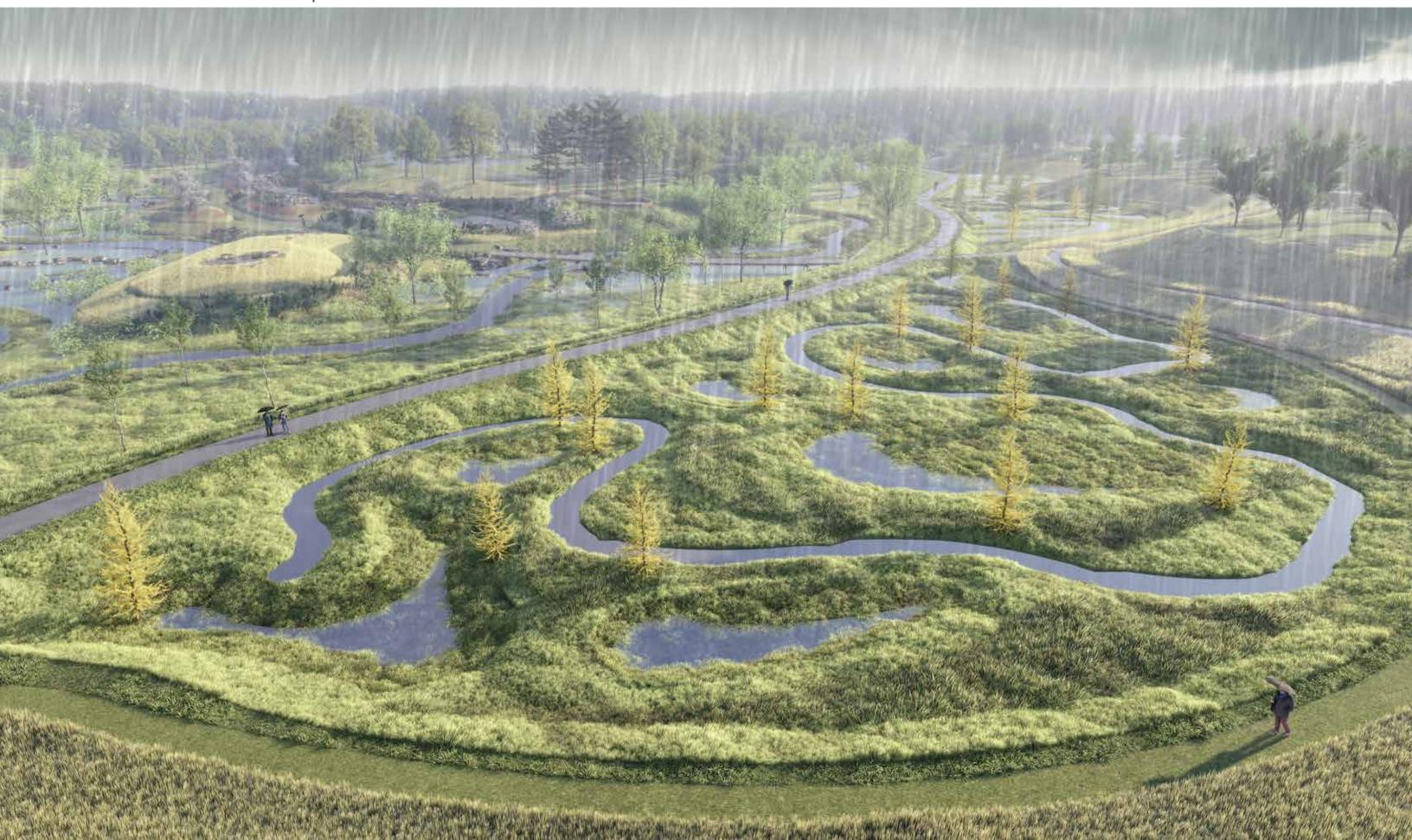




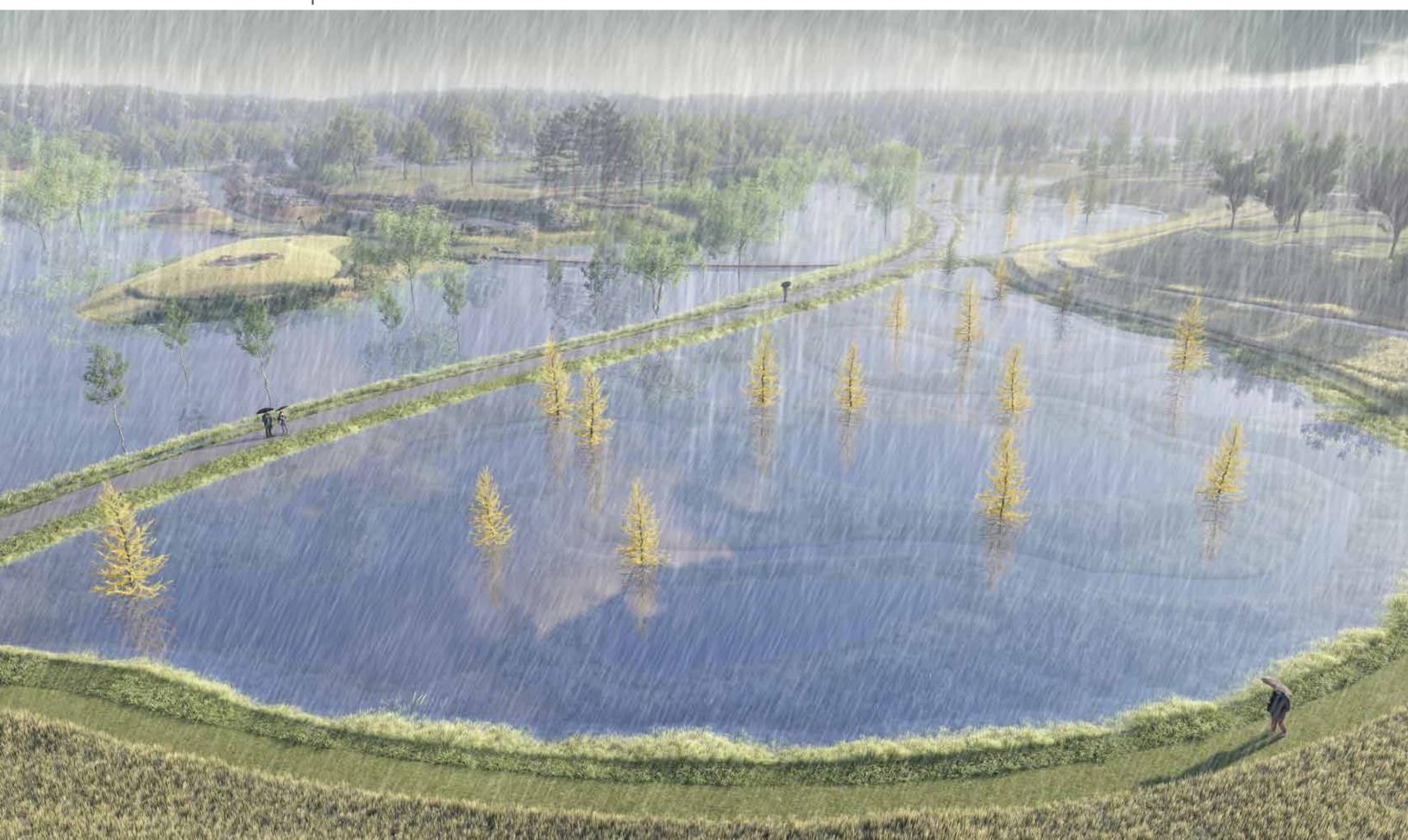
PARK HYDROLOGY | WETLAND FILTERS







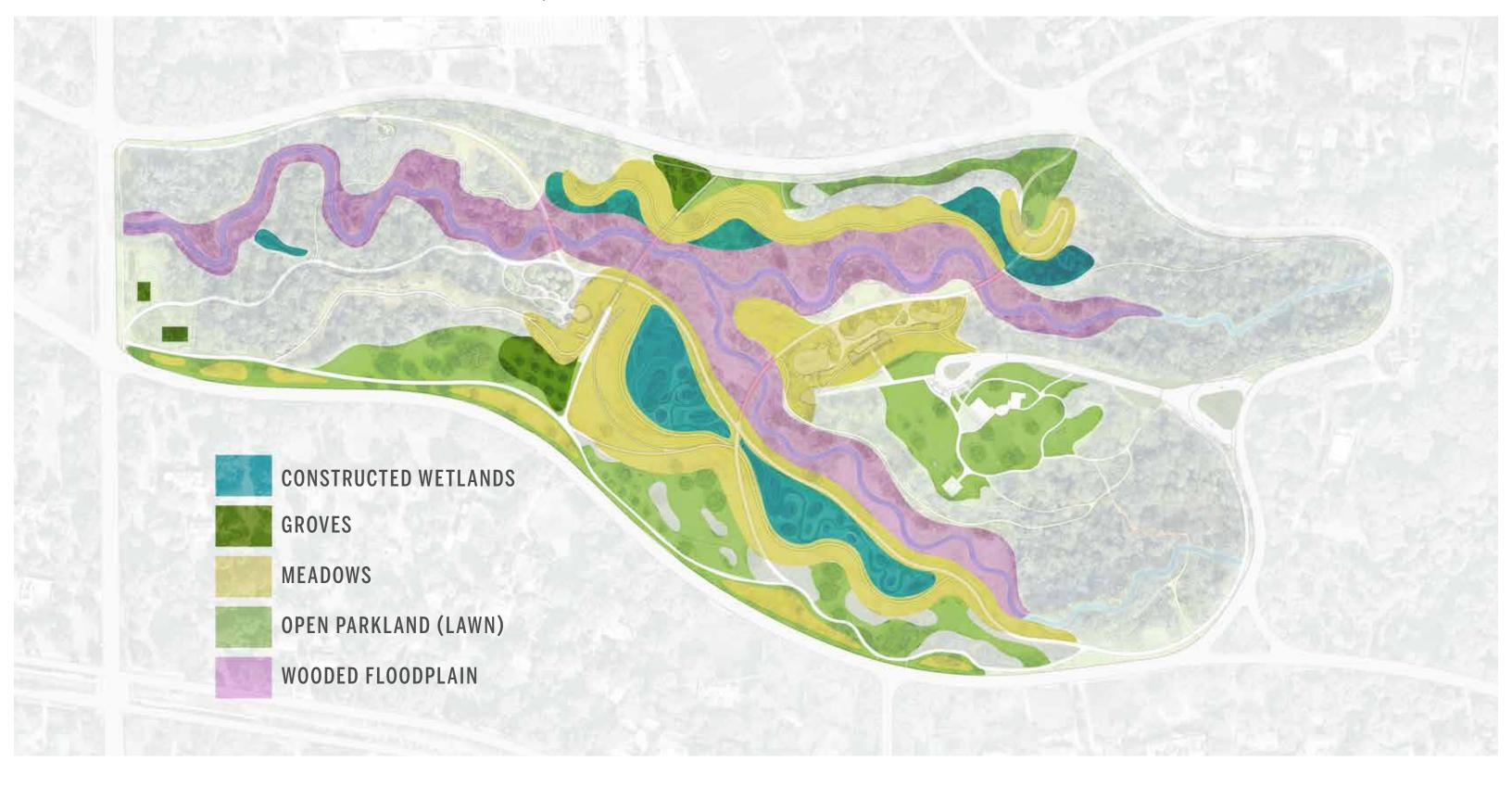




LANDSCAPE INTEGRATION PLAN



LANDSCAPE INTEGRATION PLAN | LANDSCAPE TYPOLOGIES

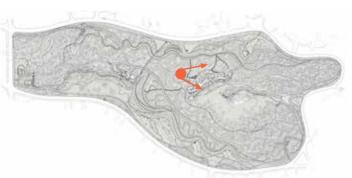


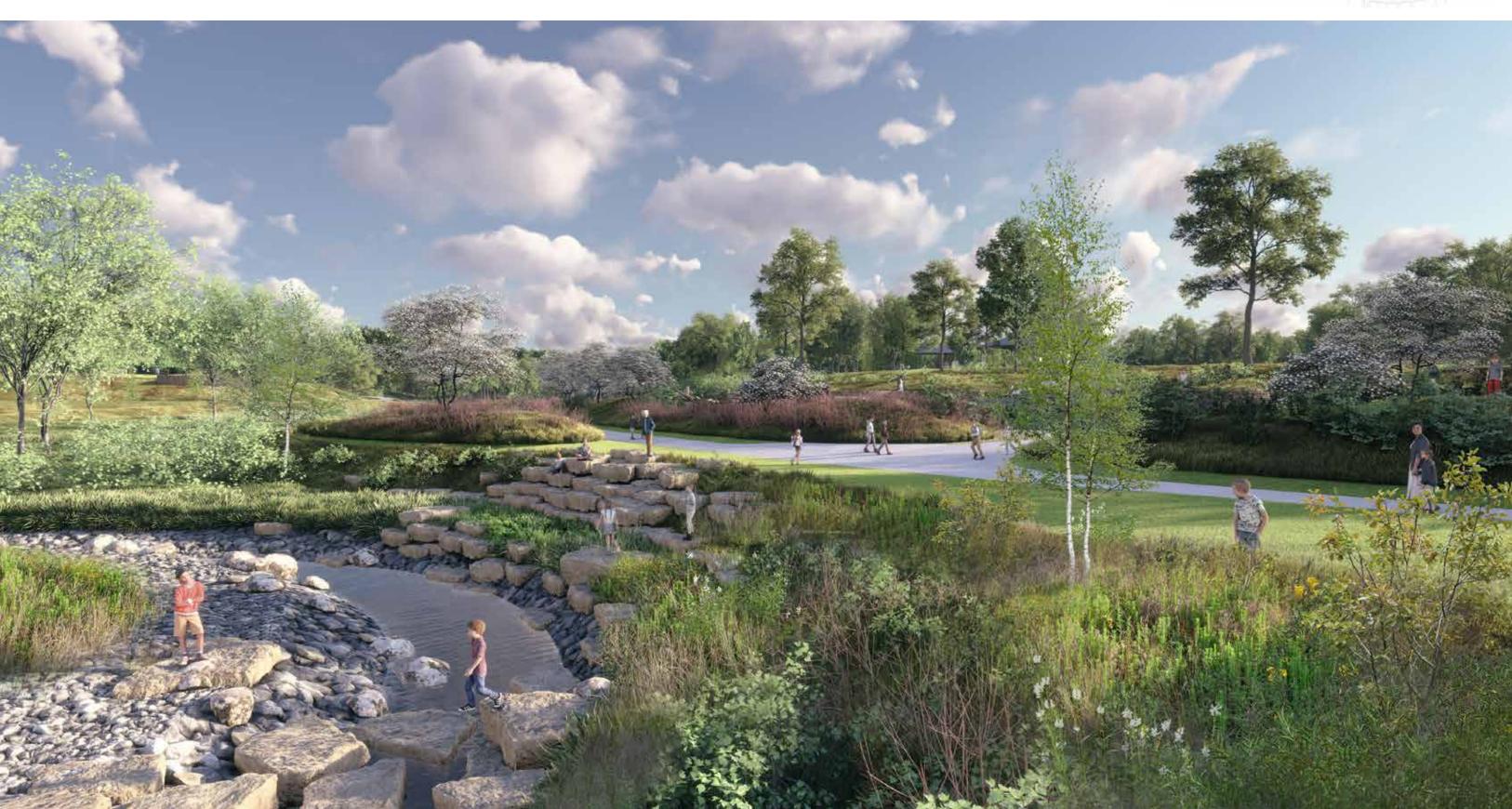
LANDSCAPE INTEGRATION PLAN | RESTORED RIPARIAN CORRIDOR





LANDSCAPE INTEGRATION PLAN | RESTORED RIPARIAN CORRIDOR





LANDSCAPE INTEGRATION PLAN | RESTORED RIPARIAN CORRIDOR: 1-5YR





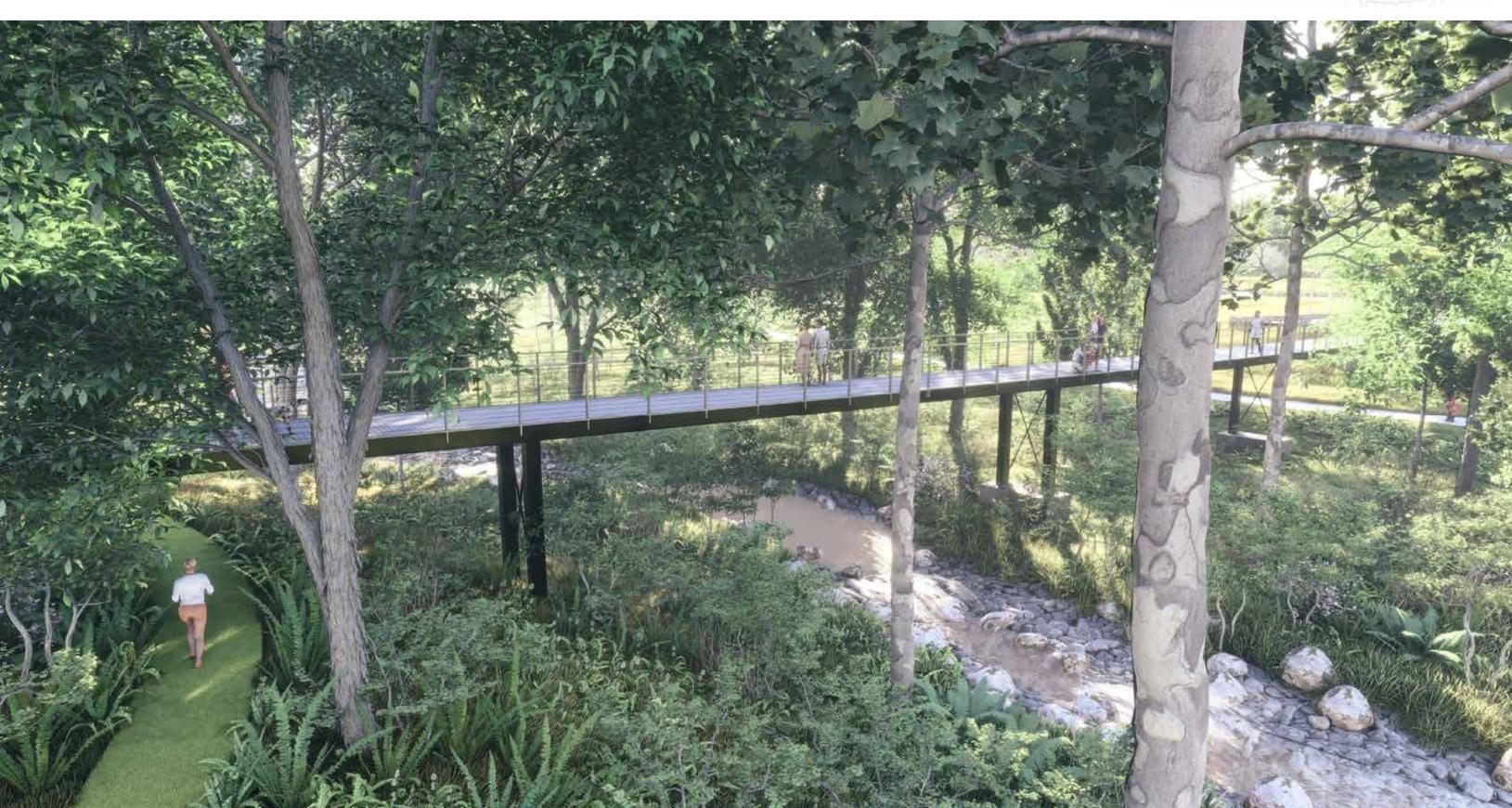
LANDSCAPE INTEGRATION PLAN | RESTORED RIPARIAN CORRIDOR: 20YR



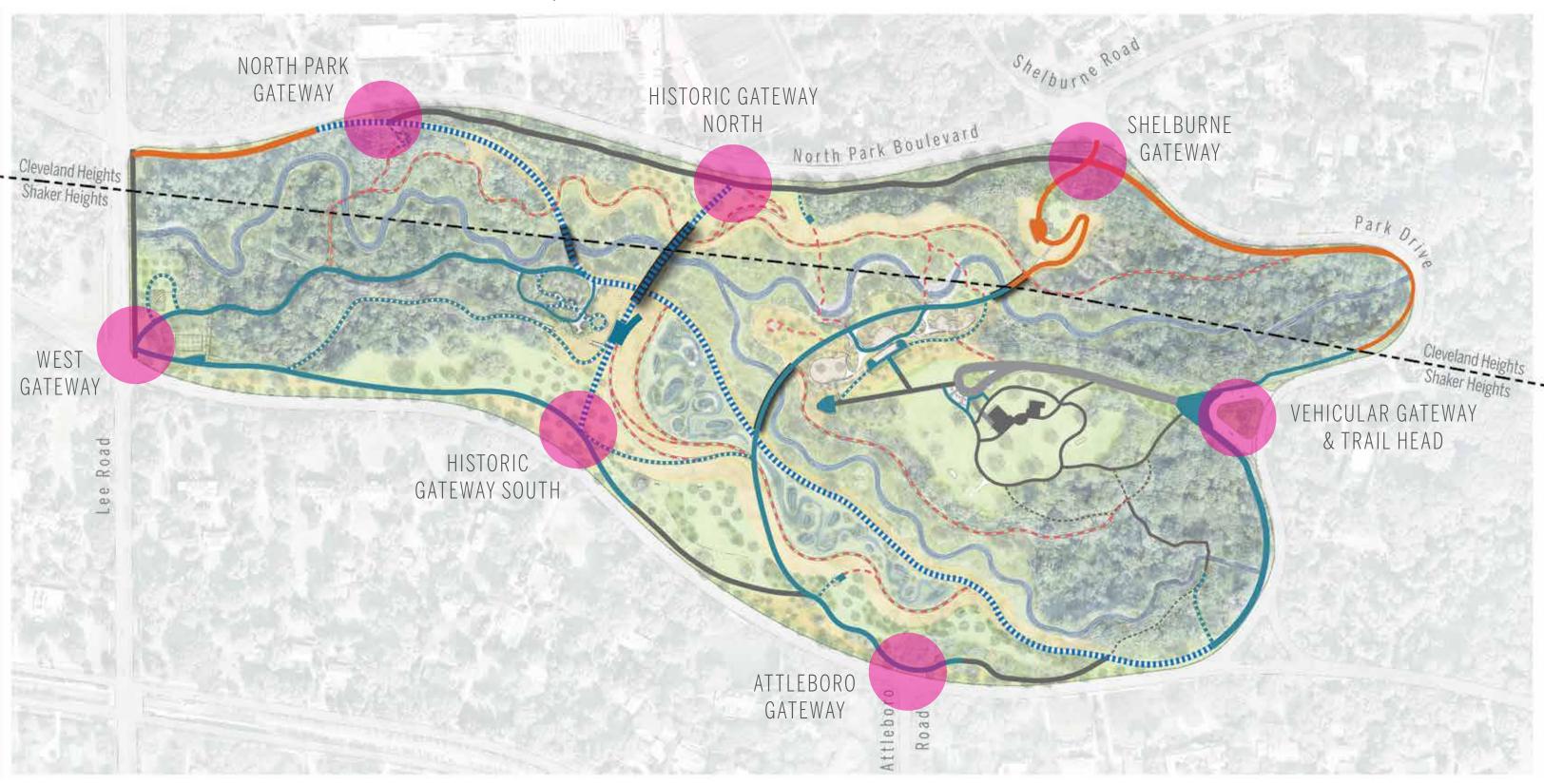


LANDSCAPE INTEGRATION PLAN | RESTORED RIPARIAN CORRIDOR: 40YR





LANDSCAPE INTEGRATION PLAN | POTENTIAL PARK GATEWAYS

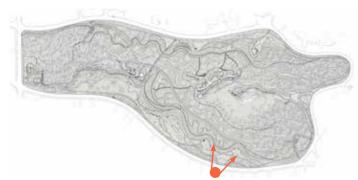


LANDSCAPE INTEGRATION PLAN | PARK GATEWAYS



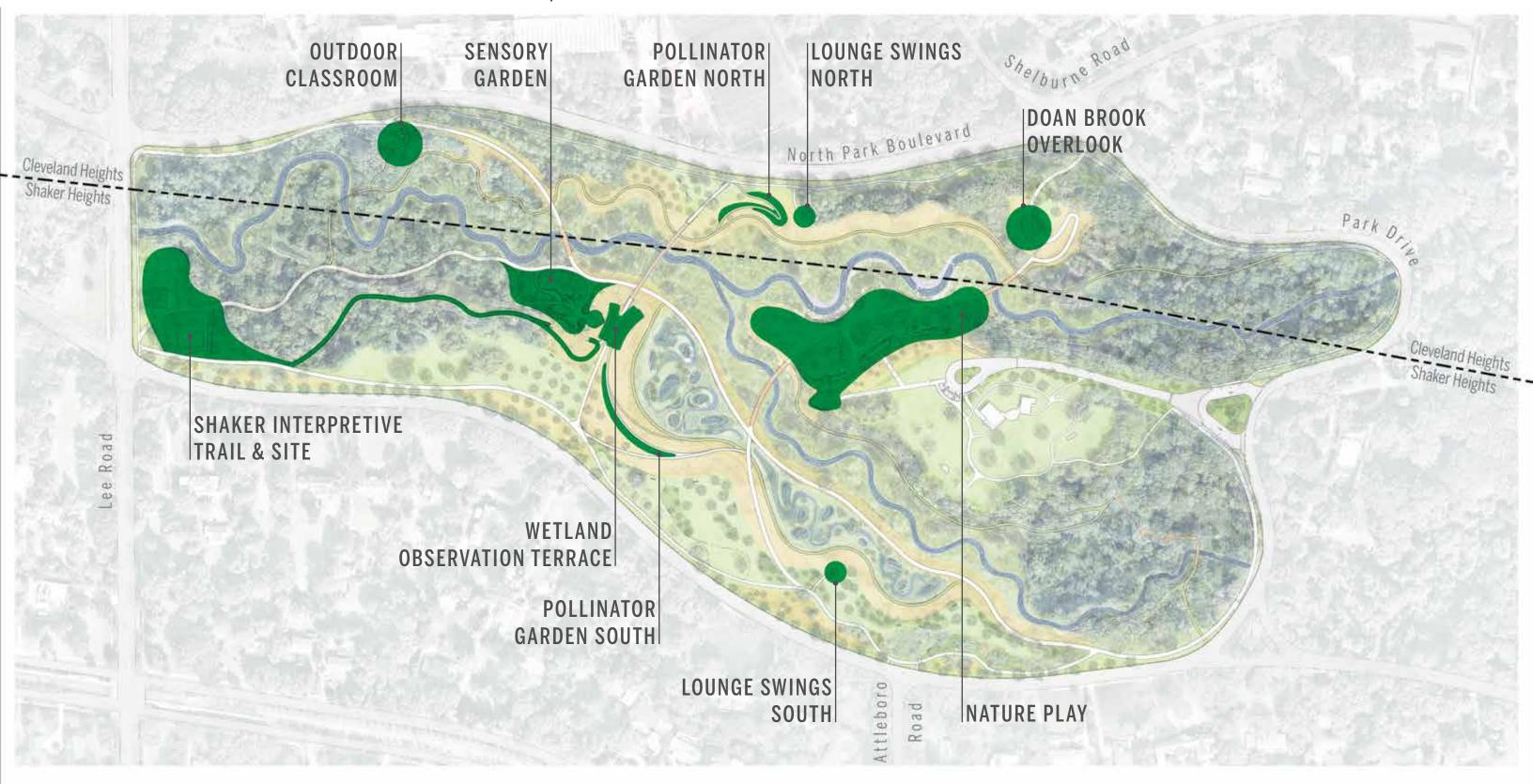


LANDSCAPE INTEGRATION PLAN | PARK GATEWAYS

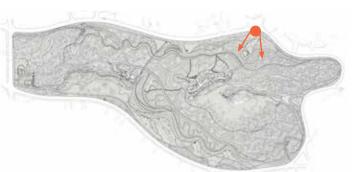




LANDSCAPE INTEGRATION PLAN | POTENTIAL PARK AMENITIES

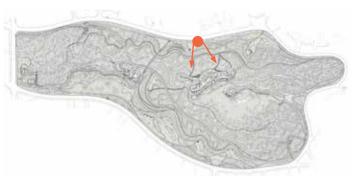


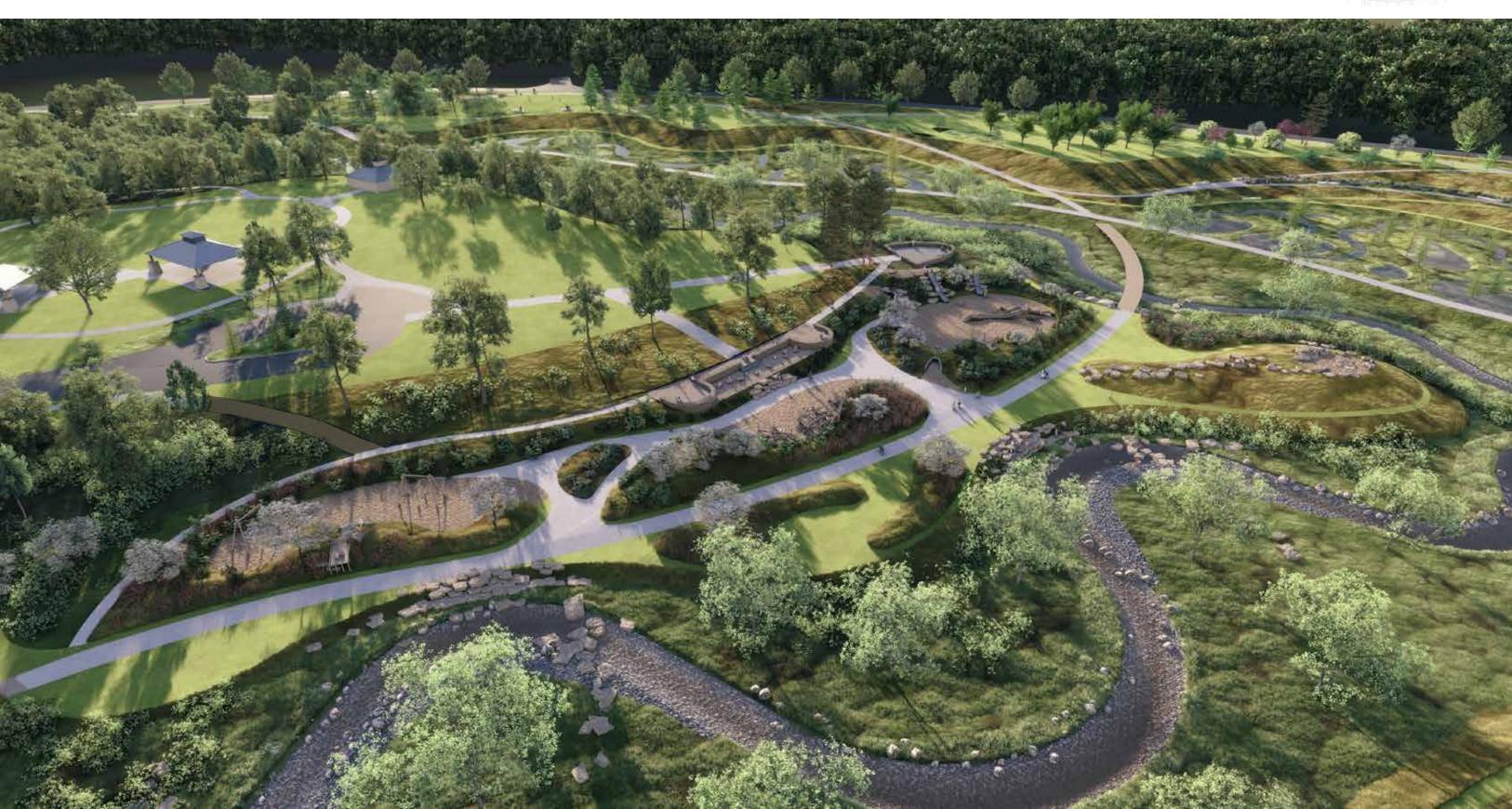
LANDSCAPE INTEGRATION PLAN | SHELBURNE GATEWAY BROOK OVERLOOK





LANDSCAPE INTEGRATION PLAN | NATURE PLAY OVERVIEW



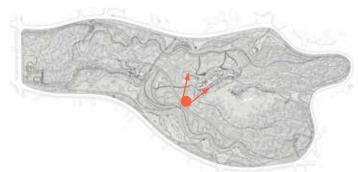


LANDSCAPE INTEGRATION PLAN | RESTORED BEACH AND NATURE PLAY





LANDSCAPE INTEGRATION PLAN | NATURE PLAY





LANDSCAPE INTEGRATION PLAN | HILLSIDE SEATING & POLLINATOR GARDEN





LANDSCAPE INTEGRATION PLAN | WETLAND OBSERVATION TERRACE





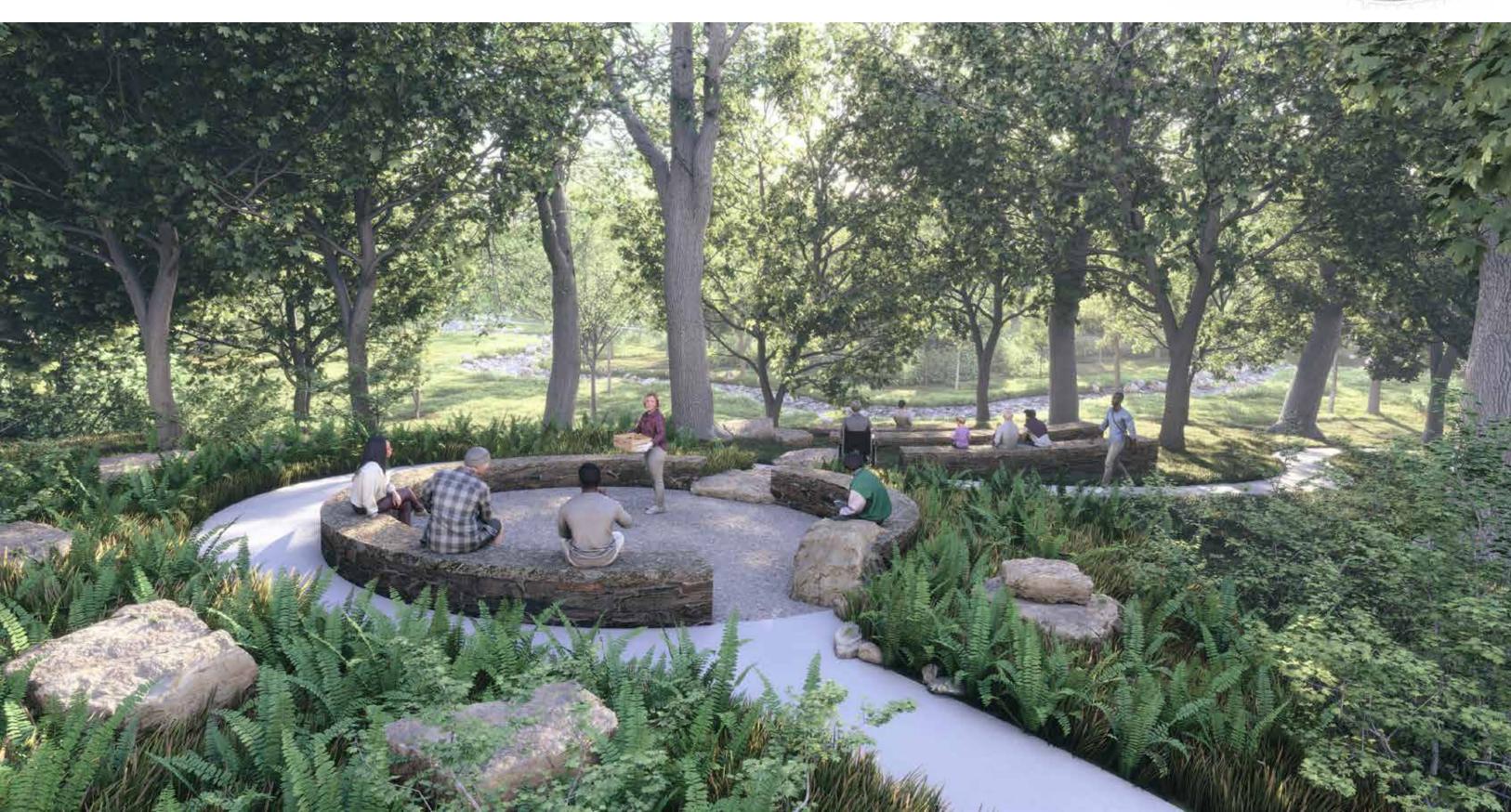
LANDSCAPE INTEGRATION PLAN | SENSORY GARDEN





LANDSCAPE INTEGRATION PLAN | OUTDOOR CLASSROOM





LANDSCAPE INTEGRATION PLAN | SHAKER INTERPRETIVE TRAIL





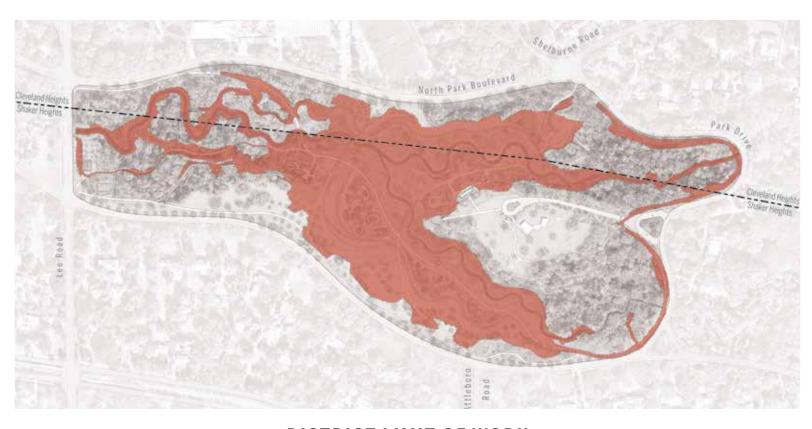
OPINION OF PROBABLE CONSTRUCTION COSTS: DISTRICT | PRE-DESIGN VS. 30% DESIGN

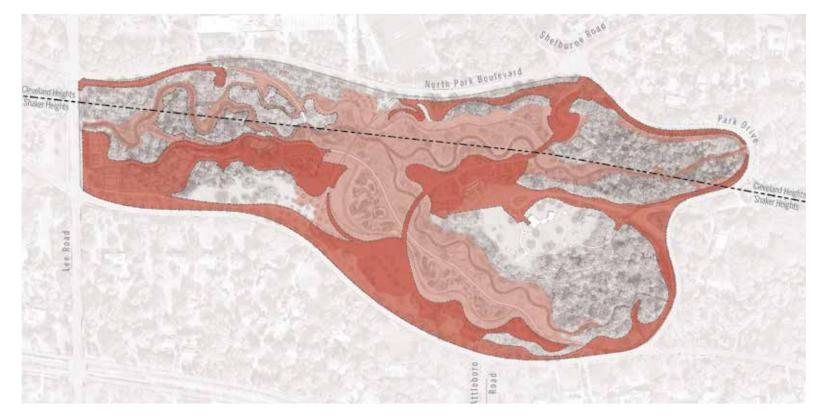
BID ITEM GROUP	PRE-DESIGN		30% DESIGN		CHANGE	
			7/2			
DEMO	\$	460,000	\$	849,800	\$	389,800
EARTHWORK	\$	9,900,000	\$	14,030,000	\$	4,130,000
BANK STABILIZATION / CHANNEL WORK	\$	1,945,000	\$	2,346,500	\$	401,500
EROSION CONTROL	\$	992,000	\$	549,000	\$	(443,000
STORM SEWER	\$	100,000	\$	151,600	\$	51,600
SANITARY SEWER		N/A	\$	250,000	\$	250,000
STRUCTURAL	\$	1,000,000	\$	1,212,000	\$	212,000
ROADWAY / TRAILS	\$	557,000	\$	349,000	\$	(208,000
LANDSCAPING	\$	1,500,000	\$	1,880,000	\$	380,000
CONSTRUCTION ACCESS	\$	1,900,000	\$	1,107,500	\$	(792,500
MISCELLANEOUS	\$	1,545,000	\$	1,798,820	\$	253,820
GROUP SUBTOTALS	\$	19,899,000	\$	24,524,220	\$	4,625,220
CONTINGENCY (30% FOR PRE-DESIGN, 20% NOW)	\$	5,969,700	\$	4,904,844	\$	(1,064,856
GENERAL ALLOWANCE (10% OF GROUP SUBTOTAL)	\$	1,989,900	\$	2,452,422	\$	462,522
SPECIFIC ALLOWANCES	\$	800,000	\$	800,000	\$	-
NEORSD TOTAL	\$	28,658,600	\$	32,681,486	\$	4,022,886

OPINION OF PROBABLE CONSTRUCTION COSTS: CITIES | PRE-DESIGN VS. 30% DESIGN

BID ITEM GROUP	PRE-DESIGN		30% DESIGN		CHANGE	
		A V TO SERVE TO				
DEMO	\$	475,750	\$	172,517	\$	(303,233)
EARTHWORK	\$	1,037,100	\$	-	\$	(1,037,100)
EROSION CONTROL	\$	-	\$	140,000	\$	140,000
ROADWAY / TRAILS	\$	1,525,365	\$	2,279,130	\$	753,765
LANDSCAPING	\$	619,500	\$	1,066,060	\$	446,560
LANDSCAPE INTEGRATION ELEMENTS	\$	1,354,812	\$	1,256,000	\$	(98,812)
HARDSCAPE	\$	560,500	\$	551,628	\$	(8,873)
MISCELLANEOUS	\$	977,842	\$	273,627	\$	(704,215)
GROUP SUBTOTALS	\$	6,550,869	\$	5,738,602	\$	(812,268)
CONTINGENCY (30% FOR PRE-DESIGN, 20% NOW)	\$	1,965,261	\$	1,147,720	\$	(817,540)
GENERAL ALLOWANCE (10% OF GROUP SUBTOTAL)	\$	-	\$	573,860	\$	573,860
CITIES TOTAL	\$	8,516,130	\$	7,460,182	\$	(1,055,948)

OPINION OF PROBABLE CONSTRUCTION COSTS | 30% DESIGN





DISTRICT LIMIT OF WORK +/- 55 ACRES

\$32,681,486

\$594,209 / ACRE \$13.65 / SF

CITIES LIMIT OF WORK +/- 14 ACRES

\$7,460,182

\$532,870 / ACRE \$12.25 / SF

NEXT STEPS

- TUESDAY, JULY 16 PUBLIC FORUM #4 OPEN HOUSE
 - Shaker Heights Public Library (16500 Van Aken Blvd.)
 - No registration required
 - 11am 1pm in the Boulevard & Fernway Rooms
 - 5pm 7pm in the Boulevard & Fernway Rooms
- SPRING 2025 PUBLIC FORUM #5