



FOREST PRESERVE DISTRICT OF DUPAGE COUNTY | **WILLOWBROOK WILDLIFE CENTER**

MASTERPLAN UPDATE PHASE II
11.15.2021

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INTRODUCTION

The Forest Preserve District of DuPage County is a nationally recognized conservation agency that envisions a community in which all citizens share a connection with nature and an appreciation for cultural history. As part of the Forest Preserve District of DuPage County, Willowbrook Wildlife Center provides native wildlife rehabilitation services to care for injured, sick, or orphaned wild animals. Historically Willowbrook Wildlife Center has been a pioneer in the field of wildlife medicine and strives to become a state-of-the-art facility that is a national leader in engaging visitors in veterinary science, medical care, and wildlife rehabilitation.

Willowbrook Wildlife Center serves as a resource for residents of DuPage County to learn about living in harmony with local wildlife and champions the interconnection between healthy wildlife and healthy ecosystems to foster and promote safe, healthy, and sustainable communities for all living things in DuPage County and beyond.

The new Phase 2 Campus Improvements include a new approximately 27,500 SF Clinic and Visitor Center designed to support an efficient and safe rehabilitation process, a variety of Outdoor Rehabilitation Enclosures grossing approximately 28,400 SF to prepare animals for release into the

wild, and a renovated 5,400 SF Research and Species Propagation Center to support the captive propagation of at-risk species and research projects that will advance wildlife medicine and rehabilitation.

Designed to fit into the natural landscape, the Clinic and Visitor Center is planned around significant oak and walnut trees on the property. The front entrance features an oak tree that forms a soft separation between the animal intake entry and public visitor entry. Low slope roofs with long horizontal edges provide a low profile to the building while vertical and horizontal textures blend the building into the surrounding trees and grasses. Layers of structure and extended canopies help the profile of the architecture visually dissolve into the forest. Elements of sustainability and wellness are incorporated into the project in addition to features that support healthy wildlife such as bird-friendly glass and screening elements.

INTRODUCTION
PROJECT UNDERSTANDING



1. Over the next 10 years, Willowbrook will transition away from having a collection of non-releasable animals to focusing on rehabilitation and reintroduction into the wild.
2. To improve the safety and conditions of the facilities for the rehabilitation and restoration of animals and animal species.
3. To improve safety and efficiency of facilities and work environment for Willowbrook staff and volunteers.
4. To improve the ability of the facilities to engage and immerse the public in the wildlife rehabilitation processes and ecosystem environments to foster a greater appreciation for the native species, animal habitats, ecosystem functions and the interconnectivity of natural systems.
5. To make the facility more sustainable and energy efficient.
6. To support the captive propagation of at-risk species and research projects that will advance wildlife medicine and wildlife rehabilitation.

INTRODUCTION TOUR SUMMARY



General Notes and Primary Take-aways:

Both the Wildlife Rehabilitation Center of Minnesota and the University of Minnesota Raptor Center are nationally recognized for their rehabilitation of wildlife and education of the wildlife community. These guided behind the scene tours provided invaluable insight into how these notable facilities function, what is working well, and what elements of the facility they recommend to improve. This knowledge was passed to both the Willowbrook Wildlife staff so they have a better sense for how they can improve their internal process in the new facility and the designers from Wight and Company for what ideal conditions should be when designing and detailing the spaces.

What:

In-person guided tours of notable wildlife and rehabilitation centers

Where:

Wildlife Rehabilitation Center of Minnesota and University of Minnesota Raptor Center



Wildlife Rehabilitation Center of Minnesota:
2530 Dale St N,
Roseville, MN 55113



The Raptor Center at the University of Minnesota:
1920 Fitch Ave,
St Paul, MN 55108

When:

May 19, 2021 from 2-4pm: University of Minnesota Raptor Center
May 20, 2021 from 7-10:30am: Wildlife Rehabilitation Center of Minnesota

Who:

Participants include:

DuPage Forest Preserve:
Sarah Reich - Head Veterinarian
Rose Augustine - Process Improvement Coord
Karen Gray - Landscape Architect Supervisor

Wight & Company:
Scott Steffes - Project Manager
Danielle Appello - Lead Designer

University of Minnesota Raptor Center:
Dr. Victoria Hall - Executive Director
Lori Arent - Assistant Director
Gail Buhl - Program Director

Wildlife Rehabilitation Center of Minnesota:
Dr. Renee Schott - Medical Director



INTRODUCTION PUBLIC ENGAGEMENT



Summary of Public Engagement:

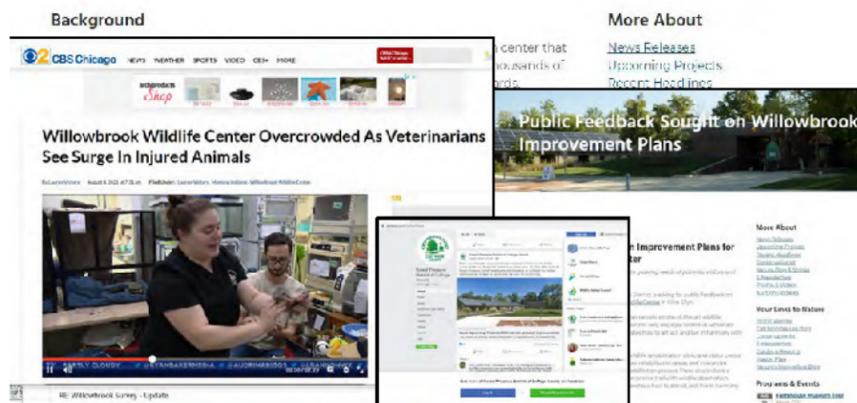
Public engagement was initiated with the creation of a project website, comment form and survey that questioned the various aspects of the proposed projects program to determine what components and features were most important and provide background information on the project.

Several press releases and information blasts on social media were coordinated to solicit feedback, along with a banner that was placed in the preserve along Park Boulevard. Additionally, news media covered the project through CBS2 and the Daily Herald newspaper. The result was over 481 responses from 460 people with a wealth of diverse feedback on the project.

- Project website, comment form, and survey
- Social media - Facebook and Twitter
- Press releases
- CBS2 and Daily Herald news coverage
- Preserve banner
- 4 Public Input Meetings
- Direct email to over 300 stakeholders that have used Willowbrook Wildlife Center's services in the past that included public agencies, wildlife rehabilitators, police departments and animal control agencies.

Timeline of Events:

- May 25-Project website and social media. (37 responses received)
- June 1-Public survey released (358 responses received)
- July 20-Stakeholder meeting via Zoom with volunteers and donors. (14 people attended)
- July 29-General public input meeting via Zoom (6 people attended)
- July 31-General public input meeting in person at Willowbrook (38 people attended)
- August 10-General public input meeting in person at Danada HQ. (7 people attended)





Feedback Quick Summary:

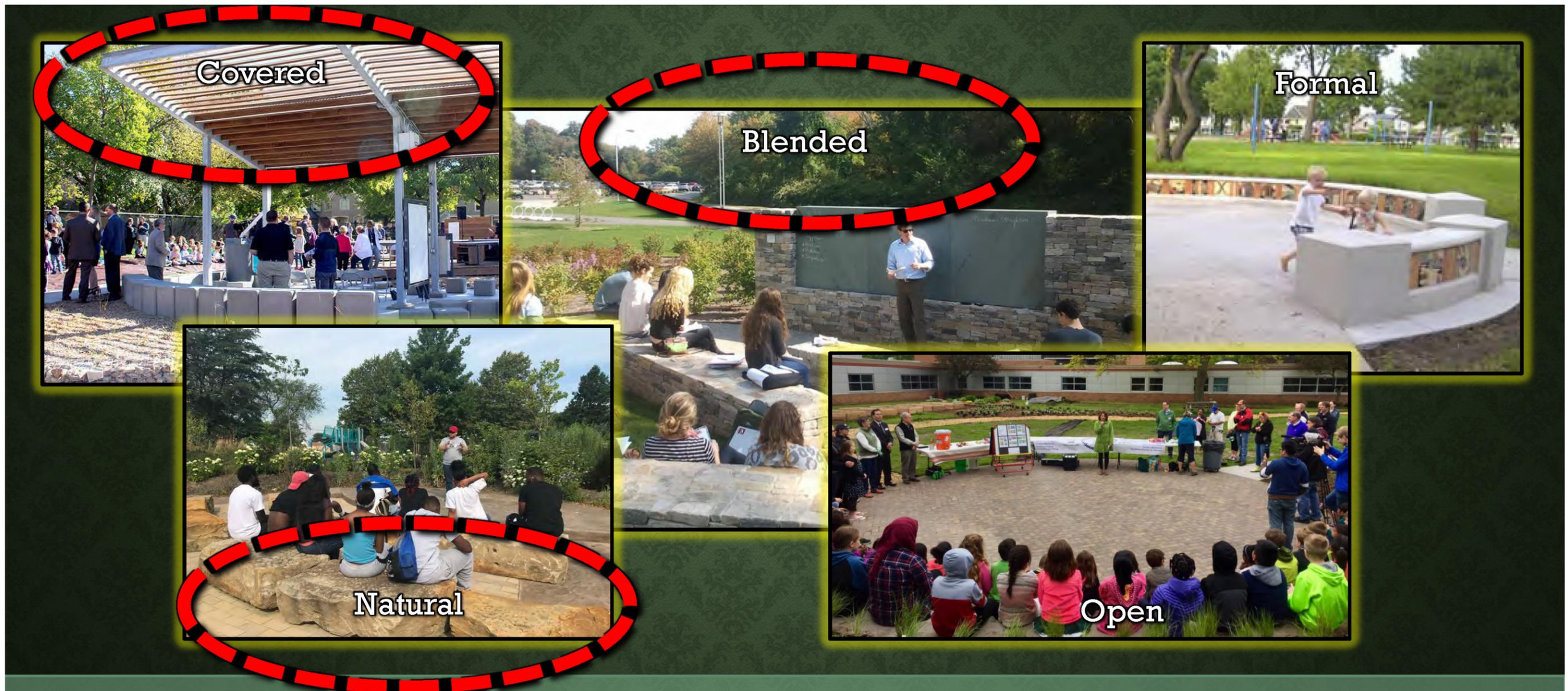
- Focus on wildlife rehabilitation, stick to mission, improve facilities for treatment.
- Emphasize education in the district's plan for Willowbrook including interconnection between people, animals and healthy ecosystems.
- Important for public to see animals up close.
- Do not increase storm-water runoff.
- Do not increase traffic or add new access from east.
- Do not disturb peace and quiet of community.
- Do not raise taxes to support the project.
- Over 40% of visitors go to Willowbrook 4 or more times per year. 50% go one or more times annually.
- Over 54% of respondents feel rehabilitation of wildlife and reintroduction into nature is the most important thing that Willowbrook should do to support the District's mission and 76% feel it is the most important thing for the Willowbrook Wildlife Center's mission.
- Education and public outreach should be a priority.
- Increased educational opportunities is important: How to spot and identify wildlife, known when wildlife needs help, and how to avoid negative conflicts were of most interest.
- Making rehabilitation process transparent is desired.
- People want to see wildlife in their natural habitats. Wildlife observation areas and interpretive trails and use of live video feed wildlife cameras were extremely positive.
- Concerns with treatment of common and nuisance species, humane treatment of animals turned away due to capacity.
- Concern raised about spending money on rehabilitating out of county wildlife. Consider fees.
- Priority amenities: Interpretive trails, wildlife observation areas, non-traditional animal exhibits, accessible restored natural areas, educational youth programs and exhibits showing entire rehabilitation process.
- Priority sustainability features: Use of native landscaping, rainwater harvesting, renewable materials, storm-water management BMP's, and renewable energy sources.





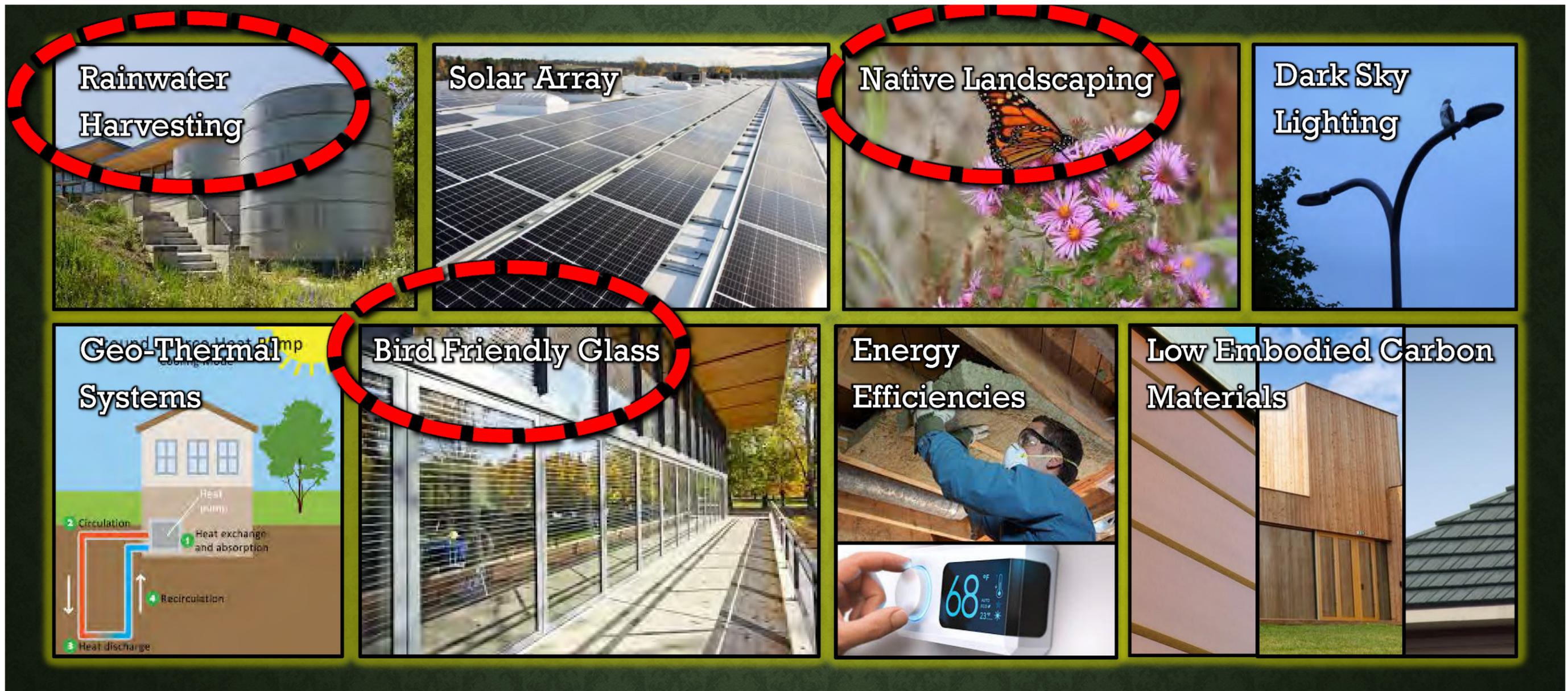
Indoor Rehabilitation Comments:

- Making the process of rehabilitation transparent is most desired.
- People are excited to see the behind the scenes process and know what happens after an animal is dropped off.
- The public desires to see animals up close in some manner.



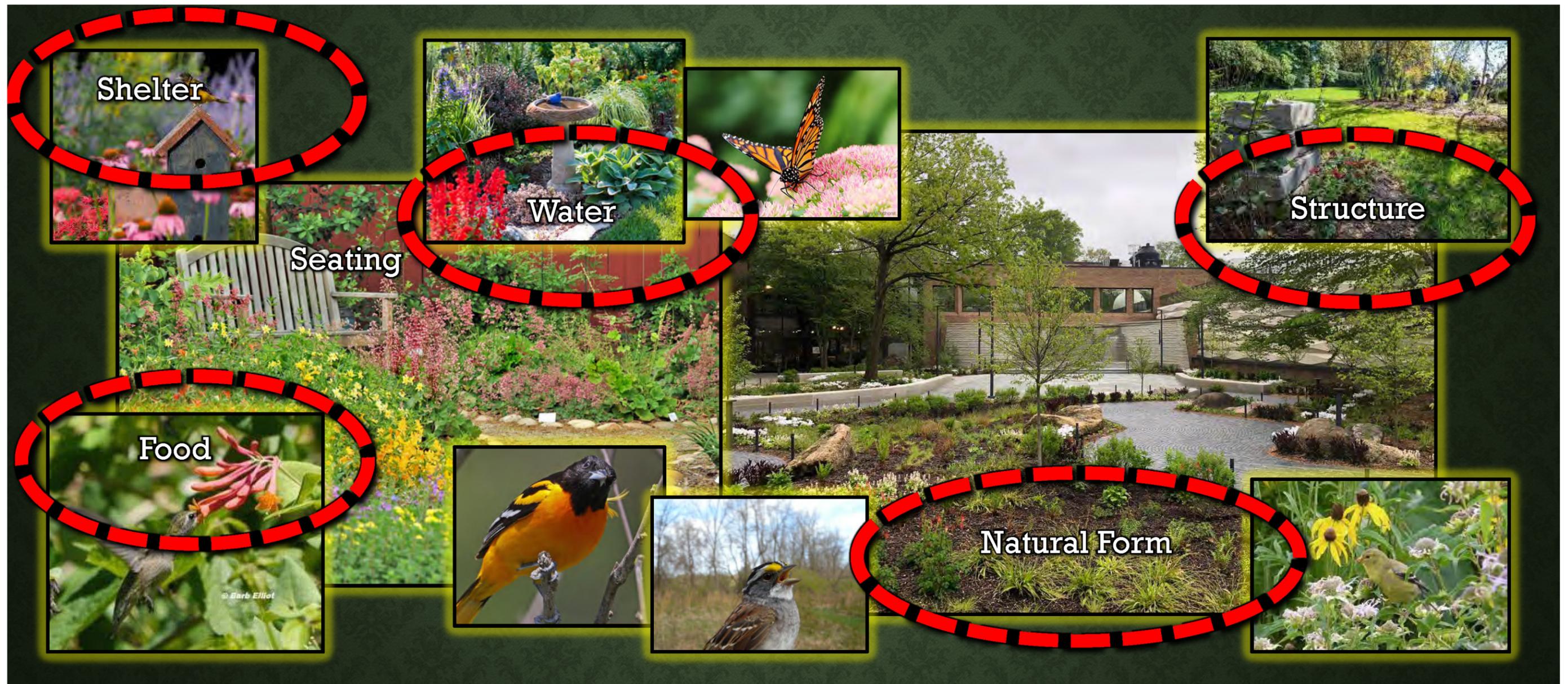
Outdoor Classroom Comments:

- Education was very important to most people and were most excited about the opportunities to learn about when it was appropriate to take action to help wildlife, how to avoid negative impacts between humans and wildlife, and really immerse themselves into the art and science behind wildlife rehabilitation and engaging all ages of people from children to older adults in the process
- The outdoor classroom was well received and public felt it would be a great addition for programming for rehabilitators, school groups, and nature programming.
- A blended combination or open and formal space is desired with natural features with some sort of cover for shade.



Sustainability Features Comments:

- Native Landscaping was the number one feature that the public wanted to see. Native landscaping naturally supports wildlife and pollinators.
- Rainwater Harvesting was the second most popular feature. Willowbrook uses over 1 million gallons of metered water each year to hose down enclosures and fill and clean ponds.
- Bird Friendly glass was also a popular feature of interest that can help educate the public on the issue of bird strikes and buildings.



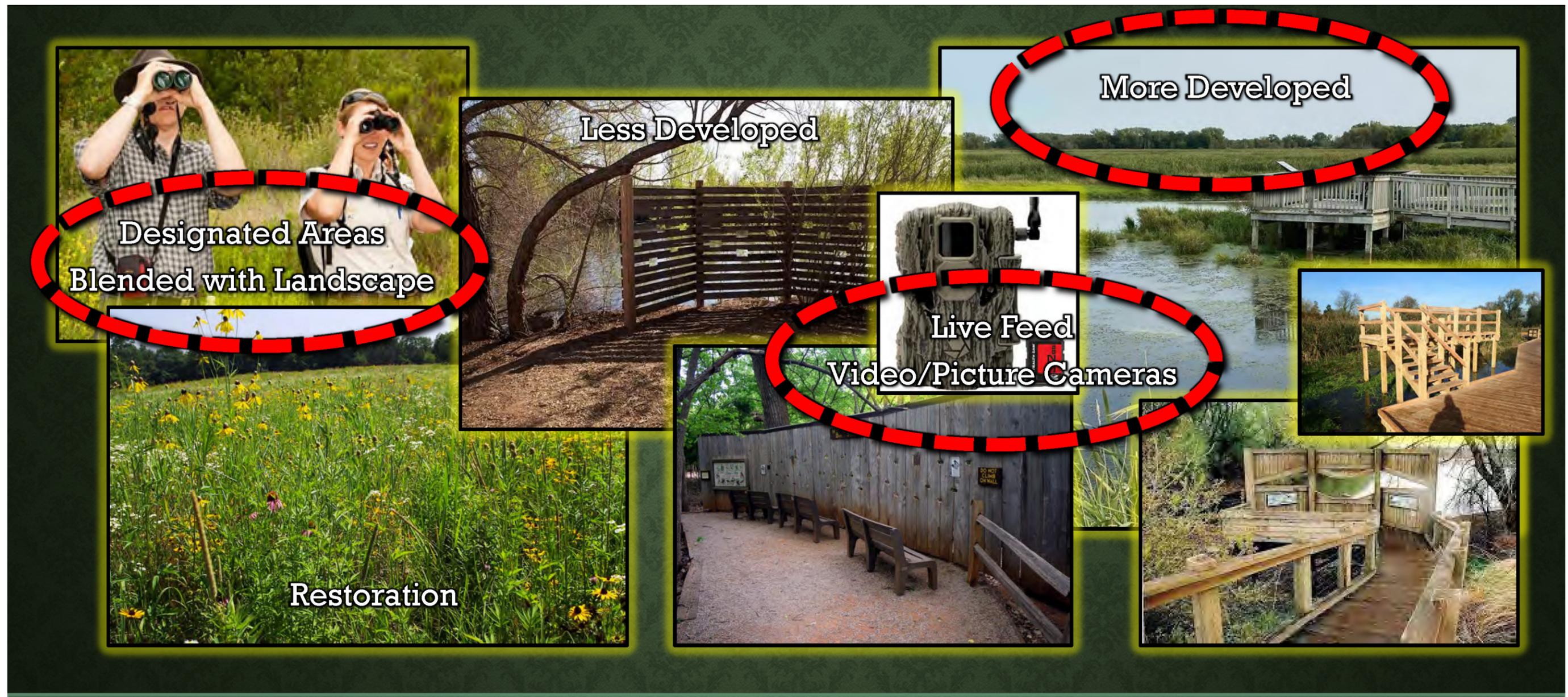
Wildlife Garden & Plaza Comments:

- Have a natural form, blend into the surroundings.
- Elements to support wildlife like food, shelter, water and structure should be included.



Interpretive Trail Comments:

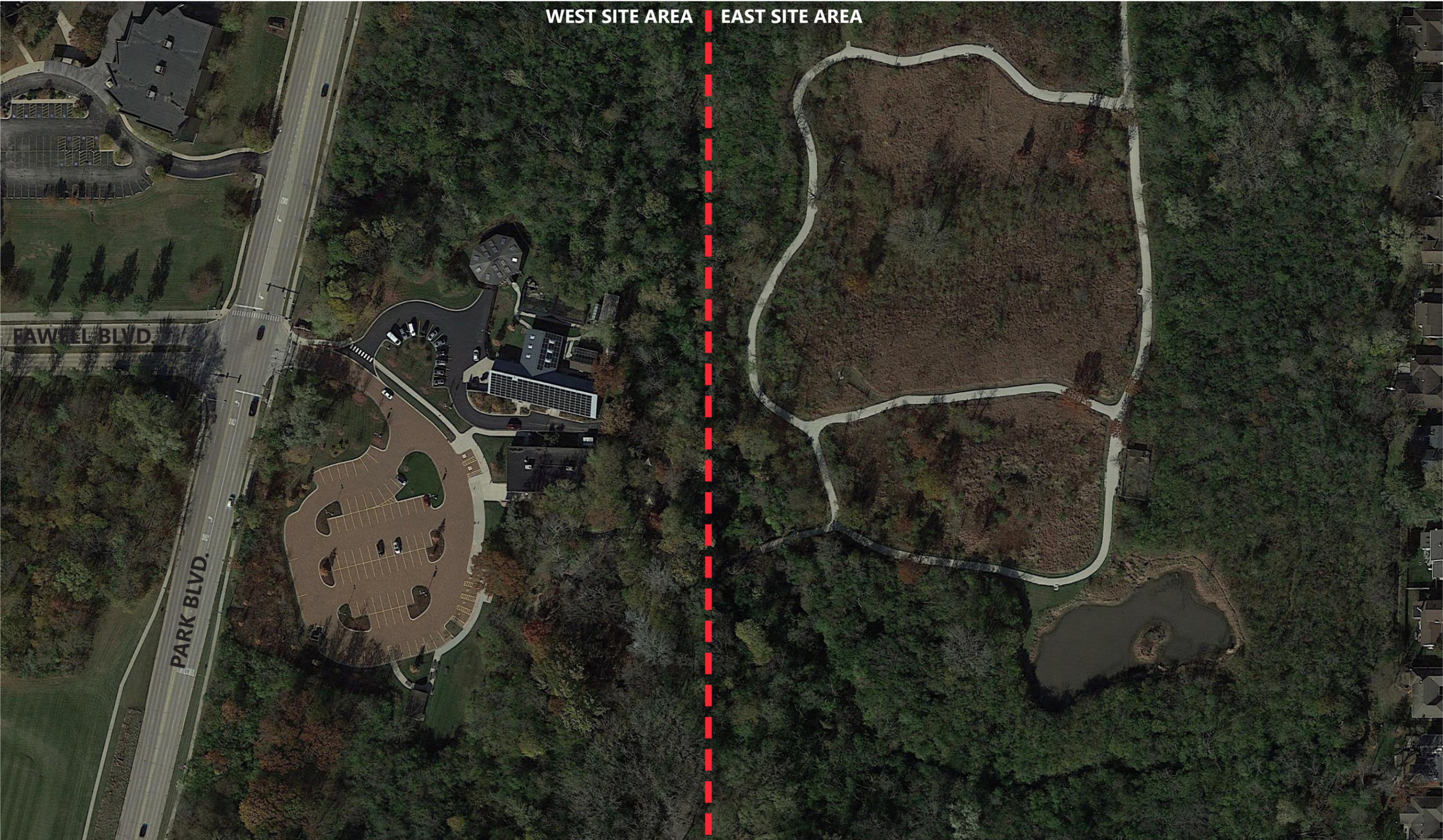
- Restore the marsh and stream.
- Incorporate signs to identify wildlife, how to spot wildlife, and how to create healthy ecosystems.
- Generally the existing trails are well-liked and minor adjustments were desired.



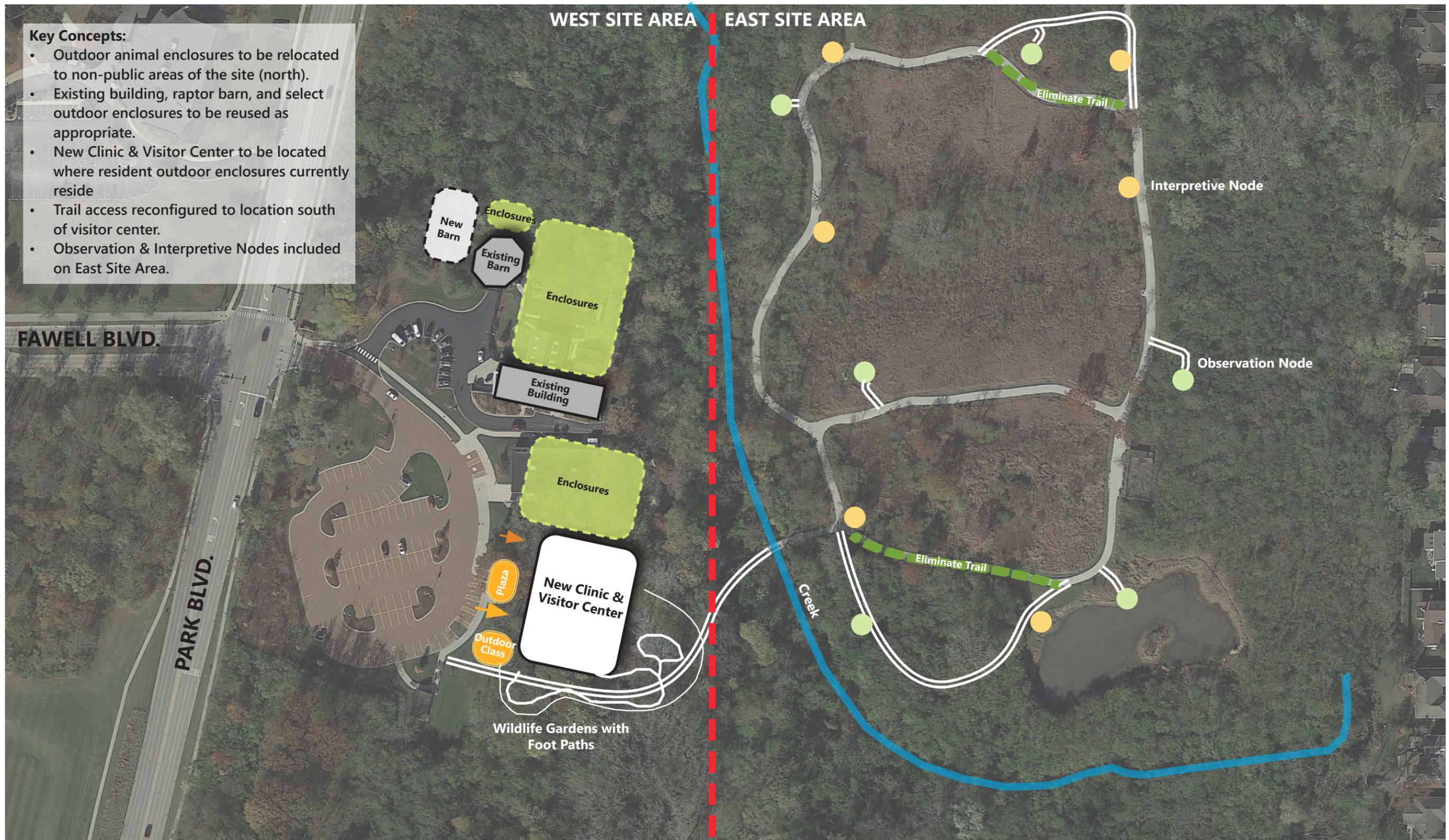
Wildlife Observations Areas Comments:

- Observation Areas received many comments in the survey and in-person meetings.
- Areas should blend into the landscape but incorporate a more developed structure/platform area near the marsh.
- Wildlife cameras to live-stream observation areas were desirable.
- Less developed viewing blinds were not popular.

SITE MASTERPLAN



SITE MASTERPLAN MASTER SITE PLAN-OVERALL

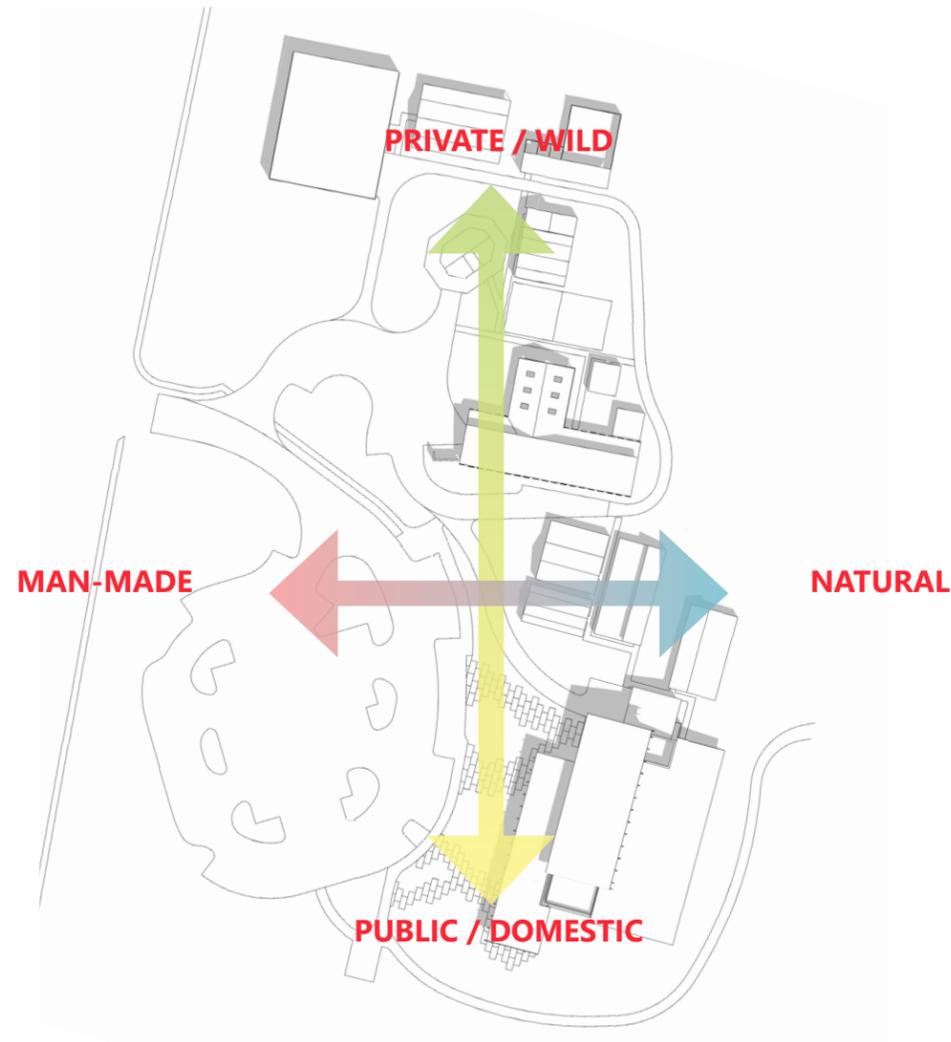


SITE MASTERPLAN MASTER SITE PLAN-WEST

- (A) Clinic and Visitor Center
- (B) Entry Plaza
- (C) Outdoor Learning
- (D) Outdoor Rehabilitation & Isolation Runs
- (E) Wildlife Gardens with Foot Paths
- (F) Native Buffer Garden
- (G) Reconfigured Interpretive Trail
- (H) Service Drive
- (I) Song Bird Housing (Including Resident)
- (J) Day Duck and Aquatic Mammal Ponds Enclosure
- (K) Large Waterfowl Enclosure
- (L) Large Carnivore Enclosure
- (M) Large Carnivore Transitional Enclosure
- (N) Existing Species Propagation Building
- (O) Turtle Enclosure
- (P) Existing Mammal Enclosure
- (Q) Resident Carnivore Enclosure
- (R) Existing Enclosure
- (S) Small Carnivore Transitional Enclosure
- (T) Existing Raptor Barn
- (U) Raptor Flight & Raptor Transitional Barn
- (V) Resident Raptor Outdoor/Indoor Enclosure
- (W) Resident Raptor Outdoor Enclosure
- (X) Expanded Rescue Parking
- (Y) Existing Staff Parking
- (Z) Existing Visitor / Staff Parking
- (1) Existing Shelter
- (2) Fencing w/ Gates
- (3) Native Landscape / BMPs
- (4) Wetland
- (5) Glen Crest Creek



1. A CONTINUUM OF EXPERIENCES FOR ALL INHABITANTS



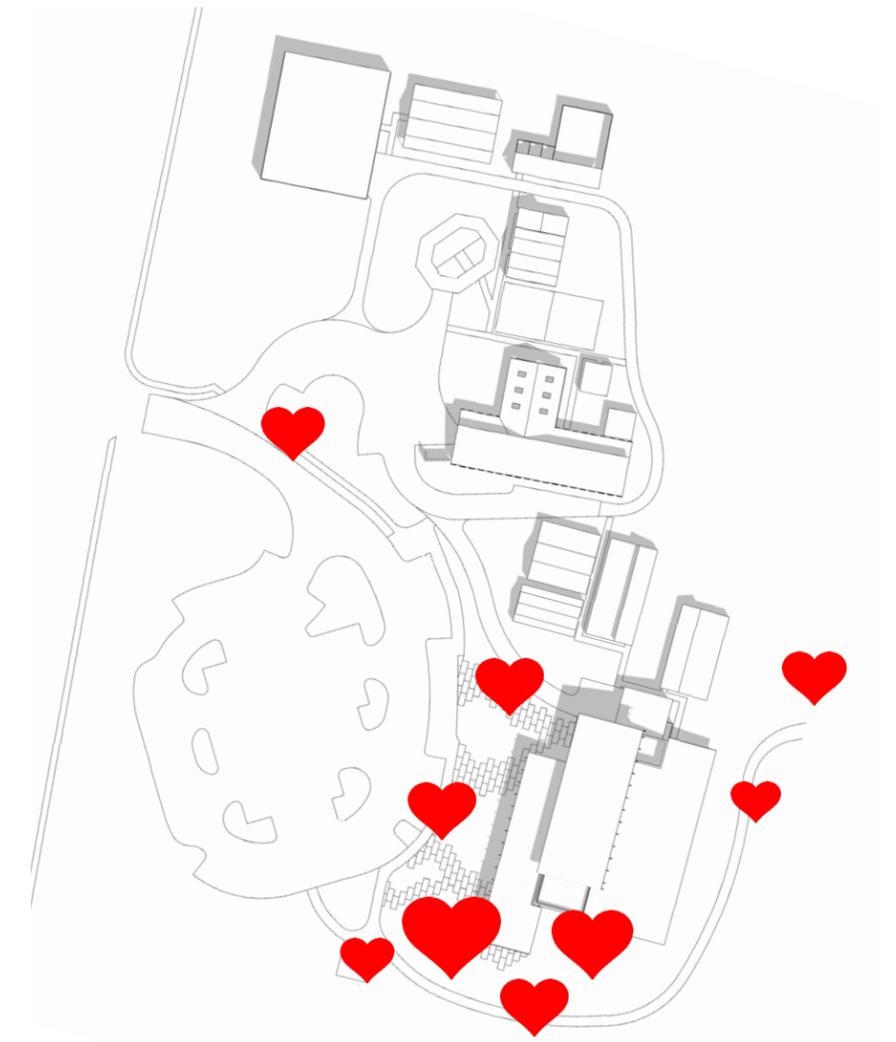
The layout of the facility should blur interior environment with the outdoors to allow inhabitants to experience and connect with nature. As animals move through the facility they can gradually work their way towards autonomy to survive independently in the wild.

2. SUPPORTING SUSTAINABILITY



From the orientation of the site components and the careful consideration of the site conditions to the engineering of each element, the new facility should embrace sustainability and act as a leader in the field of sustainable development.

3. ENGAGE AND INSPIRE HARMONY WITH OUR ECOSYSTEM

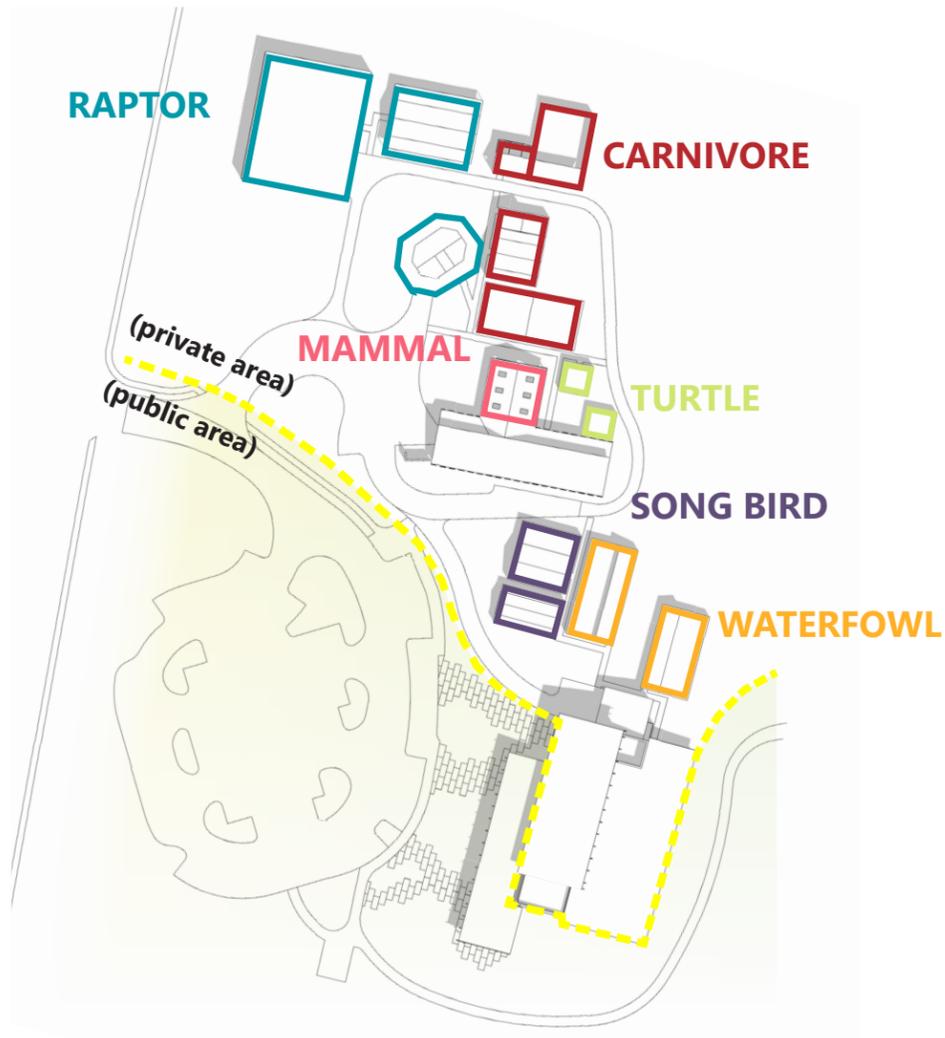


Create an atmosphere that inspires the public and staff to live in harmony within our ecosystem and act as good stewards of our environment.

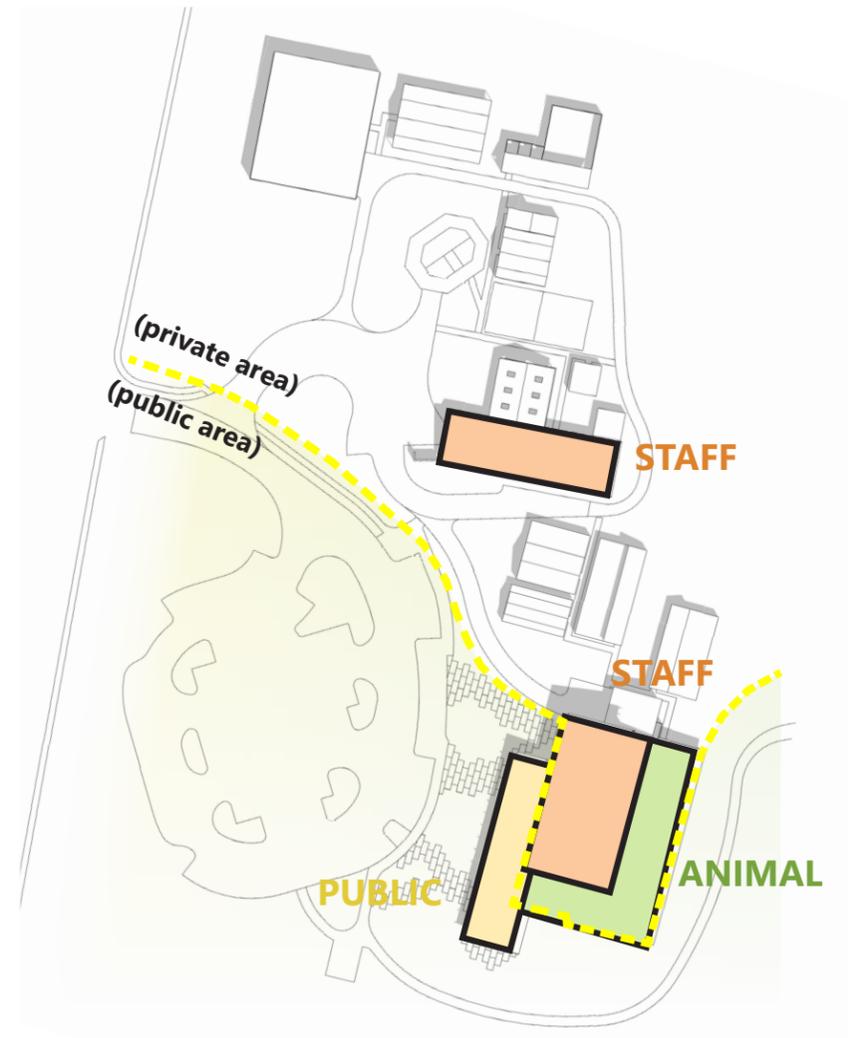
1. OUTDOOR PROGRAM ORGANIZATION

2. INDOOR PROGRAM ORGANIZATION

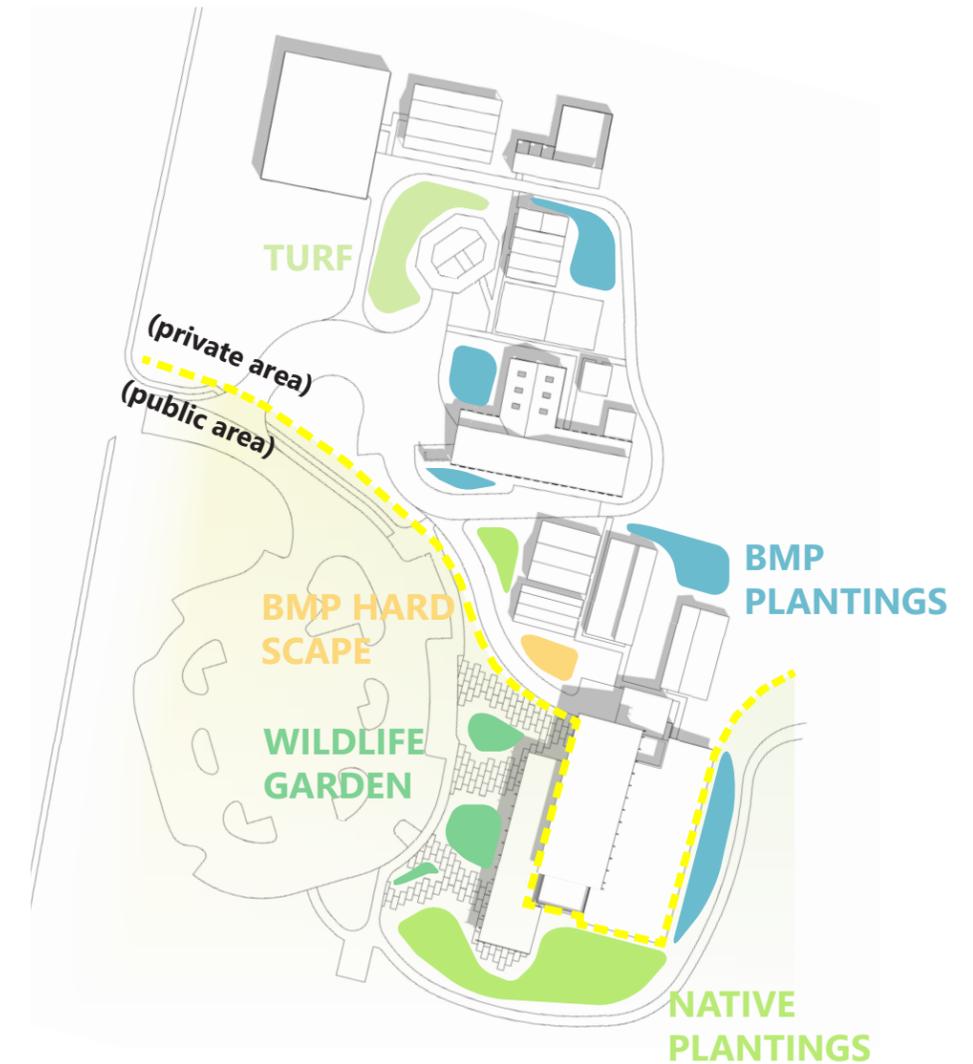
3. LANDSCAPE ORGANIZATION



Animal enclosures will be grouped by species with thought given to the maintenance and operations of caring for each group of animals in order to support efficient operations.

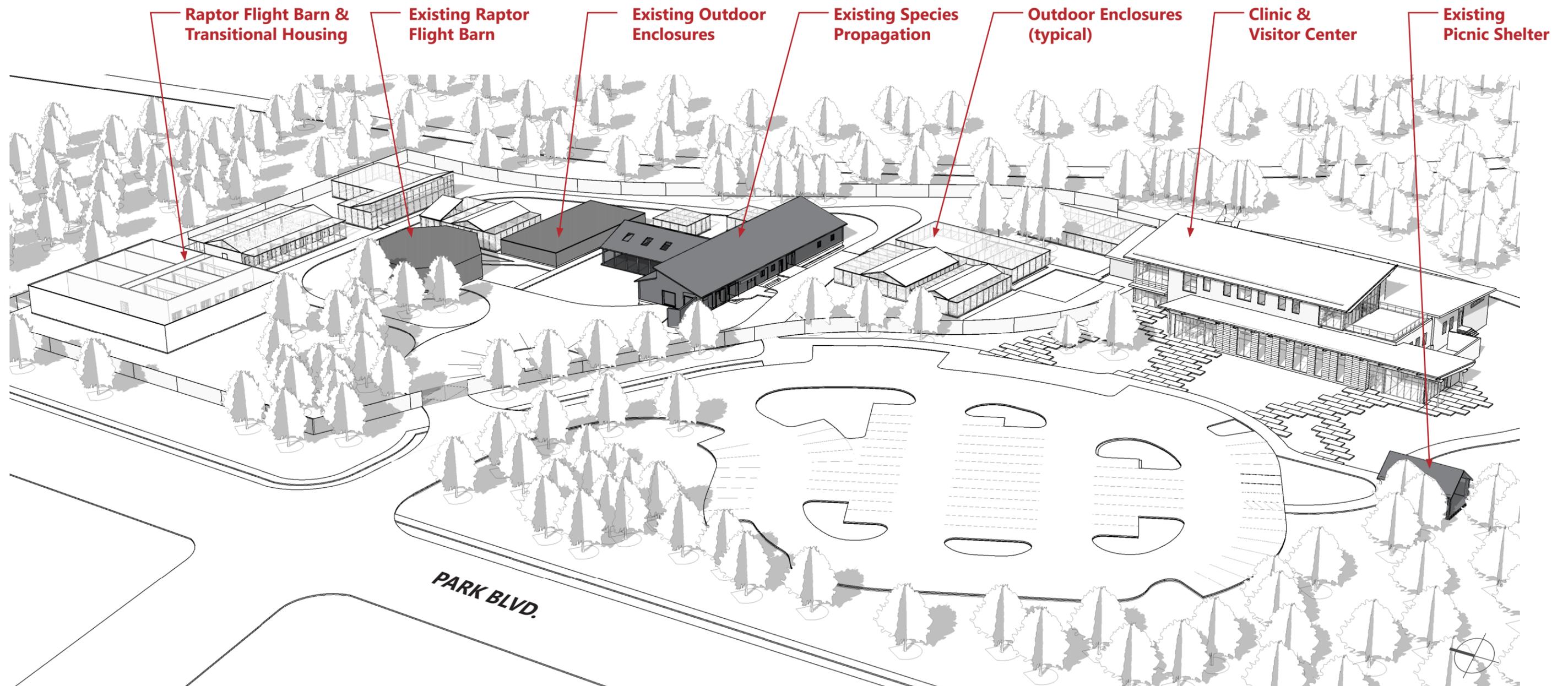


The public will have access to the parking lot, trails, and visitor center, while animal areas will have privacy and access by staff only.



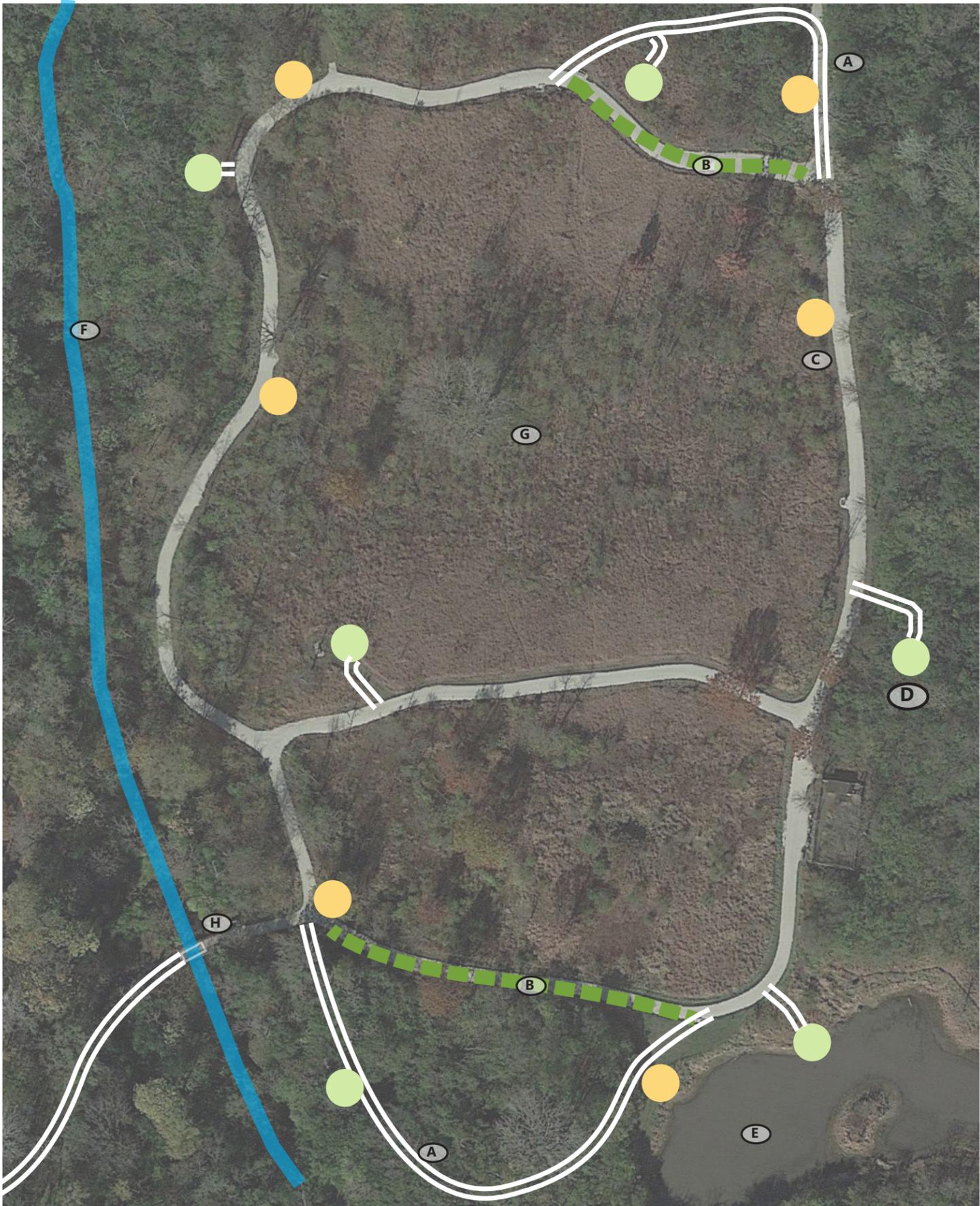
Native plantings will be used in various forms from treating stormwater runoff (BMP Plantings), to creating visual interest, and supporting wildlife.

SITE MASTERPLAN SITE PLAN MASSING-WEST



- Existing structures (gray) will be maintained to the extent possible while integrating new enclosures and buildings (white) onto the site.
- New elements will be designed to fit into the natural environment and blend into the site.
- A security fence will provide privacy to the outdoor enclosure areas of the site.

SITE MASTERPLAN
MASTER SITE PLAN-EAST



- Ⓐ Proposed Trail
- Ⓑ Trail Removal
- Ⓒ Interpretive Nodes, Typ. (1 of 6)
- Ⓓ Observation Nodes, Typ. (1 of 6)
- Ⓔ Wetland Enhancements
- Ⓕ Stream Corridor Enhancements along Glen Crest Creek
- Ⓖ Prairie Enhancements
- Ⓗ Existing bridge to remain

SITE MASTERPLAN SITE PLAN CONCEPTS-EAST

PRAIRIE ENHANCEMENTS

WETLAND ENHANCEMENTS

MONARCH WAYSTATION

WILDLIFE/DEMONSTRATION GARDENS

INTERPRETIVE SIGNS

WOODLAND ENHANCEMENTS

OBSERVATION/INTERPRETIVE NODE (TYP)

TRAIL MODIFICATIONS (TYP)

LIMESTONE TRAIL IMPROVEMENTS

FUTURE WILDLIFE REHABILITATION ENCLOSURES

PRAIRIE ENHANCEMENTS

WOODLAND & STREAM WILDLIFE VIEWING BLIND

ENTRY PLAZA GARDENS

FUTURE VIS. CTR. & CLINIC

STREAM ENHANCEMENTS

WETLAND ENHANCEMENTS

WOODLAND & STREAM WILDLIFE VIEWING BLIND

OUTDOOR CLASSROOM WITH WILDLIFE GARDEN

HILLTOP/PRAIRIE OBSERVATION PLATFORM

OUTDOOR CLASSROOM

MARSH/WETLAND OVERLOOK

LOCATION MAP

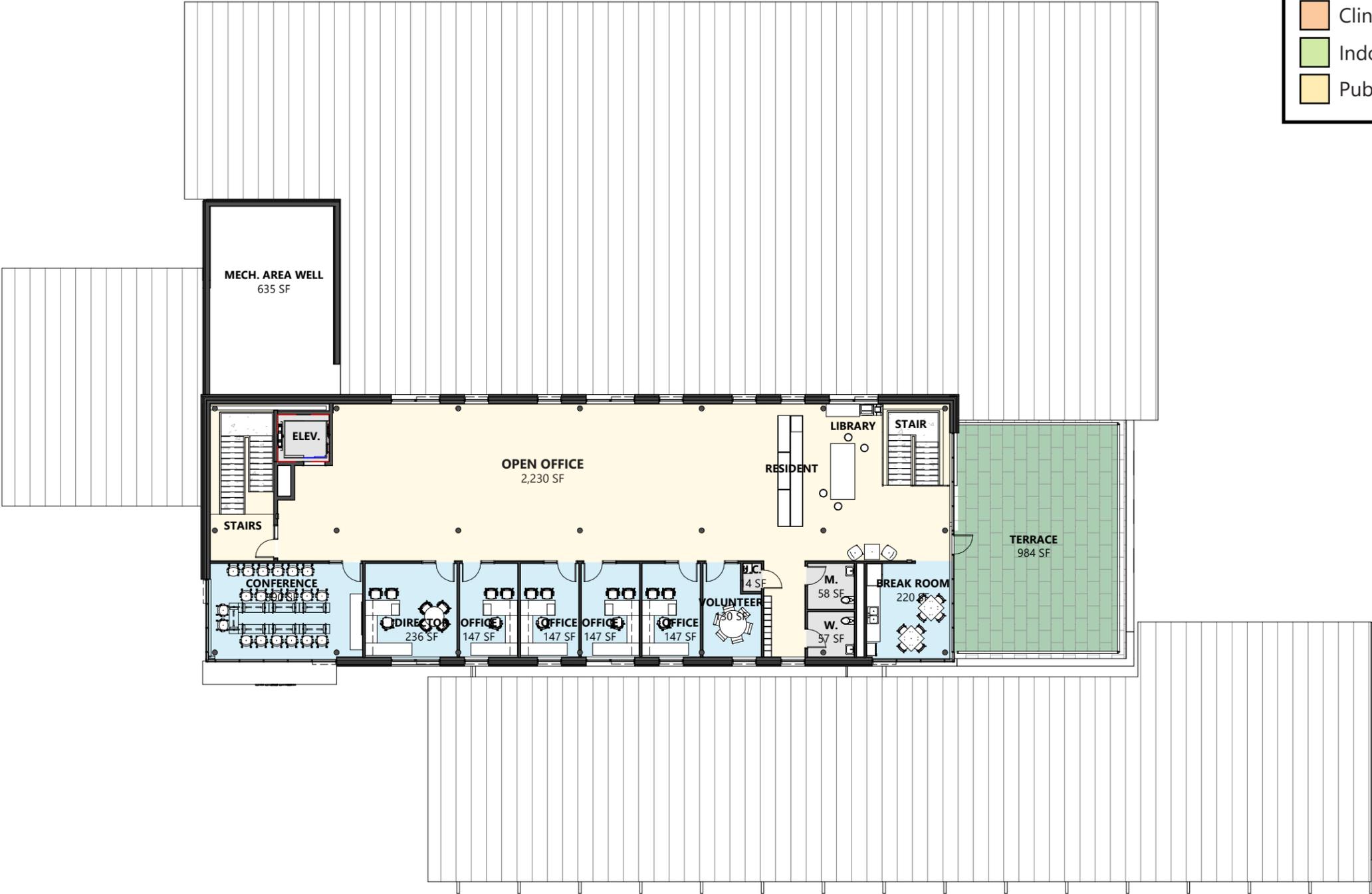
VISITOR CENTER / CLINIC DESIGN

VISITOR CENTER / CLINIC DESIGN FIRST FLOOR PLAN



VISITOR CENTER / CLINIC DESIGN SECOND FLOOR PLAN

	Administration
	Clinic Area
	Indoor Rehabilitation / Housing Area
	Public Areas & Education



VISITOR CENTER / CLINIC DESIGN
VIEW TO INTAKE & ENTRY



A separate Animal Patient Entry and Public entry welcome visitors to Willowbrook Wildlife Center.

VISITOR CENTER / CLINIC DESIGN
VIEW FROM PICNIC SHELTER



A wildlife garden greets visitors as the building gradually steps back on the site as it gets taller, allowing it to blend into the environment.



A partially covered outdoor classroom supports education programming for visitors.

VISITOR CENTER / CLINIC DESIGN
VIEW FROM SOUTH EAST TRAIL



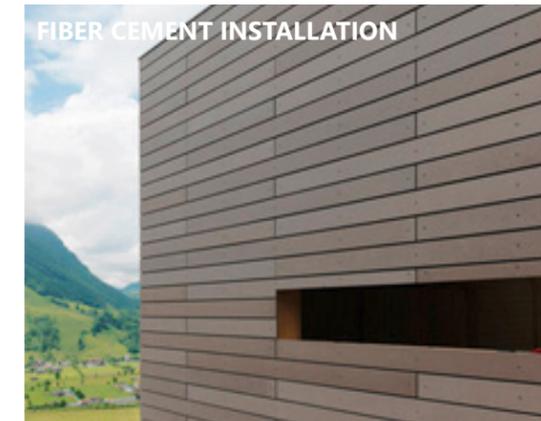
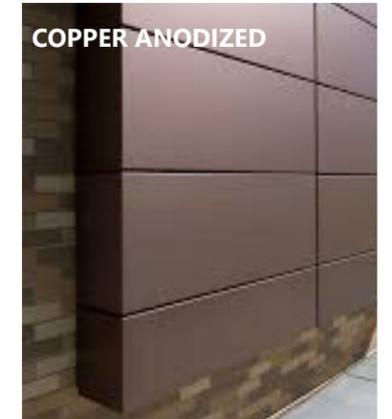
South of the building, a new trail head connects visitors to the east half of the site which includes interpretive and observation nodes.

VISITOR CENTER / CLINIC DESIGN
VIEW FROM SITE ENTRY



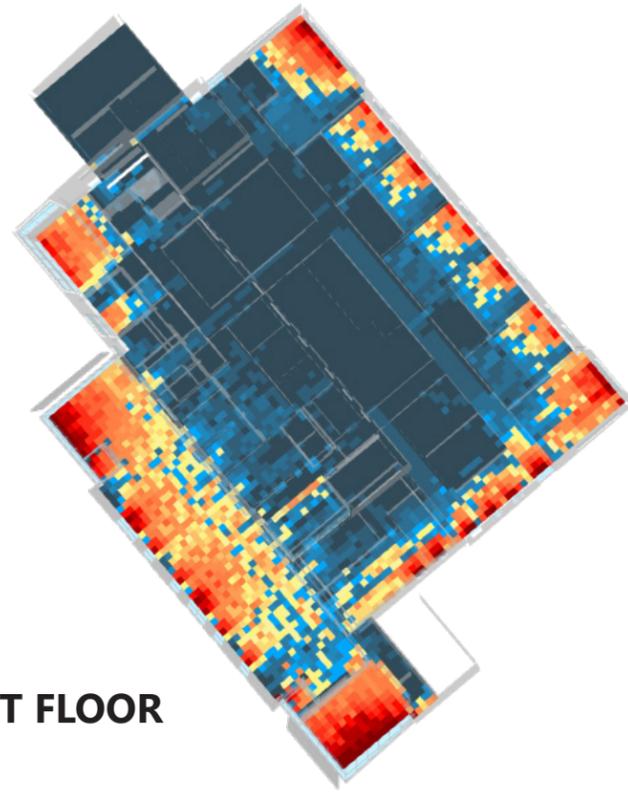
The new visitor center draws the public into the site while blending in to the natural environment.

VISITOR CENTER / CLINIC DESIGN PROPOSED EXTERIOR MATERIAL PALETTE

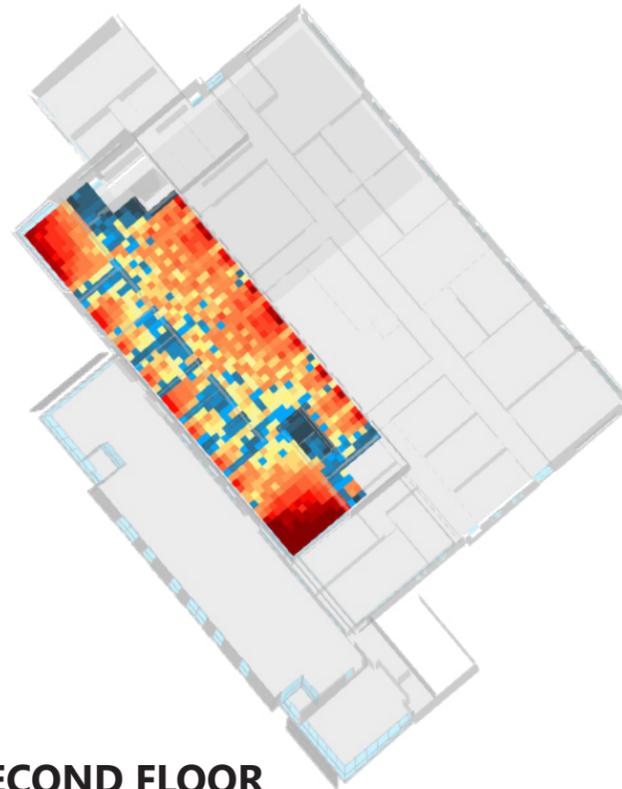


Durable materials with natural finishes and colors will be considered for the material palette.

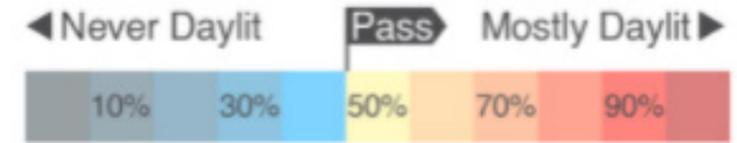
VISITOR CENTER / CLINIC DESIGN DAYLIGHT OPTIMIZATION STUDY



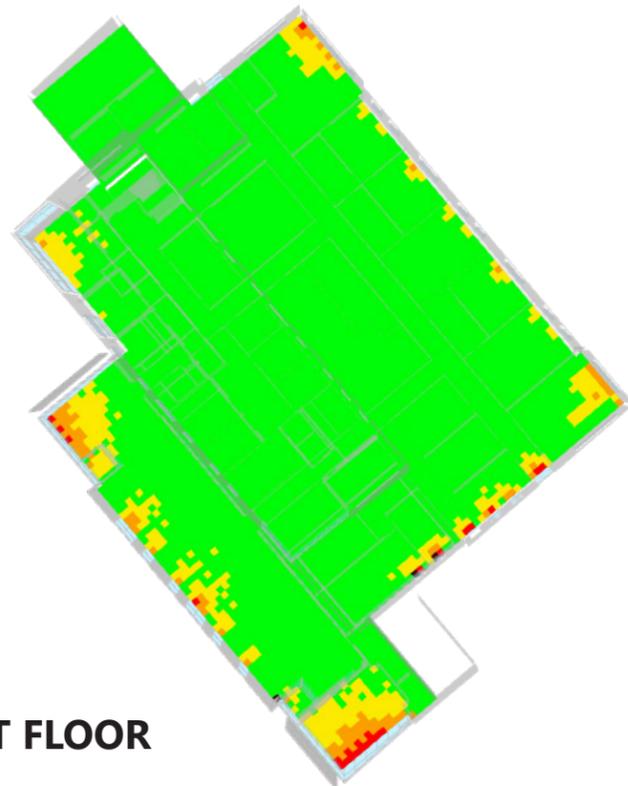
FIRST FLOOR



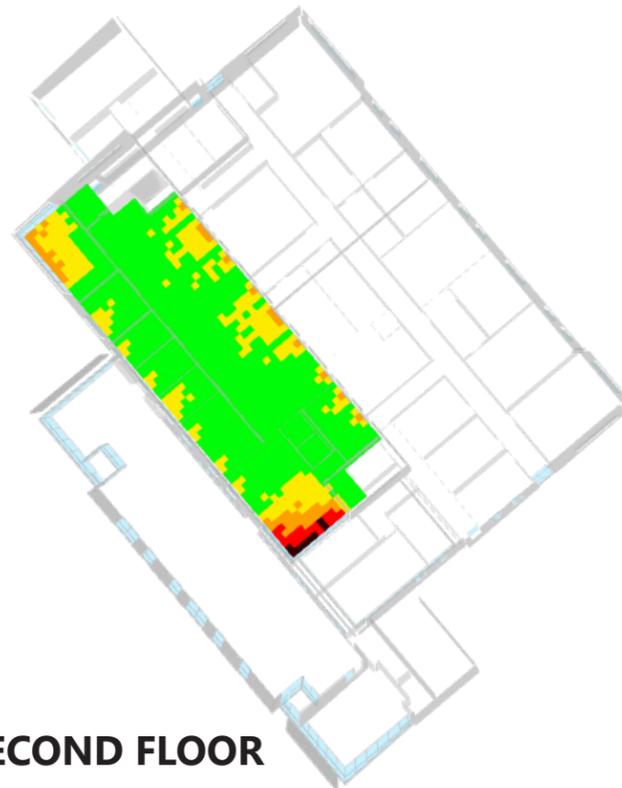
SECOND FLOOR



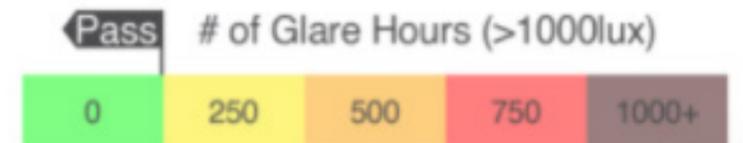
Spatial Daylight Autonomy (sDA) measures spaces that receive 30fc of light for at least 50% of the day. For the project this calculates to 24% which does not meet the recommended minimum of 55%. The shortfall is primarily due to having internal spaces without windows. The required close spatial relationships of the project drive the compact layout and daylight preference has been given to areas consistently occupied with people and animals. Solatube or borrowed lites are proposed to further enhance daylight within the interior of the building.



FIRST FLOOR



SECOND FLOOR



Annual Sunlight Exposure (ASE) measures glare. Areas in green are shown to have less than 10% ASE and do not require addressing. Areas greater than 10%, depending on use, require mitigation measures such as roller shades.

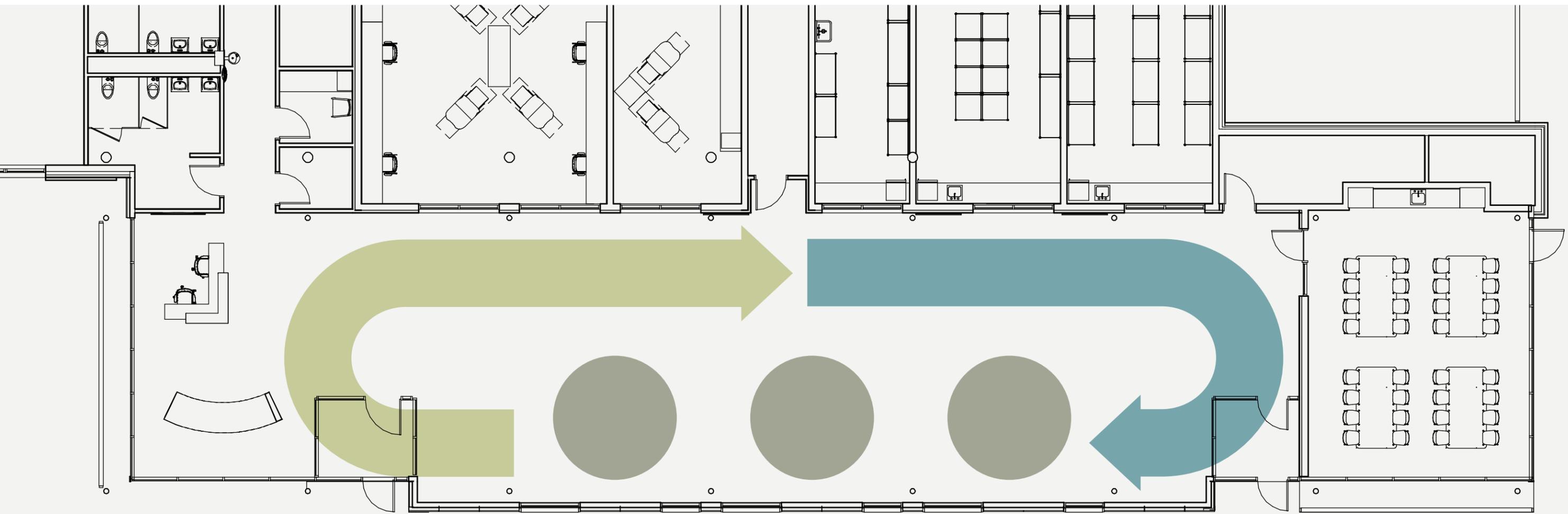
EXHIBIT DESIGN CONCEPT

CONTENT ZONES

 Drop-off to Release/Euthanasia

 Human Impact/Behavior

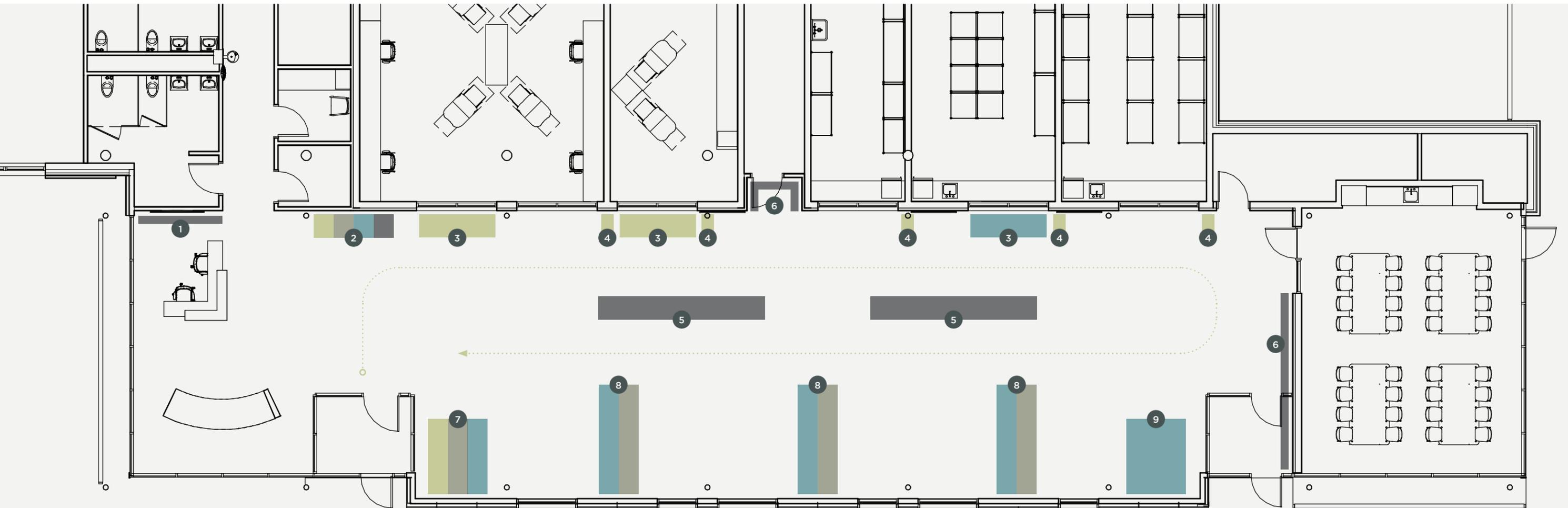
 Animals & Habitats



- Drop-off to Release/Euthanasia
- Human Impact/Behavior
- Animals & Habitats
- Environmental Treatment

EXHIBIT LOCATIONS

- 1 Reception Branding
- 2 Digital Hub
- 3 X-Ray (or 2D) Interactive
- 4 Rehab Process Panel
- 5 Bench Seating
- 6 Full-coverage Imagery
- 7 DuPage Map Interactive
- 8 Modular Slat Display
- 9 Wingspan Exhibit





Visitor touchpoints include large digital display, window rails with static or digital interfaces, informational window panels, modular slat display walls, and wingspan and map interactives. Live-edge benches and environmental graphics complete the exhibit space.

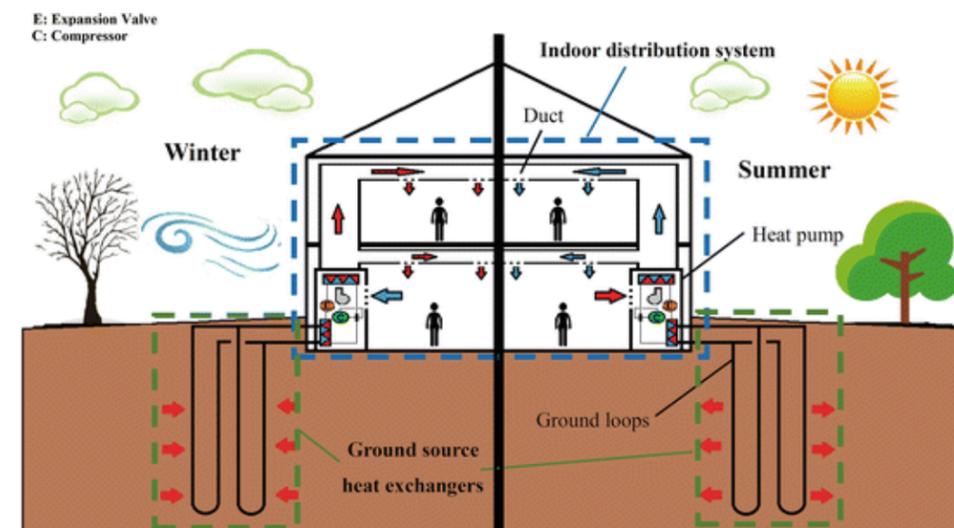
SUSTAINABILITY

Features included within the project:

- NATIVE & DROUGHT TOLERANT PLANTINGS
- BMPS FOR STORM WATER POLLUTION PREVENTION AND RAINWATER CONTROL
- HEAT ISLAND REDUCTION
- SOLAR-READY STRUCTURE AND INFRASTRUCTURE
- BIRD FRIENDLY GLASS
- HIGH PERFORMANCE BUILDING ENVELOPE
- DAYLIGHT OPTIMIZATION
- LOW-VOC MATERIALS
- RECYCLED MATERIALS
- LOW EMBODIED CARBON MATERIALS
- HIGH EFFICIENCY MECHANICAL SYSTEMS
- LOW-FLOW PLUMBING FIXTURES
- REDUCED LIGHTING POWER DENSITY
- DARK SKY LIGHTING DESIGN

Potential features for future inclusion:

- GEOTHERMAL
- RAINWATER HARVESTING
- PHOTO VOLTAIC PANELS



Y ? N
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Credit Integrative Process 1

1	2	13	Location and Transportation	16
		0	Credit LEED for Neighborhood Development Location	16
1			Credit Sensitive Land Protection	1
		2	Credit High Priority Site	2
		5	Credit Surrounding Density and Diverse Uses	5
		5	Credit Access to Quality Transit	5
	1		Credit Bicycle Facilities	1
		1	Credit Reduced Parking Footprint	1
	1		Credit Green Vehicles	1

6	3	0	Sustainable Sites	10
Y			Prereq Construction Activity Pollution Prevention	Required
1			Credit Site Assessment	1
	1		Credit Site Development - Protect or Restore Habitat	2
	1		Credit Open Space	1
2	1		Credit Rainwater Management	3
2			Credit Heat Island Reduction	2
1			Credit Light Pollution Reduction	1

6	3	2	Water Efficiency	11
Y			Prereq Outdoor Water Use Reduction	Required
Y			Prereq Indoor Water Use Reduction	Required
Y			Prereq Building-Level Water Metering	Required
2			Credit Outdoor Water Use Reduction	2
3	3		Credit Indoor Water Use Reduction (35% 3pts, 40-50% 4-6pts)	6
		2	Credit Cooling Tower Water Use	2
1			Credit Water Metering (2 submeters; boiler, reclaimed, washout)	1

15	8	10	Energy and Atmosphere	33
Y			Prereq Fundamental Commissioning and Verification	Required
Y			Prereq Minimum Energy Performance	Required
Y			Prereq Building-Level Energy Metering	Required
Y			Prereq Fundamental Refrigerant Management	Required
3	1	2	Credit Enhanced Commissioning (+1 for MBCx)	6
12	4	2	Credit Optimize Energy Performance (38% 15pts, 42-50% 16-18pts)	18
		1	Credit Advanced Energy Metering	1
		2	Credit Demand Response	2
		3	Credit Renewable Energy Production (10% 3pts)	3
	1		Credit Enhanced Refrigerant Management (confirm no VRF)	1
	2		Credit Green Power and Carbon Offsets	2

7	1	5	Materials and Resources	13
Y			Prereq Storage and Collection of Recyclables	Required
Y			Prereq Construction and Demolition Waste Management Planning	Required
		5	Credit Building Life-Cycle Impact Reduction	5
2			Credit Building Product Disclosure and Optimization - Environmental Product Declarations	2
1	1		Credit Building Product Disclosure and Optimization - Sourcing of Raw Materials	2
2			Credit Building Product Disclosure and Optimization - Material Ingredients	2
2			Credit Construction and Demolition Waste Management	2

9	5	2	Indoor Environmental Quality	16
Y			Prereq Minimum Indoor Air Quality Performance	Required
Y			Prereq Environmental Tobacco Smoke Control	Required
2			Credit Enhanced Indoor Air Quality Strategies	2
3			Credit Low-Emitting Materials	3
1			Credit Construction Indoor Air Quality Management Plan	1
1		1	Credit Indoor Air Quality Assessment	2
1			Credit Thermal Comfort	1
1	1		Credit Interior Lighting	2
	3		Credit Daylight	3
	1		Credit Quality Views	1
		1	Credit Acoustic Performance	1

4	2	0	Innovation	6
3	2		Credit Innovation	5
1			Credit LEED Accredited Professional	1

1	1	2	Regional Priority	4
1			Credit Regional Priority: Enhanced IAQ (2pts)	1
		1	Credit Regional Priority: Advanced Energy Metering/Protect or Restore Habitat	1
	1		Credit Regional Priority: Rainwater Management (3pts)	1
		1	Credit Regional Priority: High Priority Site/Building Life-cycle	1

50 25 34 TOTALS Possible Points: **110**
Certified: 40 to 49 points, **Silver:** 50 to 59 points, **Gold:** 60 to 79 points, **Platinum:** 80 to 110

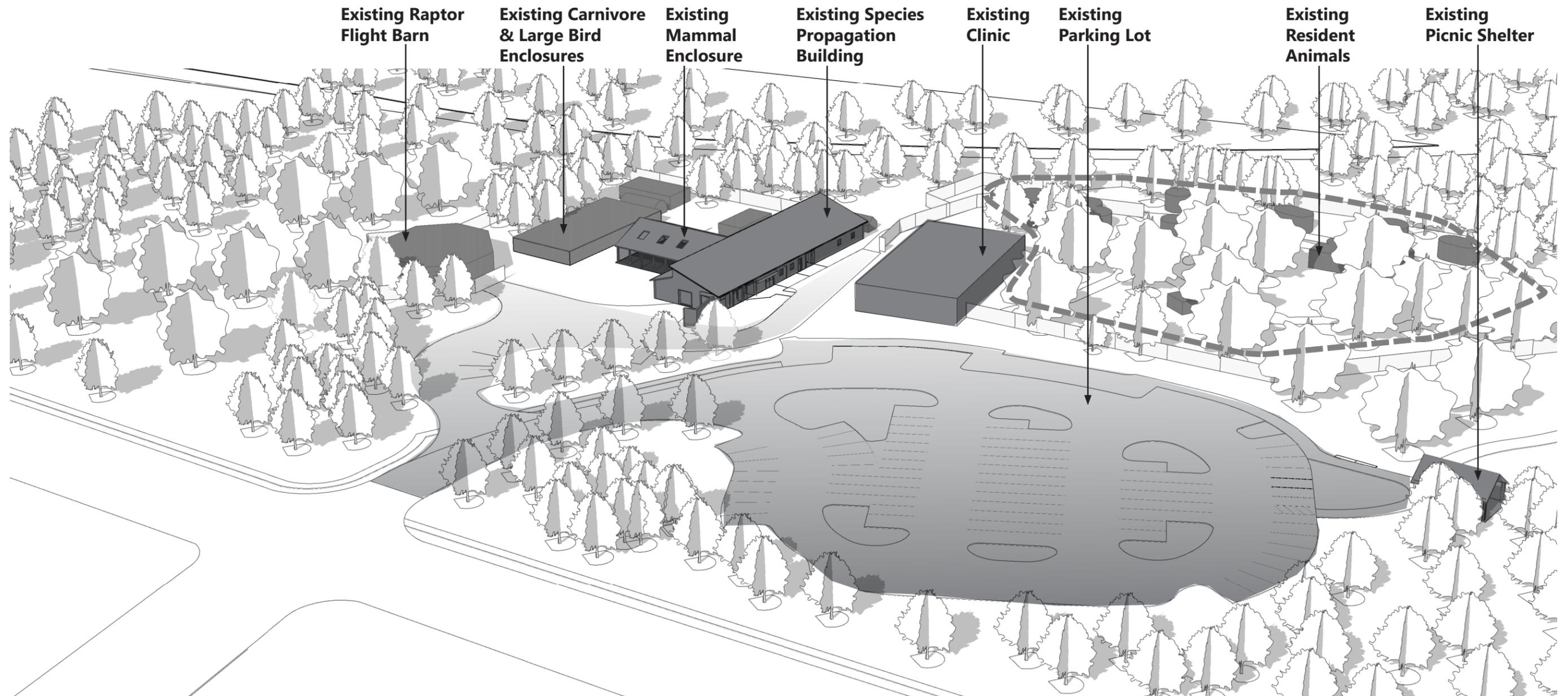


IMPLEMENTATION

EXISTING FACILITIES

2021

IMPLEMENTATION PHASING DIAGRAM



PHASE A

Summer 2022 (Standard Schedule)

IMPLEMENTATION PHASING DIAGRAM

Small Carnivore Transition + Resident Carnivore [G]

Large Carnivore Enclosure [H]

Resident Raptor Enclosure [I]

Raptor Flight Barn [J]
(Essential/Phase Alternate)

PHASE A

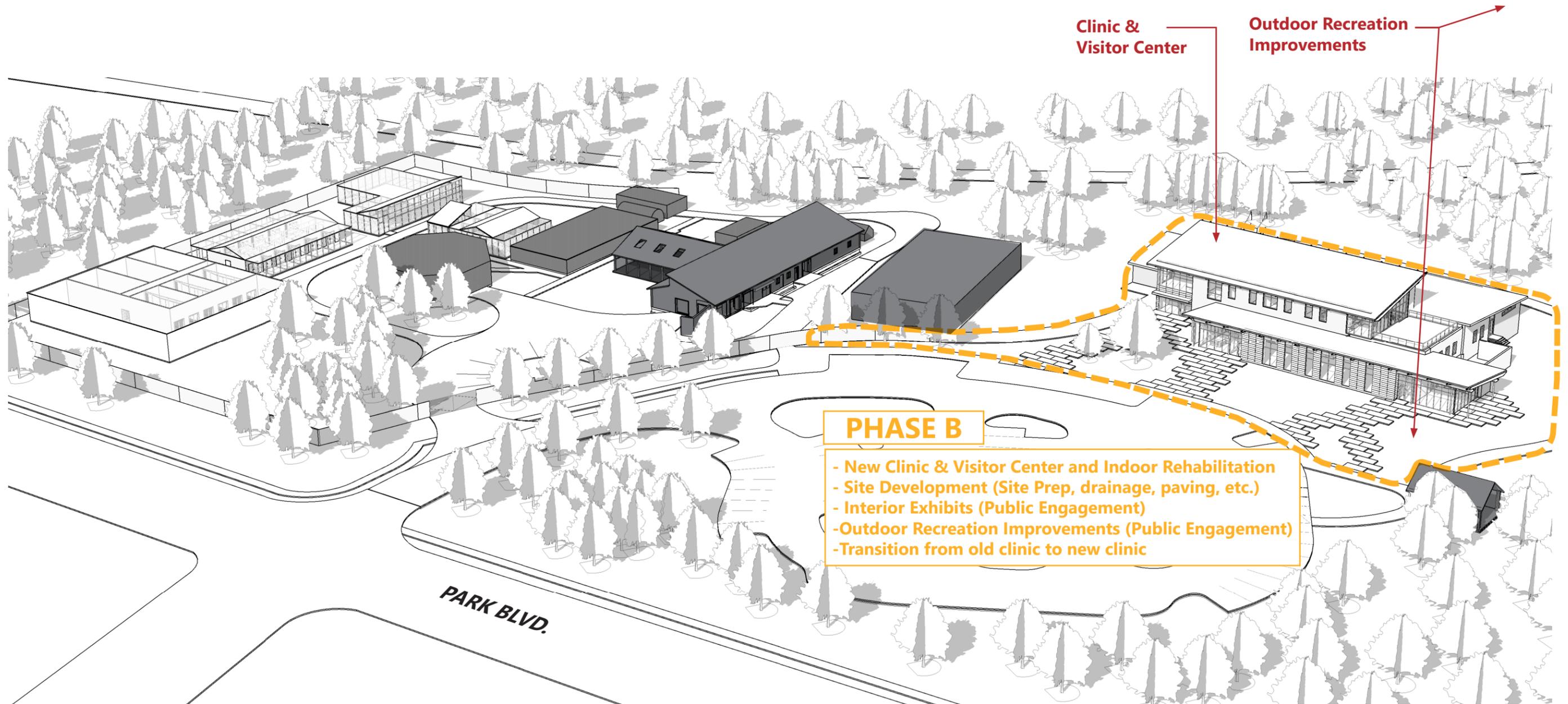
- Outdoor Rehabilitation Phase I
- Removal of Dilapidated Enclosures
- Relocation of Existing Resident Animals to New Enclosures

PARK BLVD.

PHASE B

Spring 2023 (Standard Schedule)

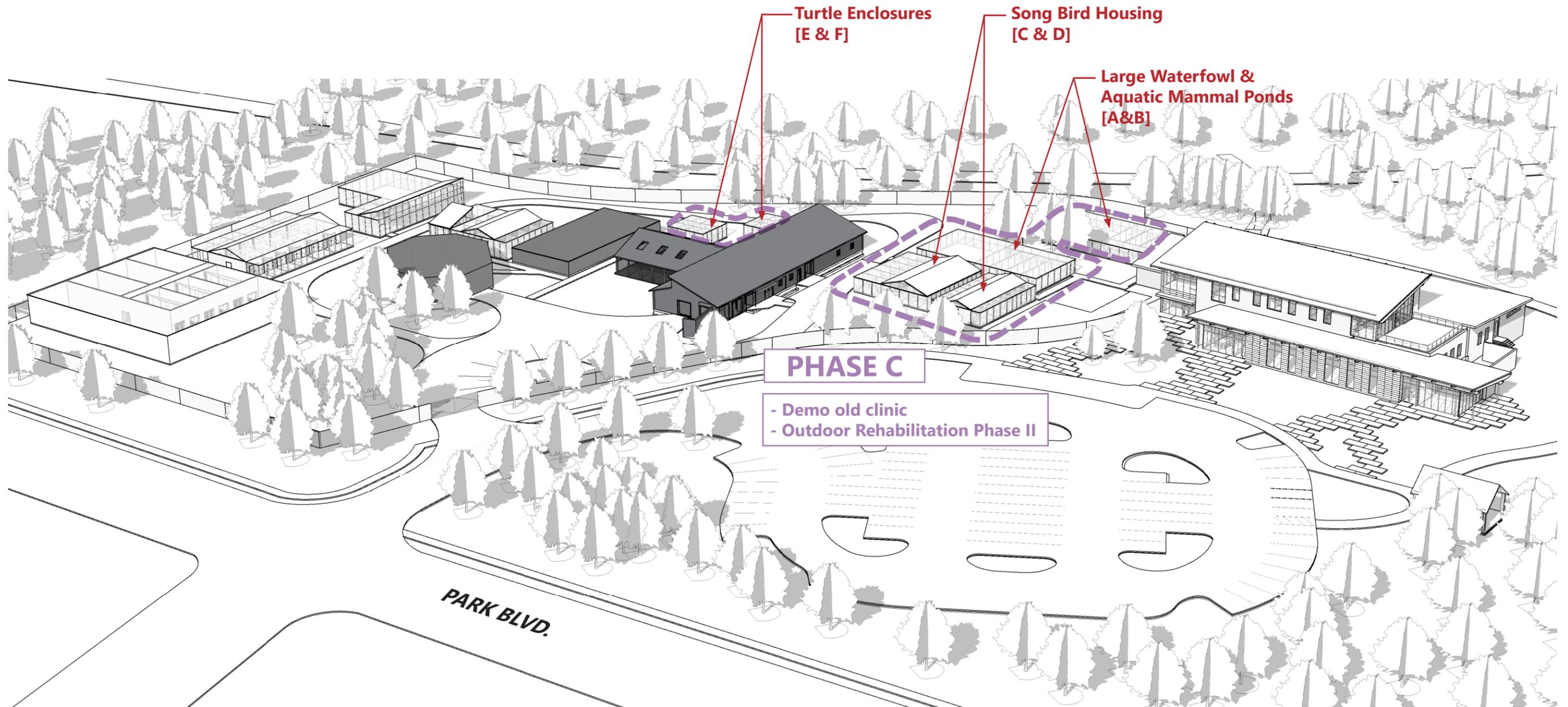
IMPLEMENTATION PHASING DIAGRAM

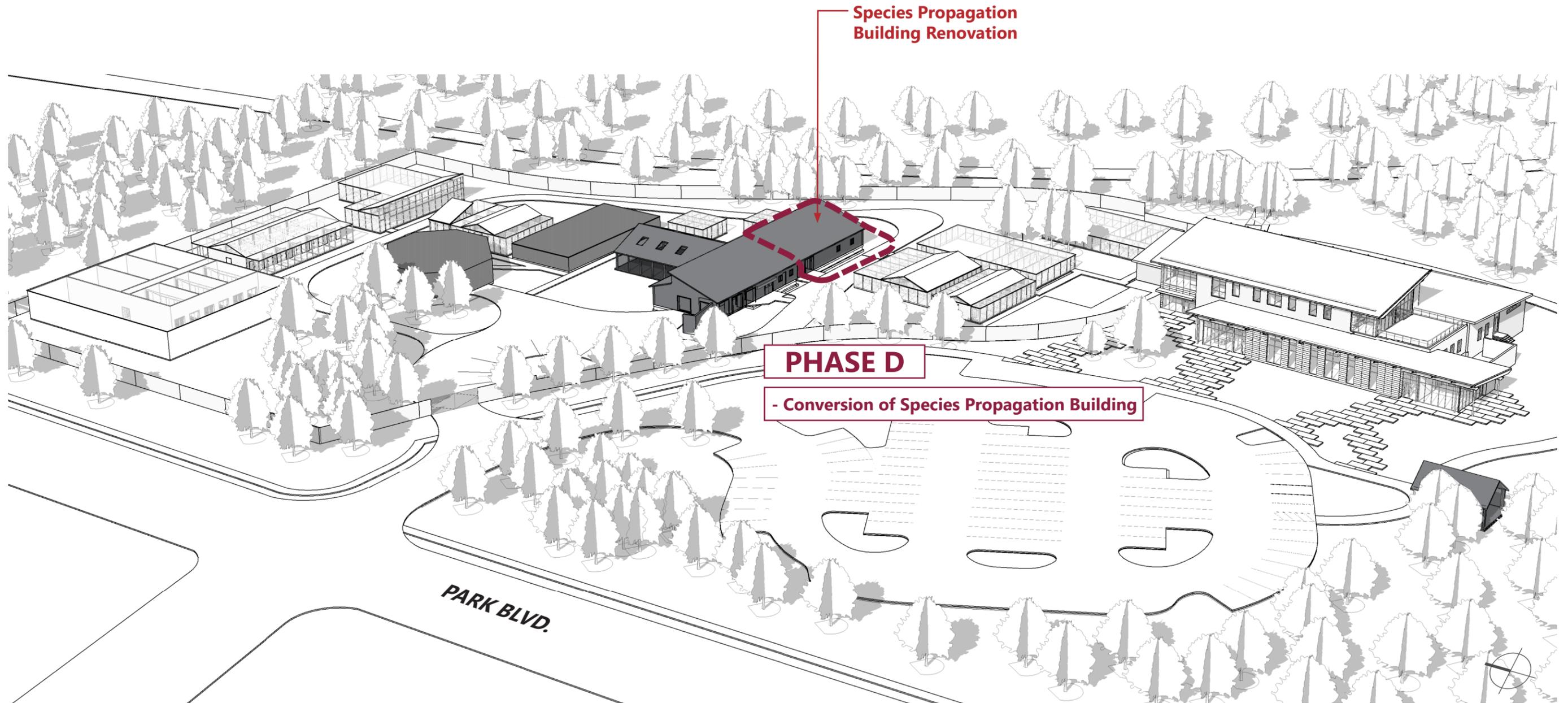


PHASE C

Spring 2024 (Standard Schedule)

IMPLEMENTATION PHASING DIAGRAM

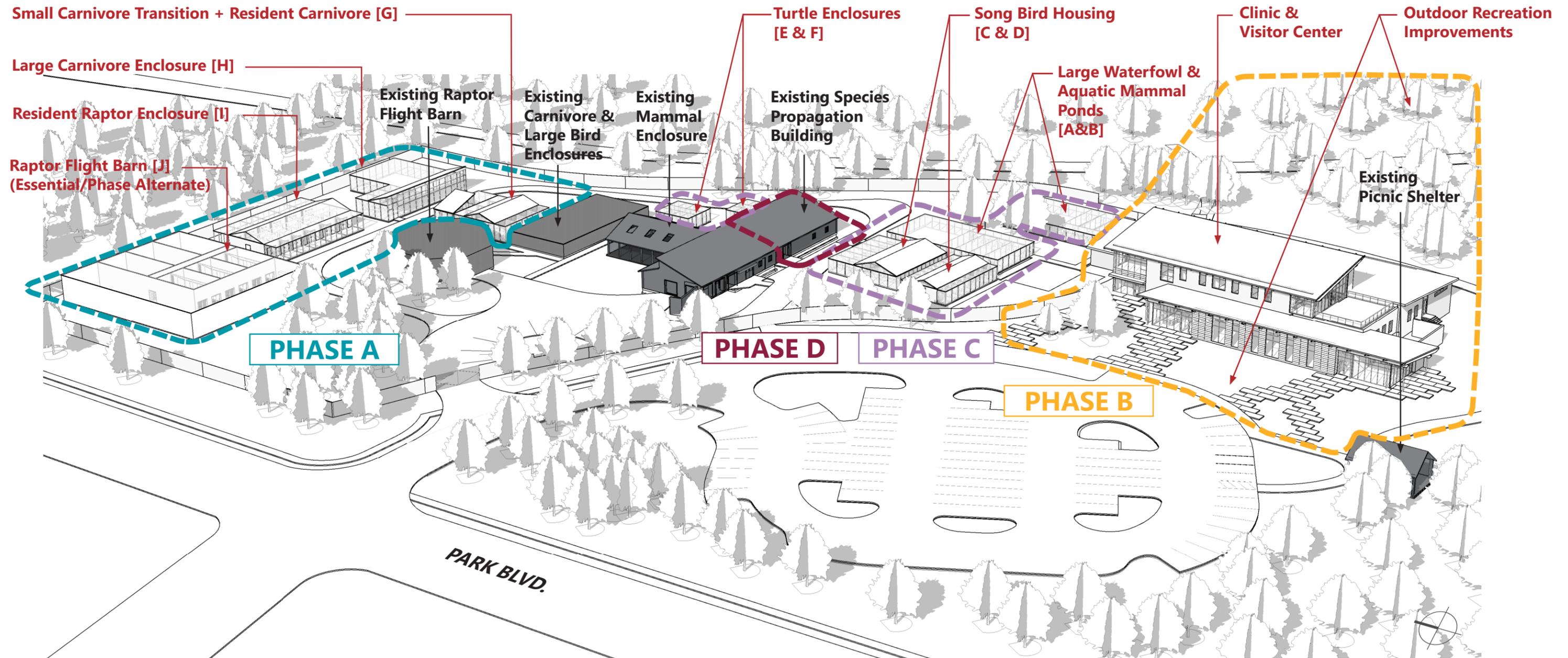




PHASE A THROUGH D

Completion January 2025 (Standard Schedule)

IMPLEMENTATION PHASING DIAGRAM



IMPLEMENTATION COST BUDGET SUMMARY

Phase	Item Description	Critical Items (Immediate Need)	Critical Items (Flexible To Phase)	Desirable Items (Priority Alternates)	Alternate Items (Other Considerations)
A	Outdoor Rehabilitation Phase I				
	Mammal, Carnivore, Transitional Rehabilitation Enclosures (Structures G, H, I)	\$ 1,670,000.00			
	Large Raptor Barn Enclosure (Structure "J")		\$ 1,381,500.00		
	A/E Design Fees, Permits, And Other Soft Costs	\$ 140,650.00	\$ 113,750.00		
	Subtotal Phase A:	\$ 1,810,650.00	\$ 1,495,250.00	\$ -	\$ -
B-1	New Building				
	Clinic and Visitor Center	\$ 14,023,300.00			
	*Interior Exhibits (Public Engagement)		\$ 253,700.00	\$ (250,000.00)	
	Photovoltaic Power (PV) - Limited Area On Clinic Roof			\$ 150,150.00	
	Rainwater Harvesting System			\$ 347,133.00	
	EV Charging Station			\$ 32,856.00	
	Interior Sliding Doors			\$ 90,000.00	
	Photovoltaic Power (PV) - sufficient to meet net zero goals				\$ 1,324,908.00
	Ground Source Heat Pumps (Geo-Thermal)				\$ 1,063,250.00
	Emergency Generator				\$ 260,000.00
	Net Zero Enhancements: insulation, windows, mech systems, etc				\$ 500,000.00
	Net Zero/LEED: Commissioning, testing, specialists, fees, etc.				\$ 200,000.00
	A/E Design Fees, Permits, And Other Soft Costs	\$ 1,485,850.00	\$ 116,300.00	\$ 57,441.00	\$ 485,801.00
	Phase B-1:	\$ 15,509,150.00	\$ 370,000.00	\$ 427,580.00	\$ 3,833,959.00
B-2	Site Development				
	Site Preparation, Drainage, and Paving	\$ 1,500,000.00			
	**Outdoor Recreation Improvements (Public Engagement)		\$ 431,150.00	\$ (100,000.00)	
	A/E Design Fees, Permits, And Other Soft Costs	\$ 89,850.00	\$ 25,850.00	\$ -	\$ -
	Phase B-2:	\$ 1,589,850.00	\$ 457,000.00	\$ (100,000.00)	\$ -
Subtotal Phase B:	\$ 17,099,000.00	\$ 827,000.00	\$ 327,580.00	\$ 3,833,959.00	
C	Outdoor Rehabilitation Phase II				
	Old Clinic Demolition	\$ 98,400.00			
	Songbird, Turtle, Waterfowl Enclosures (Structures B,C,D,E,F)	\$ 1,426,800.00			
	Waterfowl Enclosure (Structure A)		\$ 276,650.00		
	A/E Design Fees, Permits, And Other Soft Costs	\$ 119,200.00	\$ 22,150.00		
Subtotal Phase C:	\$ 1,644,400.00	\$ 298,800.00	\$ -	\$ -	
D	Species Recovery Building Conversion				
	Interior Renovations (Existing Workspace to Lab and Storage)	\$ 76,900.00			
	Upgraded Screen Wall Along North Parking Lot			\$ 130,000.00	
	A/E Design Fees	\$ 4,000.00			
	Subtotal Phase D:	\$ 80,900.00	\$ -	\$ 130,000.00	\$ -
A/E Schematic Phase Design Fees Current Contract:		\$ 435,000.00	\$ -	\$ -	\$ -
Total:		\$ 21,069,950.00	\$ 2,621,050.00	\$ 457,580.00	\$ 3,833,959.00

Staff base recommendation includes all items in critical columns as they are essential to Willowbrook's animal care operations. Bid documents to provide flexibility in evaluating project costs based upon actual bid results, funding availability, and other external factors.	\$ 23,691,000.00
Staff additionally recommends items in desirable item column to be added as alternates as they will enhance Willowbrook's animal care operations and visitor experience. Can generally be easily considered or added at anytime prior to construction and can be determined based upon actual bid results, funding availability, and other external factors.	\$ 457,580.00
Staff recommends the other alternate considerations but acknowledge they are not essential to Willowbrook's animal care operations. If to be considered these items would need to be approved at the start of the design development phase as the impact to the structure is significant and they couldn't be added or removed at a later date easily.	\$ 3,833,959.00

*Indicates FPDDC pursuing IDNR 2023 Public Museum Grant

** Indicates FPDDC pursuing IDNR 2022 OSLAD Grant

Note all construction item cost projections include a contingency ranging between 8-10% and include cost escalation factors between 3-8% for construction appropriate to work starting in 2022, 2023, and 2024 as outlined in past estimated construction schedules.

Wilowbrook Wildlife Center Masterplan Phase II Improvements			
Project No.: M-340-000			
Supplemental Funding Sources			
13-Sep-21			
Source Type	Item Description	Amount	Year Available
	In-Hand		
FPDDC Fund	FPDDC Willowbrook Fund	\$ 562,000.00	2021
Non-Profit	DuPage Community Foundation	\$ 922,000.00	2021
Non-Profit	Friends of the Forest Preserve	\$ 516,000.00	2021
FPDDC Fund	Mains Endowment	\$ 1,500,000.00	2021
	Subtotal:	\$ 3,500,000.00	
	Pledged		
Private	Fikar Gift	\$ 50,000.00	2021
Private	Bork Gift - (2 years remaining)	\$ 190,000.00	2022/2023
	Subtotal:	\$ 240,000.00	
	Upcoming Funding Opportunities		
Grant	2021 IDNR Open Space Land Acquisition (OSLAD) Grant	\$ 400,000.00	2022
Rebate	Commonwealth Edison Energy Efficiency Program	\$ 35,000.00	2023/2024
Rebate	*Commonwealth Distributed Generation Rebate (PV)	\$ 15,000.00	2023/2024
Grant	**2022/2023 IDNR Public Museum Grant (PM)	\$ 750,000.00	2023/2024
	Subtotal:	\$ 1,200,000.00	
	Potential Supplemental Source Totals:	\$ 4,940,000.00	
	Additional Opportunities Being Explored		
Grant	***Illinois ICECF Grants	TBD	TBD
Credits	****Illinois Power Agency Sale of Energy Credits (SRECS)	TBD	TBD

* Depends upon scale of PV system installed. This could vary from \$15,000 - \$75,000

** Depends upon next notice of funding opportunity in 2022 or 2023

*** If a net zero facility is pursued there is potential funding up to 2 million dollars available in ICECF grants. This would require construction of the large raptor barn, geothermal system and optimal PV system.

**** Depends upon scale of PV system installed, megawatt hour production, and availability of program dollars.

APPENDIX

1. Design Program
2. Public Open House Feedback
3. Website/Social Media Feedback
4. Public Survey Feedback
5. Public Survey Data
6. Budget Analysis
7. Sustainability Analysis Embodied Carbon
8. Sustainability Analysis Net Zero

FPDDC Mission

The Forest Preserve District of DuPage County's mission is "to acquire and hold lands containing forests, prairies, wetlands and associated plant communities or lands capable of being restored to such natural conditions for the purpose of protecting and preserving the flora, fauna and scenic beauty for the education, pleasure and recreation of its citizens."

FPDDC Vision

The Forest Preserve District of DuPage County is a nationally recognized conservation agency that envisions a community in which all citizens share a connection with nature and an appreciation for cultural history.

Willowbrook Core Values

Respect
Empathy
Stewardship
Knowledge
Innovation
Outreach

Respect

Willowbrook believes in promoting an inclusive environment where mutual respect for our environment, the wildlife that resides in it, and each other is held to a high standard.

Empathy

While our feelings and experiences will never be comparable to the non-human living beings within our shared environment, we can and should anticipate the needs and challenges of the native wildlife in our care.

Stewardship

Willowbrook's role in wildlife rehabilitation is a critical part of managing DuPage County natural areas. This is what makes environmental stewardship, or the responsible use and protection of the natural environment through conservation and sustainable practices, so important.

Knowledge

Willowbrook staff members are constantly striving to gain knowledge to better support the animals we rehabilitate and the environment they are returned back into. It is critical that we not only learn from leaders in the veterinary, rehabilitation, and environmental science fields but that we also share our knowledge with others.

Innovation

Willowbrook is dedicated to becoming a leader in wildlife medicine and rehabilitation. This transformation will be driven through innovation idea generation and agility in our approach to all areas of medical care, rehabilitation practices, environmental-friendly policies, and community involvement.

Outreach

Willowbrook aims to be inclusive in our outreach to audiences of different ages, experiences, and socioeconomic backgrounds and provide a shared experience where all members of the community can feel closer to their environment and native wildlife.

Willowbrook Mission (Willowbrook's organizational purpose)

Willowbrook Wildlife Center at Willowbrook Forest Preserve in Glen Ellyn is a native wildlife rehabilitation facility that provides care and medical treatment to injured, sick and orphaned wild animals. It also serves as a resource to teach DuPage residents about living in harmony with local wildlife.

Willowbrook Vision (How Willowbrook will look when it is working extremely well – emphasize purposes, behavior, performance criteria, standards that serve the public and create public value)

Willowbrook Wildlife Center is state of the art wildlife rehabilitation facility that is a national leader in engaging visitors in veterinary science, medical care and wildlife rehabilitation in action while championing healthy interconnected ecosystems to foster and promote safe, healthy, and sustainable communities for all living things in DuPage County and beyond.

Goals: (Critical success factors / key performance indicators, mandates)

1. Over the next 10 years, Willowbrook will transition away from having a collection of 54 non-releasable animals to focusing on 100% rehabilitation and reintroduction into the wild by 2031.
2. To improve the safety and conditions of the facilities for the rehabilitation and restoration of animals and animal species.
3. To improve safety and efficiency of facilities and work environment for Willowbrook staff and volunteers
4. To improve the ability of the facilities to engage and immerse the public in the wildlife rehabilitation processes and ecosystem environments that make up of 26,000 acres of DuPage County open space consisting of restored savannahs, woodlands, wetlands, and prairie environments to foster a greater appreciation for the native species, animal habitats, ecosystem functions and the interconnectivity of natural systems
5. To make the facility more sustainable utilizing the latest in energy efficient, LEED, and green infrastructure design principles.
6. To support the captive propagation of at-risk species and research projects that will advance wildlife medicine and wildlife rehabilitation.

OBJECTIVES and STRATEGIES (Specific milestones or targets to be reached)

- 1.1) Create a transition plan to phase out live animal displays and re-purpose or remove animal enclosures as animals are removed or are re-homed to other wildlife care facilities by 2031.
 - a. Provide dual-purpose enclosures that can serve as rehabilitation areas with natural habitats.
- 2.1) Create an efficient and sanitary animal rehabilitation operation within sufficient space.
 - a. Organized by species type. (Birds, raptors, carnivores, small mammals herps (amphibians, reptiles), waterfowl, aquatic mammals, etc...)
 - b. Provide more naturalistic animal habitats (appropriate for each species based upon needs and natural home ranges) for permanent outdoor rehabilitation patient exhibits as they transition from recovery to reintroduction/release.
 - c. Comply with current NWRA and IWRC guidelines for Minimum standards for Wildlife Rehabilitation 4th Edition.
 - d. All ponds, cages, etc. , having to tie into the sanitary. Will have to ensure the sewer infrastructure is designed to handle the capacity and has sufficient gravity pitch. Effective sediment catch, screening, cleaning and monitoring.
 - e. All areas all outlying cages and structures have all more than sufficient utilities to accommodate full operational extent and need for most extreme climate conditions (heated water bowls, heat lamps, fans, heating pads, general outlets, lighting).
 - f. Ensure that enough space and access is provided around all of the structures, for adequate access with equipment, tools, ladders, lifts, material staging, etc. Mindful of developing landscaping, courtyards, etc., that would not be impacted by maintenance and repair efforts (gutter cleaning, repairs, aerial lifts, etc. Facility and Grounds maintenance vehicles have clearances along trails and around buildings. Emergency access around the site also a consideration.
 - g. Sufficient water distribution throughout the site to meet the operational needs (auto fill waterers, yard hydrants, etc.).
 - h. Likely to increase waste stream and may look to relocate current dumpsters, etc. Should be further from the buildings/operations and the public. Just a consideration for re-evaluation.
 - i. Provide contiguous area to move animals quickly and safely between holding, isolation, recovery, and rehabilitation, areas with limited noise and disturbance.
 - j. Provide adequate storage needed for tools, materials, equipment, and other protective gear.
 - k. Provide adequate storage needed for food, formula, and other items for care of animals (must be rodent proof).
 - l. Provide secure and adequately sized lockers for staff and volunteers.
 - m. Create a space for a native vegetable garden to provide animal food (Willowbrook staff to maintain)
 - n. Current outdoor housing:
 1. Loop (100 ft circular flight barn)
 2. RFF1+3 (20 ft raptor enclosure)
 3. RFF2 (40 ft raptor enclosure)
 4. AFC (large waterfowl enclosure)
 5. RFC (large raccoon enclosure)
 6. Day Duck Cage (small waterfowl enclosure)
 7. Songbird housing x5+hallway
 8. FSFC x2 (songbird housing)
 9. M cages x 10 (chain link mammal cages)
 10. B cages x 6+ 2 hallways (chain link bird cages)

- o. Additional outdoor housing needs:
 - 1. Add at least one 100 ft straight flight barn
 - 2. Add at least one more 40-50 ft flight enclosure (RFF2)
 - 3. Add at least 2 more 25 ft flight enclosure (RFF1+3), at least one of which is designed for small species
 - 4. Add another large waterfowl enclosure (AFC) with better functioning deep, year-round pond capable of housing diving ducks
 - 5. Add another large raccoon enclosure (Balance for mission and story)
 - 6. Add a separate large carnivore enclosure (not for raccoons)
 - 7. Outdoor turtle enclosure to house multiple animals at one time, potentially with designated space for E+T species?
 - 8. At least double (if not triple) M+B cage space (different materials, not chain link for birds)
 - 9. Outdoor enclosures for smaller species of mammals?
- 2.2) Provide the tools for safety and maintenance of animal habitats, enclosures, food production and nature trails.
 - a. Controlled access to rehabilitation and staff work areas.
 - b. Workshop and storage space for tools necessary for work above.
 - c. Double gated entrance access for animal enclosures.
 - d. Isolation gates/areas where appropriate for cleaning and feeding.
 - e. Create program opportunities for Visitors to interact with staff in action.
- 3.1) Create an efficient and sanitary clinic and indoor rehab area within one building suite
 - a. House all functions within one contiguous facility.
 - b. Recommend a full time general maintenance position for the site to handle day to day needs related to operations and light building maintenance (cage repairs, HVAC filter changes, exhibit repairs/construction, light plumbing/electrical/lighting repairs, appliance repair, monitoring HVAC, refrigeration systems, minor carpentry, monitor life safety systems, security, filter screens for ponds, ejector pumps, etc.). Lesson the demand for "small" requests that Facilities Management at the site for small reactive repairs/maintenance and operational support.
 - c. Full separation of mechanical equipment (HVAC, Water heaters, electrical panels, fire suppression/alarm, solar inverters, etc.) from operations and storage. Refrain from obstructing access to these systems.
 - d. Recommend a Building Automated system for the Clinic/VC, to remotely monitor, troubleshoot and control systems and receive alerts for issues.
 - e. Service door areas are a big issue. High frequency of entering and exiting the building have a major impact on the balance of controlling heating and cooling balances. Sufficiently provide air curtains or other supplemental make up systems in these areas.
 - f. Doorways, walkway, laundry rooms, all have sufficient clearances/widths for push carts, laundry bins and other operation equipment. Egress and hallways often obstructed with staging these items.
 - g. Understood will be part of new design, but ensure that the HVAC system is sufficient for make-up air and exhaust to meet animal clinic capacities for healthy environment for the visitors, staff and wildlife.
 - h. Increase custodial support or modify operational responsibility by defining and separating true "custodial" and "operational" clean up.
 - i. Understanding of site/building signage (general and interpretive) for the site. Anticipation of volume, frequency of changes, what can be done by District sign shop and what would have to be outsourced.
 - j. Offices – similar to existing open plan vs cubicle spaces. Need workspaces for new staff members, volunteers and seasonal staff.
 - k. Call room (separate from intake and visitor services)
 - l. Library/conference – Capacity for 25 in boardroom setting. TV with web camera and smart screen, conference phone, network access, and bookshelves. (Place on second floor).
 - m. Kitchen/break room - Desire upstairs in a 2-story building. Space for 2 tables to seat 12-16 people, sink, refrigerator, microwave, dishwasher, stove, and bulletin board.
 - n. Staff bathroom separate from public restrooms.
 - o. Separate public drop off/intake and triage area.
 - 1. Larger animal drop-off area with room for more than one rescuer indoors at a time, plus seating area? Maybe two work stations for busy admissions days?
 - p. Separate private room from front desk and intake area to allow staff to take inquiry, assistance, or wildlife emergency phone calls uninterrupted.
 - q. Intake Room - Need larger than existing. Different intake process?
 - r. Triage Room - Need at least 2x the existing size with larger incubators, and ICU unit.
 - s. Observation Room - (new) Mostly empty so we can do flight testing/observations
 - t. Exam room/clinic - (tiny, crowded w/ just 2 people) need 2-3 exam tables, 1 table=wet table, 3-4 computer stations
 - u. Lab - (new) Sink, table, 2 microscopes, 1 w/ camera, blood-work machines.
 - v. Imaging Room (radiology, ultrasound, and endoscopy) ideally, rad table and table for scoping and at least 2x the size we have now.
 - w. Surgery - Prep room – either part of surgery or part of imaging room, 1-2 surgical tables, pass through window between prep and surgery and equal size to imaging room.
 - x. ICU– Need 3x current space, ICU unit, space for a table in center, separated by species? Need run space for larger animals (3)
 - y. Isolation Room - Exit to outside and to prep/laundry room!, separate sink, 1-2 runs, 4 cages

- z. Indoor rehab space:
 - 1. Baby Nursery - (MN) Need at least 2x of existing space, separate room/space for cottontails, separate room/space for raccoons with its own sink, supplies, etc... for sanitation purposes
 - 2. Juvenile Nursery - (combo BN and EN) Need at least 2-3x existing space with separate areas for birds vs mammals
 - 3. Bird Holding Room (Is this like the current BN? If so – 2-3x current space with room for indoor flight areas, quiet area for sensitive species, - Will need to ask AC – probably at least 2-3x current space.
 - 4. Reptile Holding Room – Will need 2x the current space including aquatic facilities for variety of sizes of turtles
 - 5. Swim Room/Waterfowl - At least 2 full-sized tubs, potentially more, easy way to drain tubs (built in drains), built in swimming pool for diving species with built-in drain

- aa. Research/captive propagation space?? Yes! Large, flexible space w/ separate utilities + work space (sink, etc.)
- bb. Clean-up room – needs to be 3x current size, at least 2 sinks/sanitizers, 2 washer/dryer sets
- cc. Indoor supply storage area for AC supplies (towels, etc.)
- dd. Staging area with seating for staff/volunteers to put on boots, coats, etc

- 3.2) Provide the space for a less disruptive workspace for employees while maintaining staff's interaction with visitors.
 - a. Clearly separate intake and reception.
 - b. Create non-public work space for staff to address prolonged phone calls regarding animal care questions or concerns. (This is private room discussed previously above).

- 3.3) Create a more efficient and welcoming visitor center
 - a. Building should create sense of embracing visitors and wildlife (pull in to site)
 - b. Open socially distanced gathering space in lobby or outdoor plaza.
 - c. Building and plaza should reflect what goes on at the facility (wildlife rehabilitation / human interaction sculpture (possibly Mike Capser of Billings Montana, quote from wildlife rehabilitator's code of ethics
 - d. Provide sufficient restrooms on the site, including separate staff, public, restrooms and a mother's room
 - e. Provide bottle water filling stations w/ drinking fountains
 - f. Provide adequate benches and seating.
 - g. Provide appropriate accessible access routes and amenities.
 - h. Provide interpretive exhibits that are accessible for all.

- 3.4) Allow visitors glimpses of behind-the-scenes operations ("Transparent" rehab experience that tell stories)
 - a. Live-feed cameras in numerous cages/exhibits YES!! With capabilities to record + view online through mobile platforms and desktop devices.
 - b. Windows into exam room, radiology, surgery, baby nurseries, food prep area?
 - 1. One-way glass for windows into nurseries
 - c. Guided tours? Self-guided if separate staff/public access areas (different hallways)?
 - d. Small classroom/auditorium capacity (25 min/50 max) with live video streams of exams, procedures, or rehabilitation in progress. (as appropriate)

- 4.1) Implement educational interpretive signage and themes throughout site (indoor and outdoor)
 - a. Outdoor - Interpret Importance of food, shelter, habitat, and water to support wildlife, functions of ecosystems to maintaining a healthy planet, Impacts that pollution, climate change, development, and habitat destruction have on these and challenges to wildlife. How to live in harmony with wildlife locally, common and uncommon DuPage County wildlife identification, migration patterns, habitat ranges, nodes, patches, corridors, and buffers, Web of Life and Food Chain system concepts and role of wildlife.
 - b. Indoor – Wildlife Rehabilitators Code of Ethics, Willowbrook mission, medicine and science of wildlife rehabilitation, stages of rehabilitation, equipment used in wildlife rehabilitation and purpose, common findings and statistics, how to care for injured wildlife and how to respond when encountering injured wildlife – Who are you going to call?.

- 4.2) Plan for educational spaces throughout with educational opportunities (space for up to 50 not 100).
 - a. Find a balance between the natural and interpretive/educational experience
 - b. Indoor displays to focus on research projects, science and medicine behind wildlife rehabilitation, patient of the day display, statistics display, radiographs displays, and "unnatural items" removed from animals (fishing line, hooks, gunshots, etc...) with animal displays limited to Herps (Amphibians and reptiles).
 - c. Outdoor Interactive demonstration gardens of uniquely themed vignettes (Planting for and living with wildlife – How to provide food, shelter, habitat, and water along with what not to do) outdoor spaces and features linking the main loop interpretive trail, rehabilitation area and visitor center. Gardens to feature examples at residential scale for attracting butterflies, hummingbirds and pollinators, attracting birds, attracting mammals, and attracting Herps (Amphibians and reptiles)
 - d. Small outdoor demonstration/classroom/amphitheater space (Less than 50 persons)
 - e. Rain garden with cleansing and recycling storm water runoff to water demonstration and native food garden plants.
 - f. Strike balance with development of site, protecting resources and telling the story.

- 4.3) Improve site accessibility
 - a. Provide a tiered system of trails of different lengths and widths throughout the site to accommodate wheelchairs, visitors of all abilities and maintenance vehicle access. (Minimize redundancy though)
 - b. Separate visitor, staff, and maintenance circulation and access.
 - c. Accommodate alternative transportation and pedestrian entrance to the site
 - d. Clearly mark and separate the main entrance area from the clinic admittance
 - e. Provide vehicle access to the 'back forty' for maintenance and snow plowing in winter
 - f. Provide clear paths of travel and wayfinding around the site to accommodate visitors, maintenance, and staff.
- 4.4) Main outdoor loop interpretive trail - Themed as a journey through local habitats, migration, road to recovery for a particular species from the endangered & threatened list or an adventure from a specific wildlife species perspective.
 - a. Provide different immersive nature experiences (from treetops to exploring a mosaic of wetland/prairie forbs and grasses to the peaceful still waters of a marshes edge and silence of underground burrows).
 - b. Starts and ends near parking lot and picnic shelter connecting east and west sides of the preserve.
 - c. Access located outside of secured rehabilitation areas and clinic/visitor center but connected via demonstration gardens and path to Clinic/Visitor center.
 - d. No live animal displays/enclosures with animals on trail. (Opportunities to view animals only in their natural settings or in restored ecosystems at observation nodes)
 - e. Provides unobtrusive themed interpretive observation nodes immersed in various ecosystems with features to assist in quiet observation of wildlife in their natural habitats.
 - f. Highlight on-going restoration work in the preserve – if you build it they will come (wildlife that is).
- 4.5) Create a strong visual or spatial connection between the visitor center and the outdoors
 - a. Use of bird friendly glass to bring outside in.
 - b. Views/vistas to outdoor features.
 - c. Incorporate greenery/imagery inside?
- 4.6) Restore existing ecosystem habitats. Allow for developed interpretive and wildlife viewing nodes along edges and perimeter with existing trail system(Design by FPDDC Staff)
 - a. Woodland Enhancements
 - b. Savannah Enhancements
 - c. Prairie Enhancements
 - d. Stream Enhancements
 - e. Marsh/Wetland Enhancements
- 5.1) Incorporate LEED design principles into the new building and create a "net zero" facility. (Avoid LEED certification cost).
 - a. Geothermal energy for heating and cooling (If feasible)
 - b. Expanded solar energy systems w/ potential battery backup for animal care building.
 - c. Use of renewable materials / recycling.
 - d. Natural lighting and lighting controls.
 - e. Local material sourcing.
 - f. Minimize urban heat island impacts
 - g. Functional storm water management plan w/ recycling, cleansing and reuse of storm water.(water vegetable and other demonstration gardens)
 - h. Minimize impervious areas with new development and maximize pervious areas wherever possible and practicable to reduce storm water runoff and pollutant loads.
 - i. Use only native plants.
 - j. Follow "Sustainable Sites" principles.
 - k. Large on site composting - need VERY large capacity
 - l. Grey water recycling system?(Part of stormwater management for site)
- 6.1) Provide space in the visitor center to highlight the species recovery projects. (Permanent or movable?)
 - a. Blandings Turtle
 - b. Monarch Butterflies?
 - c. Devils Crayfish?
 - d. Hines Emerald Dragonfly?
 - e. Smooth Green Snake?
 - f. Other Considerations TBD – Rotating Exhibits?

APPENDIX PUBLIC OPEN HOUSE FEEDBACK

Slide No.	Slide Topic	Comment	Location	Source	Date
3	Development Timeline	One person starred the note: "Current direction: Focus on rehabilitation" and noted it as "Most important"	Willowbrook	Open House	7/31/2021
4	Willowbrook Purpose	Love it	Willowbrook	Open House	7/31/2021
4	Willowbrook Purpose	Two people starred the whole slide	Willowbrook	Open House	7/31/2021
5	Willowbrook Vision	Excellent site plan! A great opportunity to build a 1st class rehab facility. I hope the building will be design/built with the unique & special needs of wildlife medicine & care. Thank you!	Willowbrook	Open House	7/31/2021
6	Design Program Goals	Want to see animal feedings	Willowbrook	Open House	7/31/2021
6	Design Program Goals	Multiple stars for the various design program goals: 3 for 1) To transition away from having a collection of non-releaseable animals to focusing on rehabilitation and reintroduction into the wild 2 for 2) To improve animal safety and conditions for the rehabilitation and restoration of animal species 1 for 3) To improve facility safety and efficiency for staff and volunteers 1 for 4) To engage and immerse the public in the wildlife rehabilitation processes and native ecosystems 2 for 6) To make Willowbrook Wildlife Center more sustainable and energy efficient	Willowbrook	Open House	7/31/2021
6	Design Program Goals	Collections/display of wildlife was good education tool - enjoyable	HQ	Open House	8/10/2021
7	Rehabilitation Today	Pretty sad that fishing is allowed resulting in this	Willowbrook	Open House	7/31/2021
7	Rehabilitation Today	One person starred bullet item, "Change in mindset in regard to animal welfare of resident animals"	Willowbrook	Open House	7/31/2021
7	Rehabilitation Today	One person starred bullet item, "Advances in wildlife medicine and rehabilitation practices"	Willowbrook	Open House	7/31/2021
13	Existing Site Plan	Clean up woods (between Park Blvd & parking lot south of entrance drive)	HQ	Open House	8/10/2021
13	Existing Site Plan	Reconsider north & south trail connections to park	HQ	Open House	8/10/2021
15	Proposed Site Diagram	Live feed re-hab into homes	HQ	Open House	8/10/2021
17	Design Concepts	One person starred each of the three design concepts	Willowbrook	Open House	7/31/2021
18	Potential Sustainability Features	All of these are great initiatives	Willowbrook	Open House	7/31/2021
18	Potential Sustainability Features	Two stars on rainwater harvesting, one star on solar array, 2 native landscaping, 1 dark sky lighting, 2 geothermal systems, 2 bird-friendly glass, 1 energy efficiencies, 1 low embodied carbon material	Willowbrook	Open House	7/31/2021
20	Wildlife Garden & Plaza	All good ideas	Willowbrook	Open House	7/31/2021
20	Wildlife Garden & Plaza	One person starred the whole slide	Willowbrook	Open House	7/31/2021
20	Wildlife Garden & Plaza	What about re-using the existing brick pavers (donor pavers)?	Willowbrook	Open House	7/31/2021
20	Wildlife Garden & Plaza	Monarch watch signage for pollinator gardens	HQ	Open House	8/10/2021
21	Interpretive Trail	Prairie & wetland & stream restoration please	Willowbrook	Open House	7/31/2021
21	Interpretive Trail	Two people flagged the whole slide	Willowbrook	Open House	7/31/2021
21	Interpretive Trail	Two people starred the stream restoration photo	Willowbrook	Open House	7/31/2021
21	Interpretive Trail	*Healthy ecosystems	HQ	Open House	8/10/2021
22	Wildlife Observation Areas	Less developed is better	Willowbrook	Open House	7/31/2021
22	Wildlife Observation Areas	Not too much development - keep it natural	Willowbrook	Open House	7/31/2021
22	Wildlife Observation Areas	One person flagged this slide	Willowbrook	Open House	7/31/2021
23	Outdoor Classroom	I like the covered & blended options	Willowbrook	Open House	7/31/2021
23	Outdoor Classroom	Covered, blended & natural good	Willowbrook	Open House	7/31/2021
23	Outdoor Classroom	One starred the blended photo	Willowbrook	Open House	7/31/2021
23	Outdoor Classroom	Gathering space is good for school groups/field trips, but also birding groups, etc.	HQ	Open House	8/10/2021
24	Indoor Rehabilitation	As long as staff is ok w/ windows for public to view their work I think this is a great idea	Willowbrook	Open House	7/31/2021
24	Indoor Rehabilitation	Two people starred the whole slide	Willowbrook	Open House	7/31/2021
24	Indoor Rehabilitation	Balance to engage people w/ wildlife w/o harm to them is very important	HQ	Open House	8/10/2021
25	Indoor Education Opportunities	Education of public is KEY!	Willowbrook	Open House	7/31/2021
26	Proposed Implementation Plan	Two people starred the "Move resident animals into newer outdoor enclosures."	Willowbrook	Open House	7/31/2021
28	Keynotes and Milestones	Kids flagged photo of feeding mink	Willowbrook	Open House	7/31/2021

PUBLIC OPEN HOUSE FEEDBACK

Topic No.	Comment	Location	Source	Date
1	There is a difference between rehabilitation and propagation and the question only addresses rehabilitation. District needs to be clear if they mean rehabilitation or propagation when presenting to the public, noting the difference.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
2	Two people commented that they believe priority, effort, and funding should not be given to more common animals like raccoons, robins, Canadian geese, etc. For example, raccoons are a big predator to endangered animals like turtles, etc. and should not have the same emphasis for reintroduction. (Specifically, the rehab of raccoons conflicts with the propagation of the Blanding's turtles since they are the biggest predators of the turtles.) One person noted that resources and time for more endangered and unique species should not be sacrificed for the common species.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
3	There is a lack of dishwashing facilities and it should be addressed.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
4	The images shown seem appropriate to Willowbrook. Natural elements and having a building that doesn't "feel foreign".	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
4	Natural forms are great and can provide that strong link between the building and the outdoor areas (indoor/outdoor spaces).	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
4	I'm a volunteer and I've brought all my out-of-town guests to the center to see the exhibit areas	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
4	The general public want to see "natural appeal" when they arrive. It needs to be "nice", and animals need to be able to be seen in their natural environment	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
4	As a volunteer, he hears the #1 reason people come is to see the animals. People are wondering if they will still be able to see the animals.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
4	Provide a harmonious facility that can integrate a building safely and effectively into the environment. Things like bird safe glass is a nice, teachable moment.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
4	Willowbrook should set an example for what people can do at home, such as planting food for wildlife, and other teachable moments.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
4	"Who lives here" signs in the various ecosystems along the trail would be a great addition"	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
4	Narrower, less obtrusive trails preferred.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
5	A more welcoming entrance to the walking trail is needed. Simple and playful signage will be helpful. Making the elements more "engaging" will be beneficial.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
5	The pond and stream have tremendous potential for more interaction from people and animals. Interpretive signs in locations relative to their content will be helpful. The volunteer also thinks a trail closer to the stream to encourage wildlife would be good.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
5	I like the addition of more signage and information to enhance appreciation of the site.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
5	There is a structure at the north end of the stream. Who's responsible for it? It's basically a dam.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
5	Signs that appeal to all ages of visitors - not just the very young.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
5	Great to add signs about wildlife.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
6	Former ranger and volunteer who took care of structures. She likes structures that mitigate vandalism. Many of the images shown look to be easy to vandalize.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
6	Can some gardens be divided off at "residential scale" to show how people can create similar wildlife sanctuaries in their yards	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
6	she likes the observation decks/nodes at key locations that people can spend some time at to watch nature and/or meet other people.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
6	Animal care volunteer (and birdwatcher) here. Given the small size of the "Back 40", I think that the less developed structures would be more appropriate. The more developed ones seem like they would be overwhelming. Going back to the former slide, I think that narrower and less obtrusive trails would also be better.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021

6	Likes webcams to pique interest nationwide.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
6	Encouraged observation area at water (wetland and stream)	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
7	The benches with larger stones are attractive. Covering for shade is nice due to the sun/weather in Illinois; also liked the more natural feel of the stones/outcroppings.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
7	Noted that a shade structure might feel heavy, so the open/filtered shade example is preferred.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
7	Spaces that are indoor/outdoor would be ideal. Shade is important.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
7	Let's keep in mind easy access for differently abled people, areas that are safe for young children and older populations.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
8	Providing information to visitors about why animals got there would be good (like hit a window, caught in a soccer net, swallowed a fishhook, etc.) might help to reduce incidents as well as being interesting	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
9	Fully support the new vision to focus on the rehabilitation of animals and getting away from resident animals. Caution about too much glass when viewing the process. Staff clarified that it will be one way glass or video. Wanted to make sure that animals are not stressed by the viewers.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
9	Hearing the story of the patients that have been brought in and integrating technology into the story will be great, could be an opportunity to use touch screens or something similar for the story, also perhaps taxidermy	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
9	These are all very important education opportunities in these last 2 sides	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
9	How to deal with euthanasia: It is an important part of the education. Include images in future slide shows on this education topic.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
9	Animal care volunteer here. Question regarding the video feeds. Will there be some way to curate what people are seeing? If they see someone in Raccoon Flight Cage (appropriately) scaring off overly curious raccoons, they might misunderstand and think the volunteers are being "mean".	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
9	Love the 'behind the scenes' idea.	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
10	Geo-Thermal environmental systems!	Willowbrook	Open House - Stakeholders and Volunteers	7/20/2021
10	Rehab enclosures need sufficient drainage for hosing down and need sufficient height for those that need to be entered Thank you for holding the focus group yesterday, it was very informative. The designs for the new center are fantastic, and I look forward to working in them! I did have a few things to say that I didn't feel comfortable sharing on the call. I've been a WB animal keeper volunteer on Saturday afternoons for over 20 years. When I started we only had two pair of regular, household washers and dryers. And a room full of breeding mice/rats in aquariums. We've certainly come a long way. In the last few years, there has definitely been a huge increase in the number of wildlife we've received. I understand the reasoning behind not taking in non-native animals, as well as skunks, bats, etc. And while some volunteers may feel that geese, robins, raccoons, etc. are less deserving of rescue/care than other less common wildlife, rejecting those animals can't be an answer. We're helping people as much as we're helping wildlife. If we don't accept these animals, people may take on their care themselves, perhaps habituating them. I'm sure you're aware there are very few places that take in wildlife. Willowbrook has an outstanding reputation; that may be one of the reasons that people come from other counties to bring in their wildlife. (I know this is a long-shot, but since we document where the animals come from, would it be possible to charge those counties' forest preserve districts a fee for each animal brought in?)	Willowbrook	Open House - Stakeholders and Volunteers	7/21/2021

APPENDIX PUBLIC OPEN HOUSE FEEDBACK

	I would like to thank you for the opportunity to participate in the Willowbrook Focus group. I found it very interesting and informative. The work that goes into a master plan such as this is neither easy nor fast. I can appreciate the time and energy that all of you have put into this. Hearing comments from the volunteers, many of them with years of service, was very helpful in understanding potential needs from an experienced viewpoint. As I have mentioned in earlier emails, I have not had as much exposure to Willowbrook directly as many of the others. My family and I have visited in the past prior to the expansion of the parking lot. We have spent much time in other Dupage and local Forest preserves. Nature and the outdoors have always been a big part of our lives. I read and reread the master plan prior to the Focus group meeting to have a good idea of what was going to be discussed. My wife and I also visited Willowbrook two weeks ago to walk the grounds. We spoke with one of the volunteers near the main gate. There were a number of people on the paths and viewing the animals even in the early afternoon. We enjoyed the pathways with the various seating areas laid out along the way. The enclosures were old and outdated looking similar to what we have seen at other similar preserves. (Please note that any comments or observations are not meant to be mean or hurtful.) So, on to my impressions of the information presented. I understand that the photos and drawings are all conceptual and not locked in stone. Outside Appearance and Gardens: The parking lot looks new and fresh with plenty of places to park. The paver block surface looks much "greener" than a concrete or asphalt area would. I like the ideas shown to add some outside appeal to the buildings and surroundings with native plants, pond or similar habitats as shown in the first slide. It would be a nice update and wow factor to draw people in.	Willowbrook	Open House - Stakeholders and Volunteers	7/22/2021
1	Howard Goldstein: this presentation changed his perspective on the project. He is a neighbor and was a proponent of seeing the resident animals. He now appreciates what the new vision is (RE: quality of life) and is a proponent of creating opportunities to see the animals in the wild.	Willowbrook	Open House - Stakeholders and Volunteers	7/29/2021
1	Selling: the project looks like no money was spared and requested to understand what was not included in the project. Kevin clarified that we are early in the process and are currently looking at all options and will work to a budget as we progress through Schematic Design. Kevin also noted that Willowbrook has extensive volunteers and donations. The Sellings requested to know what portion of the project will be funded by donations vs the by the district. Kevin also noted that there are opportunities for grants possibly to aid in funding.	Willowbrook	Open House - Stakeholders and Volunteers	7/29/2021
2	Selling: What are you doing to connect these trails to the rest of DuPage County? These animals can be seen in other locations closer to people homes. Green Valley is rumored to have the largest range of animals and it would be great to connect this all county wide. Kevin noted that we are looking at connecting video feeds from other locations.	Willowbrook	Open House - Stakeholders and Volunteers	7/29/2021
2	Goldstein: He agrees that the back 40 needs infrastructure improvement. There are some nice side trails like the safari trail. Are there opportunities to improve some existing ones (at property near 22nd Street). He likes the idea of keeping it "natural" & "mysterious" with smaller trails and less.	Willowbrook	Open House - Stakeholders and Volunteers	7/29/2021
2	Diane Sellinger: What percentage of the budget is the trail? Kevin: We are not able to give a percentage at this point but we are looking at minor adjustments for better wildlife observation to provide unique experiences and it is not a large percentage of the overall budget.	Willowbrook	Open House - Stakeholders and Volunteers	7/29/2021
3	Goldstein: He likes the blended options of seclusion and mixing with nature. He could see people utilizing something that goes into the marsh. And other areas can be secluded and observe animals from afar.	Willowbrook	Open House - Stakeholders and Volunteers	7/29/2021
5	Selling: Why is it important to have a healthy ecosystem? It's also important to express the natural cycle of nature (animals eventually die and we can't save all of them).	Willowbrook	Open House - Stakeholders and Volunteers	7/29/2021

5	Goldstein: It would be nice to have a range of window size and heights so all sizes and types of people can see in.	Willowbrook	Open House - Stakeholders and Volunteers	7/29/2021
5	Selling: Reports that eagles have been seen in other parts of the county. Is there opportunity to show this to Willowbrook visitors? Kevin will look into the reports and can clarify what observations have been made.	Willowbrook	Open House - Stakeholders and Volunteers	7/29/2021
7	Selling: how does planning for Willowbrook work within the entirety of the 5-year plan that DuPage County Forest Preserve conducted.	Willowbrook	Open House - Stakeholders and Volunteers	7/29/2021
7	Goldstein: Is the district clarifying parts of the project that can be donated to? How is that being distributed?	Willowbrook	Open House - Stakeholders and Volunteers	7/29/2021
7	Linda Painter: there are two more in-person events to attend. Kevin noted the session is recorded and will be put online as well.	Willowbrook	Open House - Stakeholders and Volunteers	7/29/2021

APPENDIX WEBSITE AND SOCIAL MEDIA FEEDBACK

<u>Comment</u>	<u>Individual</u>	<u>Location</u>	<u>Source</u>	<u>Date</u>
Great place. Thanks for all work to keep it up and improve it.	Rosann Feeley	Elmhurst	HubSpot	6/1/2021
Survey seems to be defective. Unchecks things when I select a response for the next question.	Tracy Wrona	Roselle	HubSpot	6/2/2021
I strongly support the Phase II master plan improvements. I have lived in Naperville since 1997 and I want to thank you for all of your efforts. They are greatly appreciated. Really the best use of my tax dollars!	George Kalinka	Naperville	HubSpot	6/3/2021
I am very interested in viewing plans and providing input. Willowbrook is a special place with an exceptional staff that really needs attention.	Cathleen Wallin	Glen Ellyn	HubSpot	6/3/2021
Your survey was not working properly on my iPad.... Answers were disappearing as I checked them... so the survey you got was not complete :(Jeri Shaw	Villa Park	HubSpot	6/3/2021
I believe the proposed expansion plans will enhance the care for short-term and long-term Willowbrook animals. I think this is a positive elevation for the community and it's animals. It is very important to me to help injured animals and hopefully re-release them, if possible. I love the current center and its mission. I would love even more to aid countless further animals each year.	Kaitlyn Kieronski	Naperville	HubSpot	6/3/2021
I just filled out the survey and was unable to complete question 7 since the boxes would not stay checked. I did fill out some comments instead but maybe this could get fixed since the questions looked like they would provide valuable input.	Linda	West Chicago	HubSpot	6/3/2021
Survey isn't working correctly. Once I was going through the different categories and assigning "very important, not important" attributes once I clicked to assign an attribute to the second category the first checkmark would disappear. I would be happy to fill out the survey once the problems have been fixed.	Ruth Gauss	Winfield	HubSpot	6/3/2021
I have lived in GE for most of my adult life and love this wildlife center. It gives us a zoo so to speak. Now I live walking distance to it and have brought my grandchildren there, etc. It would be more attractive to the public if you expand, etc.	Karen Irish	Glen Ellyn	HubSpot	6/5/2021
I would support the Forest Preserve District spending any kind of money for improvements. I spent one of the most memorable days with my niece and nephew at Willowbrook. The ladies patiently answered all of their questions with a smile. I love this place.	Kathryn Oberle	Lombard	HubSpot	6/6/2021
In the goals and objective sheet there is mention of improvement public access and exposure to the rehabilitation process. Say and address "education." Programs across the district emphasize education. Please emphasize education in the district's plan for Willowbrook.	Tom Teune	Wheaton	HubSpot	6/7/2021
I think this is an absurd amount of money to spend ,in general, let alone on wild life. This represents a significant imbalance of funds used in one location that could be used in many other places. A more modest plan that is far less than 24M dollars needs to be developed that balances improvements across ALL the forest preserve properties.	Diane Sellinger	Naperville	HubSpot	6/8/2021
Looking forward to the changes.	Lorraine Pachankis	Lisle	HubSpot	6/16/2021

APPENDIX WEBSITE AND SOCIAL MEDIA FEEDBACK

Putting money into new infrastructure is great, and your plans sound good. But I ask that you always keep your mission to the forefront -- wildlife rehabilitation, not becoming a zoo. This to me means hiring the right management, people with the right education and the ability to create a healthy working and volunteer environment. I would like to see a plan for external, random oversight that ensures that no animal is kept in captivity that is ready to be released, not retained for educational purpose. While being rehabilitated, the animals need to be in as close to natural habitat as possible. Finally, ask or pay qualified vets to review release, retention, or euthanization decisions. If an animal is euthanized, it should be done as humanely as possible. In other words, review all procedures and practices and maintain oversight.	Kathleen Fischer	Lisle	HubSpot	6/19/2021	We have been members for years & enjoy bringing our kids & now grandchildren to the center. I believe it is important that the public can see live animals up close. This is especially important for children who can then form relationships with wildlife and encourage them to try to protect all native animals, plants, and eco systems. They are the ones who will carry on the mission and if they feel connections to wildlife, then there is hope to save these important animals, habitats, and ecosystems.	Liz Whitney	Glen Ellyn	HubSpot	7/27/2021
I would like to request an invite to the 7/29/2021 Zoom meeting. Thank you.	Mark Thomas	Naperville	HubSpot	6/22/2021	Hope you know I raised funds for this to happen. I no longer live in Illinois but glad to have contributed to the well being of wildlife over there.	Lola Marina (@Holarina)	Out of state Minnesota	Twitter	7/27/2021
Your plans sound wonderful on a much needed project. However we will agree to all of your plans as long as it does not increase our taxes in anyway. We the people in Illinois have to many unfair taxes causing a very heavy burden on the Illinois Families. Thank you.	Michael and Phyllis Gallichio	Glen Ellyn	HubSpot	7/10/2021	I still remember the modest look Willowbrook had 30 years ago when I started there as a volunteer in the summer of '91. LOTS of changes since then! This is great news!!! Wow. Very cool Would be great	Howard Oller	Iron Mountain, MI	Facebook	8/2/2021
My home backs up to the forest preserve wilderness center. In 2015, I noticed more stormwater coming onto my property after you completed your renovations. I spoke with someone there asking why this would be. I have very strong opinions on your plans. 1. Please make certain you develop drainage plans for any construction or grading work. We are on a high water table and it will impact surrounding homes. 2. Please keep the only entrance to the center on Park Ave. We do not want increase traffic or attempted parking on side streets (Buena Vista) around the center. 3. Do not allow any road traffic through Milton Ave. This would increase traffic and noise for the homes that exist there. 4. The center is located in a residential community. Keep this in mind during your planning and execution. Do not sacrifice the value of surrounding homes. Do not disturb the peace and quiet of our community. Take into consideration traffic patterns. Buena Vista already has too much traffic moving at a high speed. This is a major complaint of the residents on our street. We nearly get run off the road just trying to pick up our mail. Thank you.	Cristina North	Glen Ellyn	HubSpot	7/13/2021	I volunteered at Willowbrook in the late 50s and early 60s as a young girl growing up in Glen Ellyn. Mrs. Hoger taught me, and showed me, the need for a rescue as homes supplanted animals' territory. It is far worse today as cement cuts through the animals' forests and homes. I support the expansion of Willowbrook, many decades after its initial beginnings.	Vicki Hansen Weiland Carole Anne Cech Carol Ellinghausen Banks Henry Janis Kathy Zang	Palos Park La Grange Berwyn Atlanta Geneva	Facebook Facebook Facebook Facebook HubSpot	8/2/2021 8/2/2021 8/2/2021 8/2/2021 8/2/2021
A couple of times I brought in injured birds or small mammals that you wouldn't take because they were common. It would be nice if you did or at least put them down humanely.	Pam Stacey	Woodridge	HubSpot	7/20/2021	The Willowbrook site is in need of updating to meet rehabilitation standards. I am happy to see that this project will move forward.	Sherri Slupski	Wheaton	HubSpot	8/4/2021
WWC is wonderful. Donating supporter visitor for over 30 years. We love it. We support you!! More room for raccoons please! Would like Zoom link please for this coming week's meeting.	Nancy Fal Amy Wiesner Smith Marsey Lee Laura Flamion	Chicago Downers Grove Villa Park	Facebook Facebook HubSpot	7/21/2021 7/21/2021 7/24/2021	Very exciting and much deserved for all the help you provide Having volunteered back in 1984-85, I always felt Willowbrook was a fantastic space. I brought my own children years later and have always felt it was a well managed preserve. I'm sure more space is needed as even back then, more pens/cages would have been nice. I really don't have much to add. The plans look wonderful and I hope they go forward as I will be bringing my grandkids as they get older. When I volunteered, Paul Beaver was the manager, and Paula Sparrow was the animal careperson, and that always made me smile. The proposed expansion is a great idea! Hope it comes to fruition. Gosh, I remember in the 70's working as a Volunteer in that little house that was donated before the big 1st facility was built! I so remember Volunteer Marv and Dr. Paul Beaver and Vet...Paula Sparrow?! Need more facilities for treatment. I grew up in DuPage County and still as a visitor and soon-to-be volunteer at the center, I am very excited about the center's future helping wildlife and educating the public.	Roberta Bodine Debbie Kennedy	Plainfield Darien	Facebook HubSpot	8/5/2021 8/5/2021
						Ilze Blanken	Lombard	HubSpot	8/5/2021
						Terri Voitik	Aurora	Facebook	8/11/2021
						John Heneghan	Big Rock	HubSpot	8/11/2021
						Toni Kim	Hawthorn Woods	HubSpot	8/11/2021

Question 4

The mission of the Forest Preserve District of DuPage County is to “acquire and hold lands containing forests, prairies, wetlands and associated plant communities or lands capable of being restored to such natural conditions for the purpose of protecting and preserving the flora, fauna and scenic beauty for the education, pleasure and recreation of its citizens. "Which item below is the most important thing Willowbrook Wildlife Center should do to meet this mission? (Check one)

Other (please provide brief description)

- Rear and rehabilitate healthy native wildlife at levels that local healthy wildlife populations and habitats can sustain. The emphasis should be assuring the health of the wildlife populations and plant communities where animals are released. receiving population. Cal healthy wildlife populations and habitats can...healthy wildlife populations and habits.
- Acquire and maintain natural areas for taxpayers to enjoy
- Look after hurt animals
- Be a model of sustainability using native plants and eco-friendly design.
- While I would want rehabilitation and reintroduce back to nature, I would hope that there would be some taking care of animals who have been up injured and cannot go back into the wild. They may be by way of getting them to an animal sanctuary somewhere.
- Help people who find/have questions about wildlife in their area
- All of the above
- Restore stream running through property
- Help people develop a deep understanding that humans are just one small part of nature and don't own it.
- I think rehab and education equally important -- and seeing the animals is the big draw for kids
- Educate, rehabilitate, and restore. All are important
- All 3 of the 1st 3 choices are equally important: rehab wildlife, exhibit with animals' quality of life in mind, & make accessible for people to learn & enjoy also. Without any of these the Center should not exist.
- Retain most of the open natural land there, don't cover it with buildings. Maybe you need another larger acreage for this new plan.
- All of the above - I feel like each of those pieces link together. By educating the public, that leads to people bringing in animals to rehabilitate. Exhibiting animals in a stress-free/safe way is a great way to facilitate engagement with people and your facility. Restoring the native ecosystems makes it possible to reintroduce the wildlife back to their natural areas. And discussing connections between sustainability (etc.) drives home the lessons you teach people when you educate them about wildlife and why they should care/what they can do to help. All 5 of those things you listed are critical.
- Make the outside exhibits larger and more similar to natural habitat similar to the Wildlife Prairie Park in Peoria
- Keeping as much open land possible with trails for walkers is very important for the overall Forest Preserve mission. As I look at the proposed plan, surely it will encroach into the ecosystem of the forest and prairie that is part of Willowbrook Wildlife Preserve. It is equally important to rehabilitate animals and reintroduce back to natural areas, however, please balance the construction plans with an eye toward preserving the adjacent natural preserve area. Some people visit the Center strictly to walk and enjoy nature. There really isn't any other comparable nature area to walk within the 3-mile vicinity.

- They are all important can't say one is more needed than the others, one thing I would like is to have a way to reach someone after hours to bring in an injured animal or ask questions on how to care for it till you are open

Question 5

The mission of Willowbrook Wildlife Center is to be a native wildlife rehabilitation facility that provides care and medical treatment to injured and orphaned wild animals and to serve as a resource to teach DuPage residents about living in harmony with local wildlife. Which item below is the most important thing Willowbrook Wildlife Center should do to meet this mission? (Check one)

Other (please provide brief description)

- Look after injured animals
- Wildlife rehabilitation
- All of the above
- Educate, rehabilitate and restore
- The answer & the question are same as above. 1st 3 equally important. Note differentiating your mission and vision is a joke. They are the same.
- Another additional location might be needed to fulfill all your plans. I like Willowbrook because there is open land. Took a dementia person there about 3 years ago and a deer crossed out path. Besides the exhibits of wild animals (vital for children to learn about them) there must be the wild open woods and prairie.
- Same as my previous answer, all of the above. I'm so sorry I cannot narrow it down. They're all interlinked.
- Since private residential land is a huge part of the natural ecosystem, residents should be assisted in converting and improving their properties to support not only native wildlife but also human health

Question 6

The vision of Willowbrook Wildlife Center is to be a state-of-the-art wildlife rehabilitation facility that is a national leader in engaging visitors in veterinary science, medical care, and wildlife rehabilitation while championing healthy interconnected ecosystems to foster safe, healthy, and sustainable communities for all living things in DuPage County and beyond. What additional suggestions do you have that could help Willowbrook Wildlife Center meet its vision?

Other (please provide brief description)

- Doesn't have to be a national leader. Take care of our DuPage County animals. This is taxpayer dollars.
- The new plans for outdoor classrooms and expanded education sound perfect. I would love to learn more about identifying local native (and non-native) plants and wildlife, and what we can do in DuPage, both personally and as a community, to provide better habitats that keep them all safe.
- Continue education efforts for residents and school children
- Signage promoting wildlife
- What about a native plant sale to support the center and promote one of your missions, to show native ecosystems
- Exhibits on coexisting with wildlife and promoting responsible pet ownership- like an example patio, ways to wildlife proof a house, etc.

APPENDIX PUBLIC SURVEY FEEDBACK

- Public outreach. If more people knew what you do there they would be more likely to donate. You can't achieve these goals without funding.
- Try to get more stories about the facility and success of rehabilitation on the local news shows such as Brookfield zoo does to raise broader awareness and support across the region.
- Limit the number of animals accepted to decrease overall spending. Focus on educating/education circle of life concepts.
- I think kids should be able to have interaction with the tame animals, and maybe the workers should do little animal show for entertainment and to educate
- Educate about the importance of individual choices including being humane to our wildlife neighbors and how our choices affect the environment as a whole and those animals' habitats. For example, reducing plastic, reducing food waste, and moving towards a plant-based diet.
- Keep doing what you're doing! Love & support you!!
- I think Willowbrook is doing an amazing job and I support their plans to do even more.
- More outreach and educational programs as well as volunteer opportunities.
- None you do great
- Ability for visitors to view the baby animals better. The window currently is very small and things are stacked in front of it. We love seeing all the animals, but the nursery is our favorite.
- Open up more volunteer opportunities
- More staff
- Larger and more natural enclosures for wildlife on exhibit
- Better viewing of rehabilitating animals but so as not to disturb them perhaps streaming
- I do feel it is important to have an area for visitors to view some of the snakes/turtles/birds.
- Be more active on social media with events and/or "things to do" as I do not feel most residents know enough about the facility.
- Stop rehabilitating meso-predators like raccoons and start head starting your own Blanding's Turtles and Green Snakes.
- Maybe partner with a private veterinary clinic or two with expanded hours so that an animal could be brought in and safely housed when the center is closed?
- The Wildlife Center is a part of DuPage County Forest preserve. It is not a private not for profit or foundation therefore its mission should align with the goals of the Forest Preserve.
- Do not forget to include the public in your new re-focus. Remember that children benefit from exposure to both animals and plants. I fear that you will become so focused on animal welfare that the public will no longer see wildlife at your facility. You need to see the balance in your mission.
- Community outreach needs to go to where youth are in our communities. Not all families think to visit our wonderful natural resources or can afford to take time off to get their kids to these great educational opportunities. Find ways to bring the conservation and wildlife conversations to kids where they are at.
- Having animals that cannot be reintroduced back to native areas s/b displayed so children & adults can view them w/o stressing them. This will be especially important for children so they can form a relationship with nature and not be scared of wildlife.
- Provide advertising about Willowbrook's efforts to rehabilitate wildlife. Our Nextdoor Neighbor blog frequently has questions about injured wildlife. Fortunately, many members have suggested Willowbrook as a resource. Getting the word out about Willowbrook's mission is a valuable education tool for the entire community.
- Develop age-appropriate educational presentations on wildlife habitats, interconnected systems, rehabilitation, animal injury prevention, etc. Use hands-on and interactive techniques incorporating live animals in appropriate ways. Offer experiential learning as well as service-learning.
- More viewing windows for visitors to see the clinical side of care. Perhaps open time slots for small sized public tours (1-3 people or something like that)
- Improve upon outdoor trail experience with trail improvements and by incorporating information about the rehabilitation process with outdoor exhibits.
- I think they have a great thing going with lots of opportunity for growth. They serve as a role model for other rehabbers and agencies that deal with wildlife. I support any measures to support their staff manage their intake and provide care for wildlife in need. I also support initiatives that strengthen partnerships with local police/animal control, wildlife rehabbers, and animal rescue organizations.
- Provide training to establish and support more private rehabbers in the community.
- Environmental education
- I think it is important to ensure the public is well educated about what is being done at the facility. I think this is done by continuing to display rehabilitated animals, as well as to better display the ongoing relief efforts to the public. What I mean by the latter is creating medical and rescue facilities where the public can literally see the work going on. There is some of that now (pre-pandemic) but most of what is being done is behind the scenes. Open up the scenes.
- Keep doing what you're doing and step it up whenever possible going forward. Expand, educate, acquire more funds where you are able (tall order but do whatever is necessary), and stay the course of expansion and education.
- More veterinary students opportunities.
- Stop using tax dollars on animals Outside of DuPage County. Willowbrook then doesn't have the resources for MY in-county animals. I also disagree with providing unlimited resources to wildlife Rehabilitators in Illinois free of charge. Tax dollars! And some species need limits. Willowbrook is propagating endangered Blanding's turtles but rehabilitating raccoons with plans to rehabilitate And release even more! Again, many from out of county only adding to the overpopulation of raccoons in DuPage County.
- Publicize opportunities for the public to view staff rehab and rescue activities
- Please continue kids summer camps. My kids loved them and they were such a fun and enriching experience. Expand programs/events to engage the public. Continue with the animal exhibits, because they draw families with children who will in turn learn about your important mission, programs, our local ecosystems, and how we interact with them.
- No suggestion I think you do a very good job
- More formal programs that people can participate in hands on activities
- No additional suggestions at the moment; I believe WWC is doing a great job and service to community
- Promote more of your community events - I would love to hear about them!
- Programs where all ages can interact, learn about wildlife and what they can do help them. I think some caged animals (ones that can't survive in the wild) help people make a connection and deepen concern for wild creatures
- Accept injured animals 24/7
- Do not over improve!
- Maintain a close professional working relationship with federal and state wildlife biologists and conservation biologists, and organizations especially the National Wildlife Rehabilitators Association.
- When the one-way glass windows are installed, perhaps the Center should include a volunteer or docent who can act as an interpretive guide for visitors; watching the process of x-rays, euthanasia, and other medical treatments will be educational in and of itself, but this activity presents a great opportunity to assist in the public's education with verbal interpretation. The volunteer/docent's discussion with visitors could even be constructed in a way where visitors

APPENDIX

PUBLIC SURVEY FEEDBACK

walk away with a crystal-clear understanding of what they can do differently to prevent things like vehicle, gun, or other human-wildlife conflicts that bring the animals into the Center in the first place.

- Use intern vet students for the majority of need to keep cost down. maybe offer vets to donate a day per month to keep costs down. Maybe offer free RV parking for a traveling vet to work.
- None. So glad you're there
- Expand community education outreach
- Have a visitors' center that allows views into treatment and operating rooms, continue to have classroom settings for visitors/programs like enrichment days, basically use the concept of the original indoor and outdoor spaces but just update them, add technology and learning tools along with the proper facility that give the long term, forever animals a safe, serene place to live and provide more room and treatment areas for the animals being cared for prior to their release
- Focus on the rehabilitation with the most emphasis on their care and returning to the wild.
- My 7-year-old daughter wants to be a vet when she grows up, and I know she and many other young people would enjoy more focused, "future vet" programming that might allow them to help out at Willowbrook in some maybe small but tangible ways. Getting that behind the scenes look at what vets and others who work with animals really do would be totally unique and so meaningful to kids who are seriously interested in this stuff.
- As a community member, I enjoy visiting the center, walking on the paths, and seeing the animals. But I'm not really sure exactly what you do and how. I think it would be helpful for people to have a better understanding of that and to know if the public is supposed to utilize your services, when and how do they do it.
- Willowbrook does an amazing job and you have a great plan in place to meet your vision.
- While I believe Willowbrook's main purpose is to rehab wildlife and return them to nature, the center's role in educating the public on how to live with nature is extremely important. But I'd hesitate to increase the public traffic since the preserve is so small
- Wildlife rehab is the job. Please don't commercialize it.
- Engage the visitors with the core mission - wildlife habitat restoration and wildlife care - through actionable advice that may be implemented at the visitor's own neighborhood/home.
- **DO NOT SACRIFICE THE PEACE AND QUIET OF THE RESIDENTIAL COMMUNITY SURROUNDING THE CENTER TO BUILD OUT YOUR VISION!!!**
- Willowbrook is really special, happy to see the expansion plans. Hope to see even more additions in the future.
- Expand on rehab areas and clinic space
- Do more with local schools. encourage field trips.
- Give a home to non-releasable wildlife
- School and library outreach
- Larger more natural areas for exhibit animals. Wildlife Prairie Park near Peoria is a good example.
- Inform young people about careers in veterinary science.
- Increase outreach to educate more residents about when/how wildlife may need protection/rehabilitation
- Don't spend all money reserved for new clinic on building itself but also set aside funds to allow wildlife with more expensive conditions to get treatment they need and have reserves to spend on additional staff and equipment as needed. We fully support ecofriendly features and extra programs if affordable/sustainable but not at the expense of medical care.
- Besides rehabbing wildlife, you should also provide an educational experience. Sharing your animals with the public in a stress-free way for the animals' sake.

- "State-of-the-art" facility is subjective. Too wordy a vision statement that needs to be clarified, especially "all living things" when it doesn't accept nonnative animals. What can Willowbrook do to support wildlife that's already crowded out?
- A more natural environment for the injured and rehabilitated animals
- Classes or workshops to educate the public about what work is done at Willowbrook and to encourage habits that benefit nature.
- I don't think that this vision is well known. Probably to only those that visit the facility (Unable to do so during the pandemic.) or live in the area. What steps are you taking to reach those that may not know or may have less interest but might become engaged and supportive if they knew more? How are you engaging young families as getting children involved in nature can set a lifelong interest in the outdoors?
- Offering more classes and opportunities to learn.
- Educating people about wildlife, their habitats and the devastating effects of pesticide and herbicide use
- Don't take raccoons anymore. Since these animals are highly subsidized by humans, we need to change human behavior to address the raccoon overpopulation problem - not rehabilitate them.
- There are many other species in need of conservation (endangered & threatened species) that require human intervention instead overpopulated species.
- People visit Willowbrook to learn about the animals that live around them. Learning about the rehabilitation process is not the main reason they come.
- I think the most important things are the Rehab Center facilities, which would save and rehabilitate injured wild animals. The visitor center does not necessarily need to be an expensive showpiece, as the main purpose of staff should be animal care and rehabilitation -- not dealing with visitors and the general public.
- Offering sustainability suggestions that can be incorporated into local schools/ curriculum to educate children on the importance of doing their part, while encourage schools to plant gardens, compost, etc.
- Let the public/animal lovers know what they can do to help your mission.
- Make the center blend into the natural environment.
- Increase outreach to aid in donations that meet the daily needs of the facility.
- Educate the public about the importance of maintaining and acquiring natural habitat areas.
- I think many of the things in the above question go together—rehabilitating wildlife and educating people go together towards the same goal. Willowbrook is a wonderful resource in our area.
- Good rehabilitation being performed and like adding more facilities
- None, as I believe it fulfills its vision now.
- I need to give this some thought.
- More programs to teach our children about animal rehabilitation and the things we should or shouldn't do at home that could cause harm.
- Continue the work you are doing.
- Continue finding ways to educate the public of the importance of nature and how they can care for it.
- Maybe offer tours to educate people about your facility.
- Put limits on numbers of rehabilitation of very common species found in DuPage County. Like those that have been established for raccoons, (to maybe include skunks, squirrels etc.)
- I think you do a great job now!

APPENDIX PUBLIC SURVEY FEEDBACK

- I think Willowbrook Wildlife Center should be more of a presence at local events to inform people of their existence. I am sure many people do not even know about the Center let alone what you do there. Do any speakers from the Center make presentations around town?
- More up-close experiences with the animals
- Interactive family activities
- Increased space and (seasonal) staffing to meet this critical need
- Doing a great job now.
- I wish I had enough knowledge in this area to weigh in with an opinion.
- Have someone responsible for fundraising, although you, may already have that.
- The new improvements should allow visitors to view the wildlife being rehabilitated so have a better understanding of what the facility mission is accomplishing to encourage financial support.
- State-of-the-art facility you say? Add electric car charging for visitors as more people adopt the technology. The ideal time to charge is when you are out doing something like hiking or visiting the center instead of sitting at a charging station in a random parking lot. People would pay for the electricity they use.
- We are grateful that your facility is so close to where we live. Whenever we need immediate care for our wildlife, we can count on Willowbrook Wildlife Center to be there for us.
- What I said about Illinoisans. Lots of people have questions and get turned away from the Wildlife center.
- Include enhancements to public viewing of animals to help foster income stream.
- Tours of the hospital facility, even if through a window. Shedd has a window to see in a lab.
- Continue doing what you are already doing. In my opinion, you are doing a very good job.
- External lectures to community groups to raise awareness of how to protect wildlife would be excellent. For instance, I remember hearing a lecture on how we should not throw out biodegradable fruit scraps or peels out of our car window because they lay in the street and attract skunks and possums into the roadway.
- Prioritize which animals deserve dedicated care I.e., endangered species vs plentiful rodents.
- We love everything that you do right now and hope that you can continue your fine work. We are on the Next Door app and are amazed at the ignorance of people. For example, they worry about garter snakes in their yards!! Education really helps!
- Partner with the University of Illinois VetMed school (and perhaps other VetMed Schools) to include the center as part of its educational rotation for VetMed students.
- Continue to place educational videos on YouTube, including videos that help people know what to do with injured/orphaned animals
- Raise the level of awareness of the center and what it does.
- Increase marketing/PR with local organizations/clubs, schools, and events. The more people that know about WWC, the more they will support, contribute, and be educated. We've gone to quite a few events over the years (Santa claws, owl prowls, etc.), and we always brought my son's friends along -- but they wouldn't have known about it, if it weren't for us. More people need to know this valuable rescue center and learning resource exists.
- I think a good welcoming and educational center would be great for kids and adults. I'm unsure if students are allowed to come visit with their classrooms, but if that is possible to do, it might be beneficial and educational.
- Ability to help larger animals/secured away for fear of rabies
- One-way glass that allows visitors to see some of the "behind-the-scenes" stuff that would be really interesting to them.
- Expand educational programs/info for homeowners to reduce human behaviors that increase human/wildlife conflict (e.g., locking lids on refuse bins to minimize subsidization of raccoon

- populations), not approaching/feeding coyotes and deer, etc. so that the district can best protect its rare species.
- There seems to be less of an emphasis in this vision statement on Willowbrook's role in promoting wildlife education and conservation. Continuing to rehab and release native wildlife is a core staple but Willowbrook must continue its conservation and education efforts.
- Be able to assist resident with capturing injured animals
- Educate people
- Spend the money
- Educate homeowners in neighborhoods.
- Increase mission awareness using social media marketing platforms.
- Increase publicity about the Center, Its mission and achievements.
- This survey is confusing. Questions 4 and 5 say to check 1, but it is possible to check more than one.
- Beyond rehabilitation, education is extremely important to prevent the need of animal to be rehabilitated in the first place. Exhibiting animal ambassadors is a great hook to do so.
- Have an extensive volunteer program
- Better exposure
- This is a fabulous project and am proud to have tax dollars go towards it. Would be happy to pay more if needed.
- Local school engagement, more public communication from forest preserve district
- I hope the project brings more attention to the facility - for more than just the local residents.
- The social media posts of "patient of the week" or success stories are amazing to read. It lets us see behind the scenes and then also think about what we could do to help. It is so important to connect people to nature - it is sometimes seen as a separate thing, but nature is the basis of everything.
- Would love to see a renovated visitor's center with more room for the animals.
- More space for wildlife in cages
- Increase communications and education to young adults. They are interested in improvement to our world.
- Have a nature center where we can visit with the animals that cannot be rereleased and learn about them. Like the big nature center adjacent to little red schoolhouse. Fish, wildlife, the local eco system on display and interactive exhibits that educate. Keep the live animals! Seeing them up close and being able to learn about them and how/ why they were rehabilitated and if so why they are not able to be really released. Basically animal ambassadors. People want to save and preserve what they are able to connect with. Host nature walks that are guided and have owl walks at night.
- I would be happy to have my taxes increased to allow for expanded hours for drop-off
- More follow up information about some of the more unusual/interest grabbing patients would be good. People read about some of the rescues you do but not always a lot about the rehabilitation and release (hopefully) of these animals. The story behind how this animal came to need help and what humans could possibly do to prevent situations that lead to the rescue would be great educational opportunities. The future of protecting the wildlife and environment is all about educating kids as well as adults.
- Provide education programs for schoolchildren to see first-hand how caring for our environment is connected to caring for wildlife
- To teach people, especially children the importance of wildlife and nature and caring about the environment
- More capacity making it even more of a national, state-of-the-art center.
- Share more "behind the scenes" in the care of the animals

- Better tie in the rehab area to the forest area
- Let visitors know what type of animals and the number that I Rehabilitation an able to be released into nature. What animals cannot be released and why.
- We love learning and observing the wildlife that is no longer able to live in the wild. Adding supplemental learning materials and observation areas (that doesn't disturb the animals) would enhance Willowbrook.
- Make it more visible to the community - vision wise and become a leader nationally.
- Look for revenue generating opportunities to offset any increased costs.
- Increase activity and visibility on Facebook about education and recovery on animals
- Maybe have some short-term interns that could help with rehab, feeding, just working in the environment that would be good ambassadors for school talks, etc.
- Expand animal ambassador program to include a wider variety of native animals, possibly including larger animal hands-on contact
- They should be lending expertise to native eco-system restoration to support wildlife and there should definitely be education around that as well at the center. Continuing to pursue national leadership will add weight behind to those efforts.
- Reach out more to schools and scout programs
- The new and expanded facility could have "open house" or celebratory events, like St James Farm does, to entice more people to visit
- 1) Provide training workshops for wildlife rehabilitators and animal control agencies and throughout the state. 2) Partner with universities that have veterinarian programs to perform research and train future wildlife rehabilitators. 3) Provide organized, sanitary, and easy to clean facilities with adequate storage that promotes a professional aesthetic.
- I think the plan as-is is excellent. Expanding the scope of the property itself will allow for more rehabilitation, more education, more space to enjoy and by doing all of that..more awareness of what we can all do!
- More education throughout the trails.
- I think the outdoor classroom or outdoor informational sessions would pull in more visitors and excite kids!! If you aren't going to open the building to visitors, okay no problem, have more available outdoors. Otherwise less and less of a reason to allow visitors and you will just treat animals.
- Facilities should include space that allows WWC to host school field trips or educational events. Area showing how donations are used and a museum that educates the public on vet medicine, rehab, return animals to their natural ecosystems, and how people/animals co-exist
- Continue as rehab facility 1st and educate public about responsible interaction with wildlife 2nd
- Hold regular zoom events to educate the public on the importance of wildlife and natural ecosystems.
- Provide regular briefings to the District Board, to make sure they understand the importance of public education.
- Keep doing all you do. We love and support you.
- Expand treatment area for wildlife babies, so the center can rehab more baby raccoons and bunnies.
- More tours of the facility
- Expand capacity so animals do not have to be turned away because you are full.
- I was there once and enjoyed it. They are doing a great job and deserve all the resources needed to continue and expand.
- You won't like this, but I do not support spending one cent on some effort to 'return' to natural species of plants or animals except if such species will absolutely destroy other species. For instance, I am not against cutting down trees with emerald ash borer or killing the ash borer.

But generally, I think it is human arrogance to believe we can stop the natural evolution of wildlife species: survival of the fittest. If new species are just as nice as indigenous ones then accept that nature will win out and spend money on other things! Always consider in the back of your mind when spending money, the gang infested mess in our inner cities and consider limiting money spent on niceties so more can go to those truly in need. Keep in mind also that if you disapprove of changes to 'indigenous species' of wildlife, would you like to have dinosaurs dominate and we all life as cave men/women?

- While I understand the goal is to begin reducing the number of non-releasable animals, I feel they are a draw for helping to educate the public.
- Keep the animal's areas as safe, clean and natural as possible. Update signs so that they are readable, so people know what they are looking at. Help people with phone calls when they find hurt or abandoned animals. It's very upsetting for me to just here them say leave it, there's nothing you can do. Being an animal lover I can't ignore a hurt animal.
- Focus on threatened and endangered native species.
- Help to educate the "fear" of wildlife out of segments of the population who see wildlife as threats
- Offer volunteer opportunities to high school students. Set up information booths at public events. Not everyone is familiar with the wildlife center. Find other ways to keep the wildlife center in the public eye.
- Ability to care more animals in the future
- More social media presence
- In my previous comments you will see that I suggest this acreage might not be large enough to fulfill all your plans. Why not have at least two locations in the county for this work?
- More support towards the new WWC to continue its mission and accomplish its vision. Get the word out.
- Make the center more widely known among the general population. I can't believe how many people I know who don't know you exist.
- As previously stated, make outside exhibits larger and more natural settings for the animals.
- Educate the public through school, scout, 4H outreach
- Have a website letting visitors know what they can do to help when they see an injured animal. Let us know what animals they help and ones they don't. Also list foods needed and a link for monetary donations
- This is a stretch, but it'd be great for Willowbrook to offer classes (possibly even in conjunction with College of DuPage)
- I believe that giving visitors the opportunity to view wild animals with a "bad reputation" (raccoons, owls, opossums, coyotes, vultures, foxes) goes a long way in removing the fear and myths associated with those animals. If you help remove the fear and instead replace it with fascination, people will show more care and respect towards those animals' truly wild counterparts and their environment.
- Maybe a vet q and a session?
- I have been bringing my grandchildren to Willowbrook since we moved to Wheaton back in 1993. We have all enjoyed these visits and appreciated being able to see the animal 'patients' up close. This has inspired two of my granddaughters to want to be veterinarians when they grow up. Perhaps you could offer more classes on careers in veterinary sciences and behind the scenes tours.
- Partner with local communities with a plan to integrate private yards, office parks and parklands in countywide, interconnected restoration of native habitat for a greener and healthier environment.
- Advertise center and continue to educate the public about our interconnected community and

- Access to the property for all ages to learn about our native wildlife and habitats and how we are all connected. Classes, exhibits, interactive displays, examples of restored natural areas for viewing. One of the biggest things we need is for people to have a connection to our native plants and animals so that they are valued and therefore protected. Willowbrook has a great opportunity to help in this education.
- Educating by telling, showing and then doing together with those that visit. Community involvement in projects.
- I love the nature center. As a Cub Scout leader, we really appreciate the programs. It definitely needs to be enlarged and updated
- When someone brings an animal that needs help and Willowbrook is full that no animal is turned away but you find a rehab that can take it.
- Engage visitors/community in general in the mission through outreach and education
- Better marketing increased publicity
- Buy more land so wildlife can live more safely in DuPage County. Find a way to make people, especially at night, slow down so they stop creating all that roadkill. Partner with law enforcement and legislators to make this a priority, and fine people for killing wildlife with speeding vehicles.
- Change the name. most people in DuPage have never been there because they don't know where it is located. Name a building or something after Mr. Willowbrook, but change name of the whole location to the DuPage Native Animal Rehab Center.
- Continue to allow visitors to see the animals in their native habitats or in habitats that mimic their native ones and have hands-on activities and experiences for children.
- The public are interested in the site beyond it being a "closed door" rehab facility. Having the "zoo" like areas along the trail were great - we loved to see the animals and hear their stories. Having the ability (where appropriate) to learn about the veterinary care, the stories behind the animals in the care of the facility, and also having the ability to observe the animals both indoors and out should be maintained.

Question 7

Please rate the following services and amenities as to how important they would be to your experience at Willowbrook Wildlife Center. Add services or amenities not listed next to the word "Other" in the table below.

Other (please provide brief description)

- Would disturb animals
- No bikes, there are enough options for this in other areas
- A way to drop off wildlife after hours
- Please continue to mostly focus on helping to rehabilitate animals who are injured or need help
- This is a very small forest preserve not suitable for high use
- Kids need more education and interaction
- It would be nice if you had a better connection and provided learning opportunities for local school districts, especially CCSD89. This is a great learning opportunity right in our district, yet I have never seen one time where the two entities connected. Also, seeing the animals "live" (not on a video or graphic/signage) would be much more useful and interesting. Other means of viewing the animals can be done at home or online, but seeing your animals is a main element of what makes you special to our community and especially children.
- There seems to be a mission and/or vision creep when moving towards "energy efficiency" and solar-array panels, climate change and pollution. Is that really what people want to hear about when visiting Willowbrook. I don't and would prefer to go elsewhere. Taking the wildlife off

the exhibit trail will make residents and visitors unhappy, dissatisfied and disengaged. You'll lose many people who have historically visited with their parents, schools, grandparents and then do the same with their friends and family as adults.

- Preservation of as much open land as possible.
- Potentially showing animals at local events to bring awareness to the center and its work.
- Viewing live animals is the best way for visitors to connect and learn
- The wildlife center's main purpose is animal rehabilitation - it seems like too many things are being packed into a relatively small piece of land and will take away from its main purpose.
- The site already has many of these features. I do would not increase more trails- bisecting the habitats, or provide resources that are already available to the public, i.e. the library.
- Our primary need is there needs to be a facility to care for orphaned, sick and injured wildlife.
- Zoom educational programs for adults for those who cannot get there in person. Will County FP has done some very nice programs this past year.
- Indoor classroom probably not needed to have as high as 50 people in attendance- probably best to have all purpose room that is multi-purpose
- If the gift shop is profitable, it should be included but otherwise it seems unnecessary.
- Bathroom
- Eco friendly restrooms with an automatic water bottle filler nearby. (Like at the arboretum
- All FPDDC should have safe bicycle and pedestrian access including our neighborhood, the Woods of Hobson Greene!!!!!!!!!!
- I think bikes should be banned from all but parking area. They are too intrusive to native species
- Exhibits on why the animals wind up at Willowbrook
- Focus needs to be rehabilitating wildlife, not creating a park/prairie/woodland setting for people to visit.
- Why not do as many other DNRs and other public entities around the country and gather and use trail cam videos, etc. to illustrate how wildlife survive around humans
- The questions are not well designed because they include several goals, some of which one may rank important and some which one ranks unimportant but one can only choose one rank per grouping. For instance, I do not at all want money spent on liberal 'climate change' propaganda because I do not trust at all the information will be rational balanced viewpoints and facts. Even mentioning climate change is a mistake; we should just talk about and make rational balanced advancements to preserve our ecosystem without arguing about whether we have or have not changed the temperature, increased disasters, etc. Such discussions must not be myopic. If one cripples countries that respect the environment letting tyrant countries gain power, one has not improved the planet. Picture a pristine USA and Hitler having succeeded or Communist China or Putin's Russia! Wake up environmentalists and take a 'system approach' view (all related consequences of a program.)
- You can't have your cake and eat it too! Ever hear that? It appears that your plans are on overload. Either cut back for this site or use another Forest Preserve for some of these purposes, especially when there are so many more animals being cared for. Distribute this aid around the county. Another location would allow for visitors from another area of the county too. Willowbrook was just "improved" recently (parking lot, south grounds, a new building) so why so many additional changes to it now?
- The boxes in this section would not stay checked. Generally, more views of and live explanations of animal rehab is great. Seeing animals in natural habitat, yet undisturbed, is great. Extra meeting rooms are not necessary if there are a couple of indoor classrooms. A welcome plaza and an amphitheater is a waste of space that could be landscape. A gift shop is the wrong idea - this should be about education and research, not shopping.

- Something is wrong with question 7 as you cannot rate the services and amenities as to how important they would be to your experience at Willowbrook Wildlife Center.
- Some of my answers are not showing up?
- The bullet points would not stay checked
- I would have checked more as being important but it wouldn't allow for that.
- I don't think question 7 is operating as you would like. It limits me from using any rater more than once. I'm on an iPhone of that matters.

Question 8
Please rate the following sustainability features as to how important they would be to enhance your visitor or learning experience at Willowbrook Wildlife Center while meeting objectives of the center and Forest Preserve District's mission. Add features not listed by writing next to the word "Other" in the table below

Other (please provide brief description)

- All of the above is great.
- This aspect of the survey is confusing or poorly written. I think many of these options are important in varying degrees, but I guess if I can only pick five you have my top five.
- Same problem here
- All important seems I can only choose one answer one time
- This won't let me rate these all important
- This does not seem to be working points will not stay checked
- Question 8 has the same problem as question 7
- This is all very ambitious!!!! It is a dream world. I'd suggest taking a few of these functions and apply them here. Apply others at an additional site. Expand the programs. At this rate suggested, the parking lot would not be large enough. Don't pave over more and more for parking. NO parking garage. Find one or two other Forest Preserves to develop in this way.
- As per previous comment, all of the energy ideas etc. are very nice but cost must be weighed against all of the rest of the earth's needs, including the more critical needs of those condemned to the violence, hopelessness, and poverty of our inner cities including our Chicago neighbor! Compromise your goals!!!
- Forest preserve should be a role model in the use of renewable energy
- Composting
- Provide venues for teaching people which native plants are beneficial to native animal species
- Electric car charging
- Add an electric car charging station
- Only if it reduces costs
- Educational materials for people to implement at home in these areas, as practical. Probably online versus handouts as that seems to be the way to go these days.
- Again, it's not Willowbrook's mission to teach about "carbon footprint" and renewable energy sources and solar-panel arrays.
- Please make sure your improvements do not negatives affect the surrounding community, such as with storm water run-off.
- Again, facility improvements should be minimal. The forest preserve goal is preserving natural areas not designing buildings
- Please continue to mostly focus on helping to rehabilitate animals who are injured or need help.
- Bird-friendly building design and glass

- Only if cost justified
- Perhaps including information to the public on biological control agents (e.g., how ladybugs might function as a natural pesticide if someone were to plant a garden at their residence for pollinators, rather than using Monsanto or a chemically-derived pesticide that has carcinogens and dangerous bioaccumulation effects on pollinators). In other words: if DuPage will be putting money into helping the public understand how to attract or live harmoniously with wildlife, please ensure you are including information on how they cannot just *attract* but *sustain* the garden. Obviously, spraying chemicals on a garden to prevent weeds defeats the purpose of trying to keep pollinators alive, since they will ingest the chemicals.
- It would be nice if you had a better connection and provided learning opportunities for local school districts, especially CCSD89. This is a great learning opportunity right in our district, yet I have never seen one time where the two entities connected. Also, seeing the animals "live" (not on a video or graphic/signage) would be much more useful and interesting. Other means of viewing the animals can be done at home or online, but seeing your animals is a main element of what makes you special to our community and especially children.
- There seems to be a mission and/or vision creep when moving towards "energy efficiency" and solar-array panels, climate change and pollution. Is that really what people want to hear about when visiting Willowbrook. I don't and would prefer to go elsewhere. Taking the wildlife off the exhibit trail will make residents and visitors unhappy, dissatisfied and disengaged. You'll lose many people who have historically visited with their parents, schools, grandparents and then do the same with their friends and family as adults
- Preservation of as much open land as possible.
- Potentially showing animals at local events to bring awareness to the center and its work.
- Viewing live animals is the best way for visitors to connect and learn
- The wildlife center's main purpose is animal rehabilitation - it seems like too many things are being packed into a relatively small piece of land and will take away from its main purpose.
- The site already has many of these features. I do would not increase more trails- bisecting the habitats, or provide resources that are already available to the public, i.e., the library.
- Our primary need is there needs to be a facility to care for orphaned, sick and injured wildlife.
- Zoom educational programs for adults for those who cannot get there in person. Will County FP has done some very nice programs this past year.
- Indoor classroom probably not needed to have as high as 50 people in attendance- probably best to have all purpose room that is multi-purpose
- If the gift shop is profitable, it should be included but otherwise it seems unnecessary.
- Bathroom
- Eco friendly restrooms with an automatic water bottle filler nearby. (Like at the arboretum)
- All FPDDC should have safe bicycle and pedestrian access including our neighborhood, the Woods of Hobson Greene!!!!!!!!!!
- I think bikes should be banned from all but parking area. They are too intrusive to native species
- Exhibits on why the animals wind up at Willowbrook
- Focus needs to be rehabilitating wildlife, not creating a park/prairie/woodland setting for people to visit.
- Why not do as many other DNRs and other public entities around the country and gather and use trail cam videos, etc. to illustrate how wildlife survive around humans
- The questions are not well designed because they include several goals, some of which one may rank important and some which one ranks unimportant but one can only choose one rank per grouping. For instance, I do not at all want money spent on liberal 'climate change' propaganda because I do not trust at all the information will be rational balanced viewpoints

and facts. Even mentioning climate change is a mistake; we should just talk about and make rational balanced advancements to preserve our ecosystem without arguing about whether we have or have not changed the temperature, increased disasters, etc. Such discussions must not be myopic. If one cripples countries that respect the environment letting tyrant countries gain power, one has not improved the planet. Picture a pristine USA and Hitler having succeeded or Communist China or Putin's Russia! Wake up environmentalists and take a 'system approach' view (all related consequences of a program.)

- You can't have your cake and eat it too! Ever hear that? It appears that your plans are on overload. Either cut back for this site or use another Forest Preserve for some of these purposes, especially when there are so many more animals being cared for. Distribute this aid around the county. Another location would allow for visitors from another area of the county too. Willowbrook was just "improved" recently (parking lot, south grounds, a new building) so why so many additional changes to it now?
- The boxes in this section would not stay checked. Generally, more views of and live explanations of animal rehab is great. Seeing animals in natural habitat, yet undisturbed, is great. Extra meeting rooms are not necessary if there are a couple of indoor classrooms. A welcome plaza and an amphitheater is a waste of space that could be landscape. A gift shop is the wrong idea - this should be about education and research, not shopping.
- Something is wrong with question 7 as you cannot rate the services and amenities as to how important they would be to your experience at Willowbrook Wildlife Center.
- Some of my answers are not showing up?
- The bullet points would not stay checked
- I would have checked more as being important but it wouldn't allow for that.
- I don't think question 7 is operating as you would like. It limits me from using any rater more than once. I'm on an iPhone of that matters.

Question 10

If you have visited Willowbrook in the past, please rate the following Wildlife Center visitor experiences on how favorable they were during your visit.

Other (please provide brief description)

- I enjoy the serenity, do not want large gatherings and noise
- Gift store - very favorable
- Knowledge of Willowbrook staff & volunteers. Willingness to answer questions. Ability to talk with children. Friendly desk staff.
- Would like to see an expanded entrance so that you are not on top of information area & gift shop
- Picnic grounds beyond the small area already established seem silly given the size of this preserve
- Animal Dropoff marked unfavorable only because the only times it has come up for me the center has been closed- thus my earlier suggestion of perhaps partnering with an after-hours private clinic or two in the area for those situations.
- The animal exhibits need to be larger, more natural and more respectful of the animals. I am in favor of video only or whatever would cause the animals the least distress.
- All exhibits need updating, no staff present to greet, staff generally unapproachable compared to other forest preserves
- We come to view the animals. Seeing the animals is what inspires my kids to help and want to drop off donations.
- I didn't know that these were available! I've only ever dropped off wildlife.

- There is no follow-up on animals admitting to wildlife care. Poor communications about wildlife care. Indoor areas need improvement. Do not take away animals to visit on the trail!
- We love the window to see what is happening behind the scenes with the rescued animals. More of that sort of thing would be so cool, perhaps a 2-way mirror where kids could watch babies without the babies imprinting on them?
- On weekends trails close at 3pm which is too early
- Again, more info on native animals and people interacting with the
- During one visit, I happened upon an animal caretaker discussing an owl he was holding. That was a thrill!
- "Gift Shop" was good
- The reason I marked classroom and animal drop off as somewhat unfavorable is that the spaces are, as you already know, small and cramped.
- I love the quietness by the lake, and listening to the frogs. Grandkids really enjoyed it an old-fashioned experience hard to find today.
- A volunteer was wonderfully informative and enhanced our visit immensely.
- I've only used trails and exhibits. Full Handicap access is essential throughout
- Our sons loved going to see the animals, and even more after we found orphaned squirrels. A zoo, but with only native critters, it was a fun learning place.
- I truly do not remember what it was like last time I visited. My kids visited many times with school groups per my memory.
- A slight facelift/update
- This facility is not for entertainment. Picnics and "activity spaces" should not be the goals. The animals and the wild setting are the purpose, or always has been.
- I currently work in a building that uses geothermal heating and cooling and it is rarely a comfortable temperature.
- Seeing animals being treated and talking to staff on the occasion that someone was available was the most interesting part of a visit. Also, the natural trails in the preserve part were peaceful and educational
- Same problem as questions 7 and 8. Cannot record an answer to each experience
- Survey is not working
- Something amiss, all are important
- Again, this question is poorly designed - I can only rank one criteria as very favorable. I think all of these are just fine by the way.

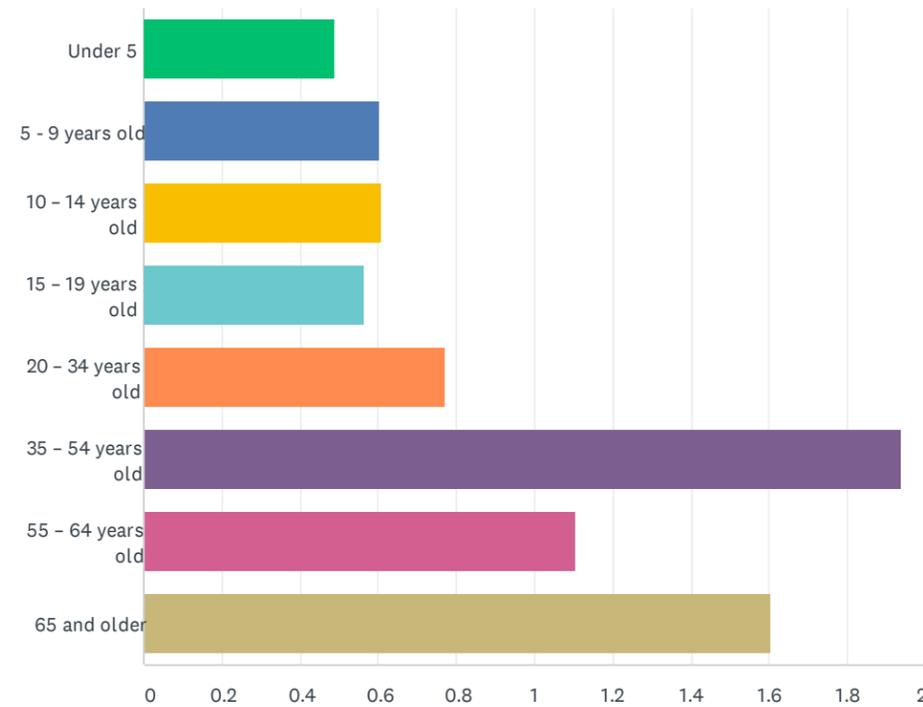
PUBLIC OPINION SURVEY DATA

Q1 What is the zip code of your home address?

Answered: 357 Skipped: 1

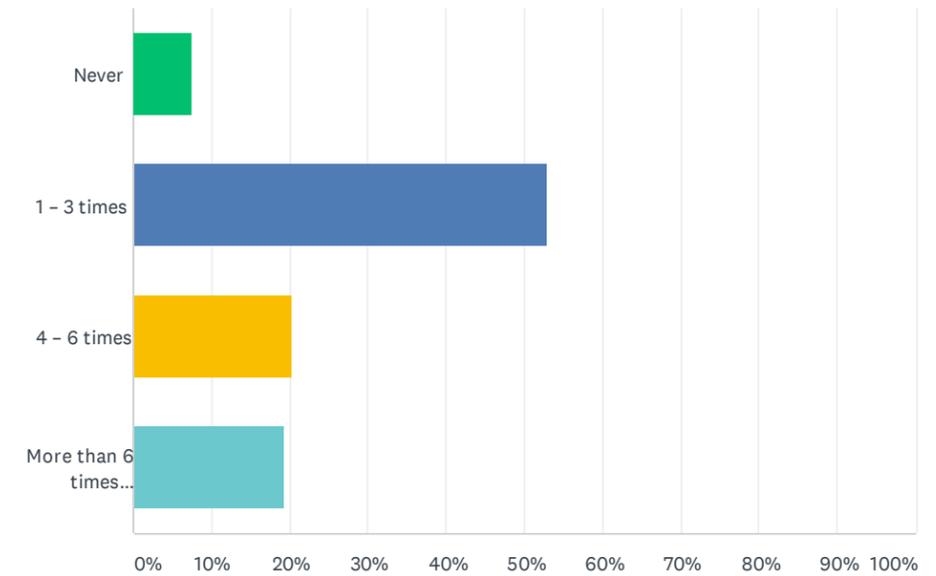
Q2 How many people, including yourself, live in your household in each age category?

Answered: 357 Skipped: 1



Q3 Approximately how many times do you or a member of your family visit Willowbrook each year?

Answered: 354 Skipped: 4

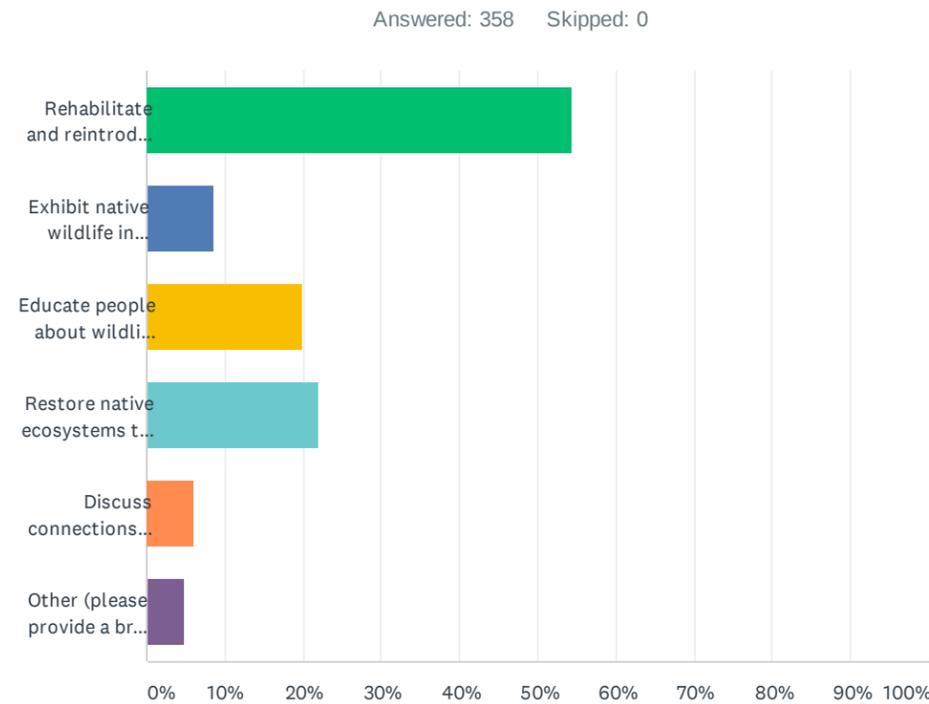


ANSWER CHOICES	RESPONSES
Never	7.63% 27
1 - 3 times	52.82% 187
4 - 6 times	20.34% 72
More than 6 times	19.21% 68
Total Respondents: 354	

ANSWER CHOICES	AVERAGE NUMBER	TOTAL NUMBER	RESPONSES
Under 5	0	42	86
5 - 9 years old	1	59	98
10 - 14 years old	1	62	102
15 - 19 years old	1	57	101
20 - 34 years old	1	91	118
35 - 54 years old	2	347	179
55 - 64 years old	1	161	146
65 and older	2	287	179
Total Respondents: 357			

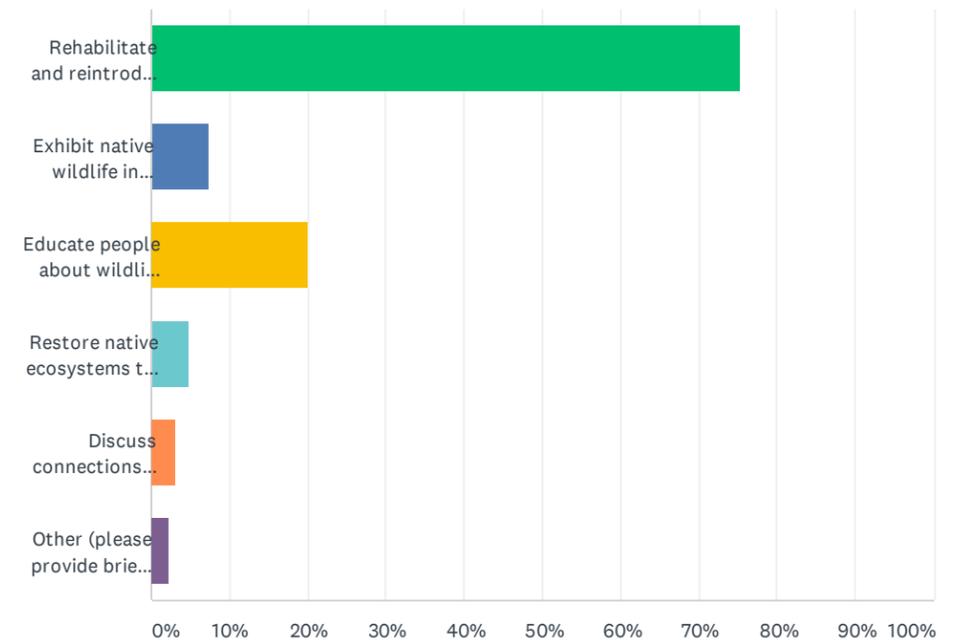
PUBLIC OPINION SURVEY DATA

Q4 The mission of the Forest Preserve District of DuPage County is to “acquire and hold lands containing forests, prairies, wetlands and associated plant communities or lands capable of being restored to such natural conditions for the purpose of protecting and preserving the flora, fauna and scenic beauty for the education, pleasure and recreation of its citizens.” Which item below is the most important thing Willowbrook Wildlife Center should do to meet this mission? (Check one)



Q5 The mission of Willowbrook Wildlife Center is to be a native wildlife rehabilitation facility that provides care and medical treatment to injured and orphaned wild animals and to serve as a resource to teach DuPage residents about living in harmony with local wildlife. Which item below is the most important thing Willowbrook Wildlife Center should do to meet this mission? (Check one)

Answered: 355 Skipped: 3



ANSWER CHOICES	RESPONSES
Rehabilitate and reintroduce native wildlife back to natural areas	75.21% 267
Exhibit native wildlife in ways that limit stress to the animals	7.32% 26
Educate people about wildlife, their habitats, and interconnected ecosystems	20.00% 71
Restore native ecosystems to support native wildlife	4.79% 17
Discuss connections between sustainability, energy efficiency, pollution and climate as related to healthy wildlife	3.10% 11
Other (please provide brief description)	2.25% 8
Total Respondents: 355	

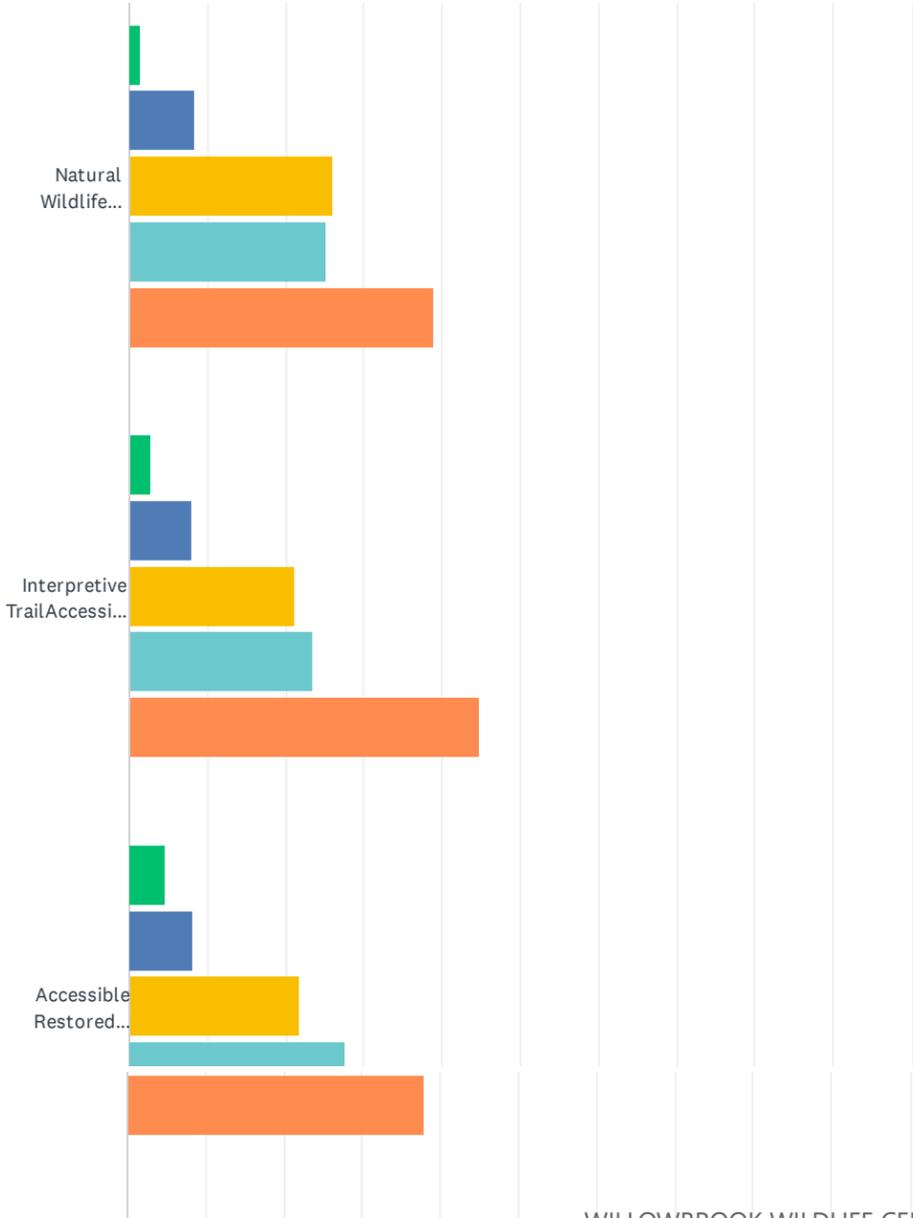
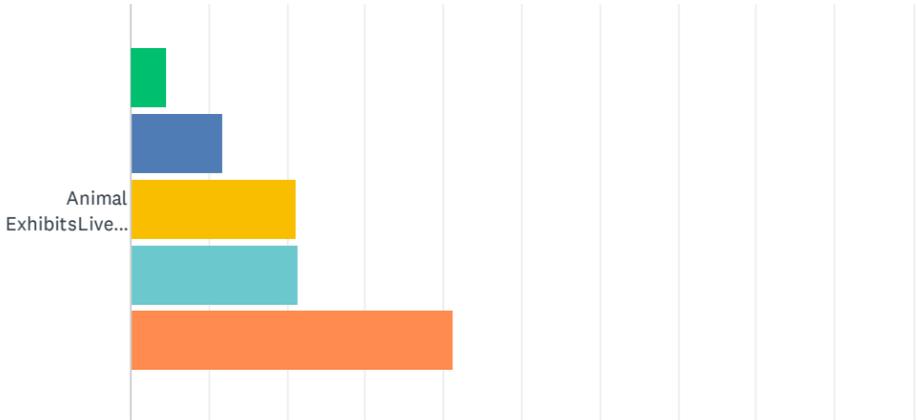
ANSWER CHOICES	RESPONSES
Rehabilitate and reintroduce native wildlife back to natural areas	54.47% 195
Exhibit native wildlife in ways that limit stress to the animals	8.66% 31
Educate people about wildlife, their habitats, and interconnected ecosystems	19.83% 71
Restore native ecosystems to support native wildlife	22.07% 79
Discuss connections between sustainability, energy efficiency, pollution and climate as related to healthy wildlife	6.15% 22
Other (please provide a brief description)	4.75% 17
Total Respondents: 358	

Q6 The vision of Willowbrook Wildlife Center is to be a state-of-the-art wildlife rehabilitation facility that is a national leader in engaging visitors in veterinary science, medical care, and wildlife rehabilitation while championing healthy interconnected ecosystems to foster safe, healthy, and sustainable communities for all living things in DuPage County and beyond. What additional suggestions do you have that could help Willowbrook Wildlife Center meet its vision?

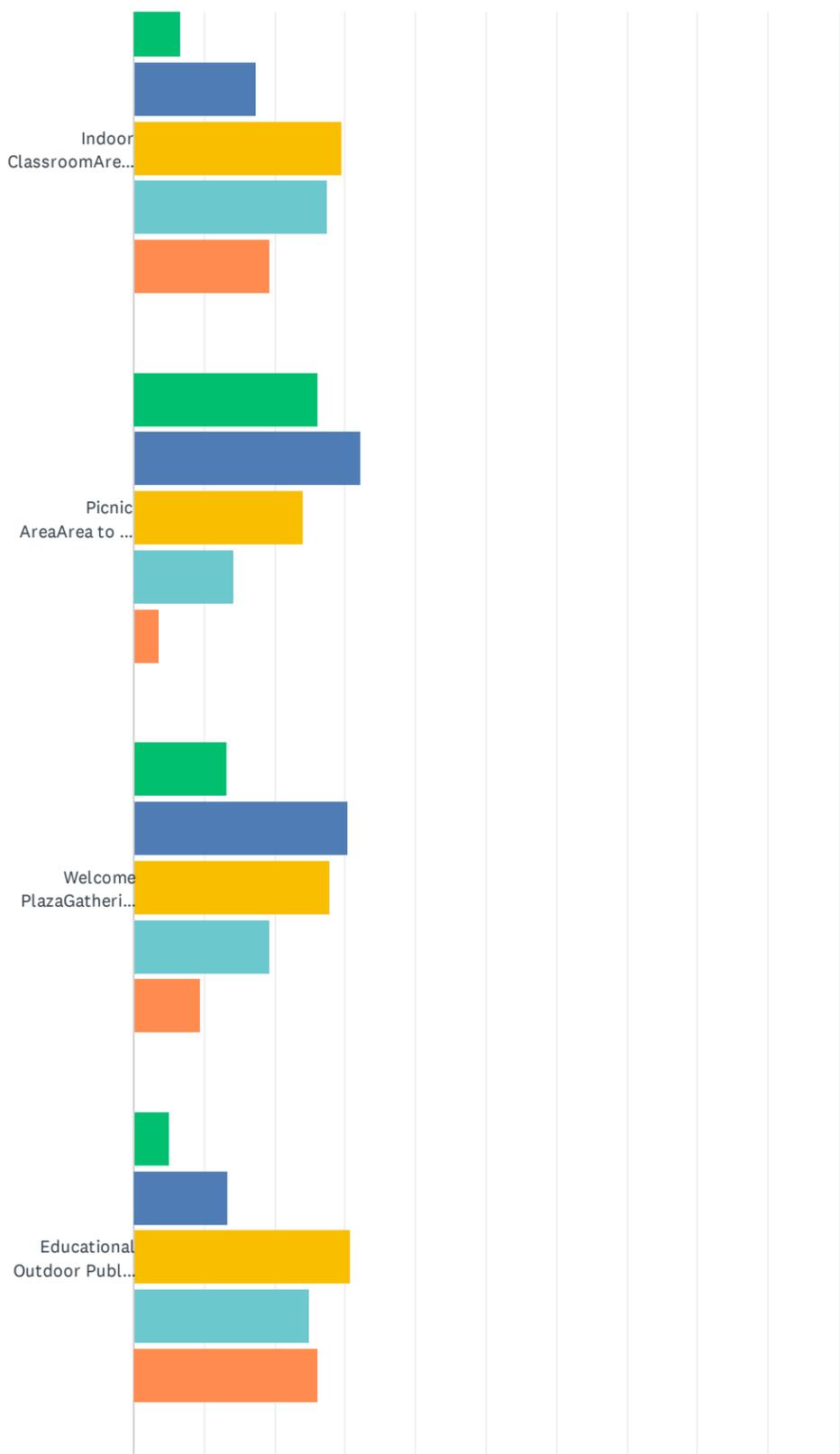
Answered: 215 Skipped: 143

Q7 Please rate the following services and amenities as to how important they would be to your experience at Willowbrook Wildlife Center. Add services or amenities not listed next to the word "Other" in the table below.

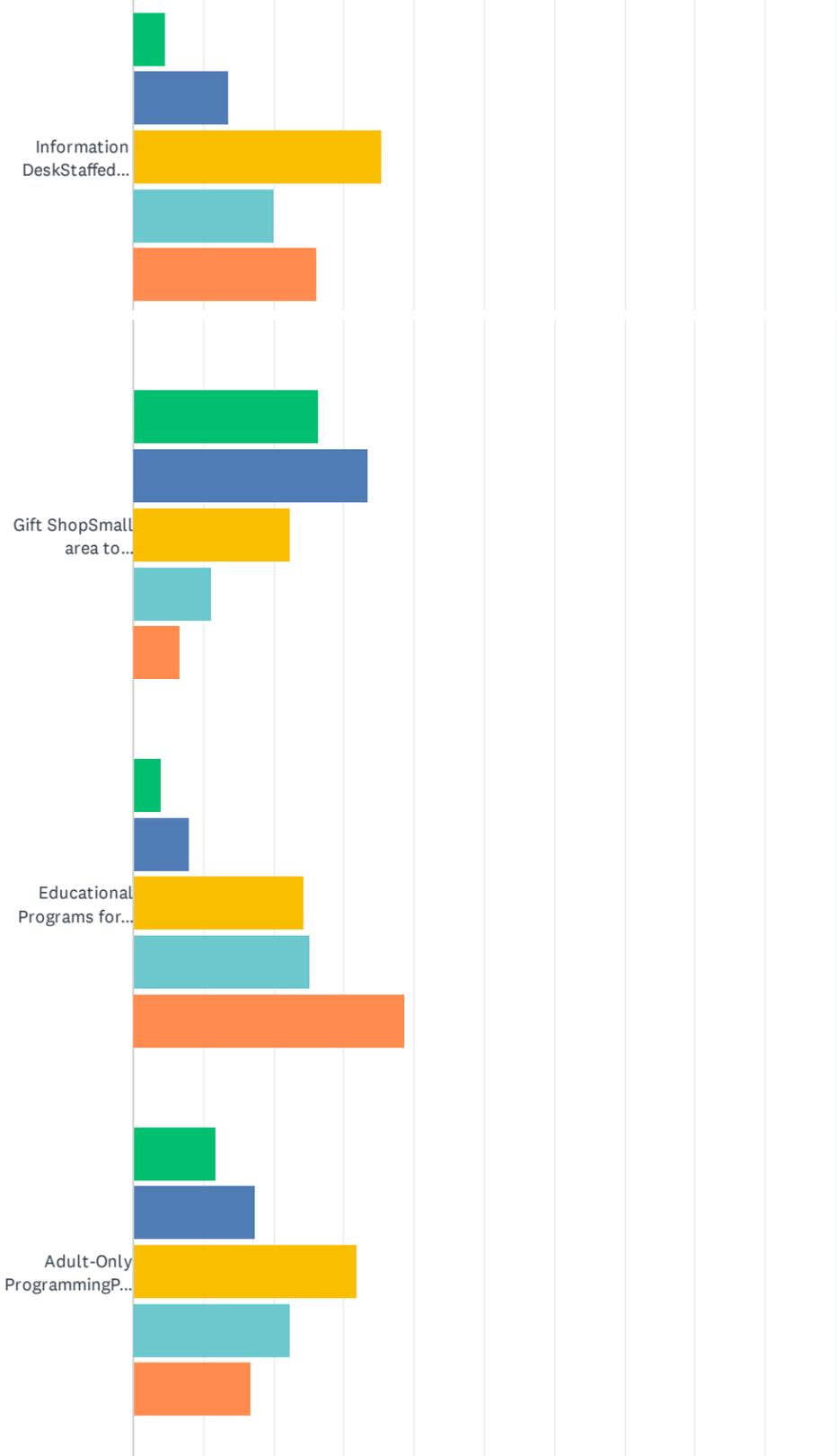
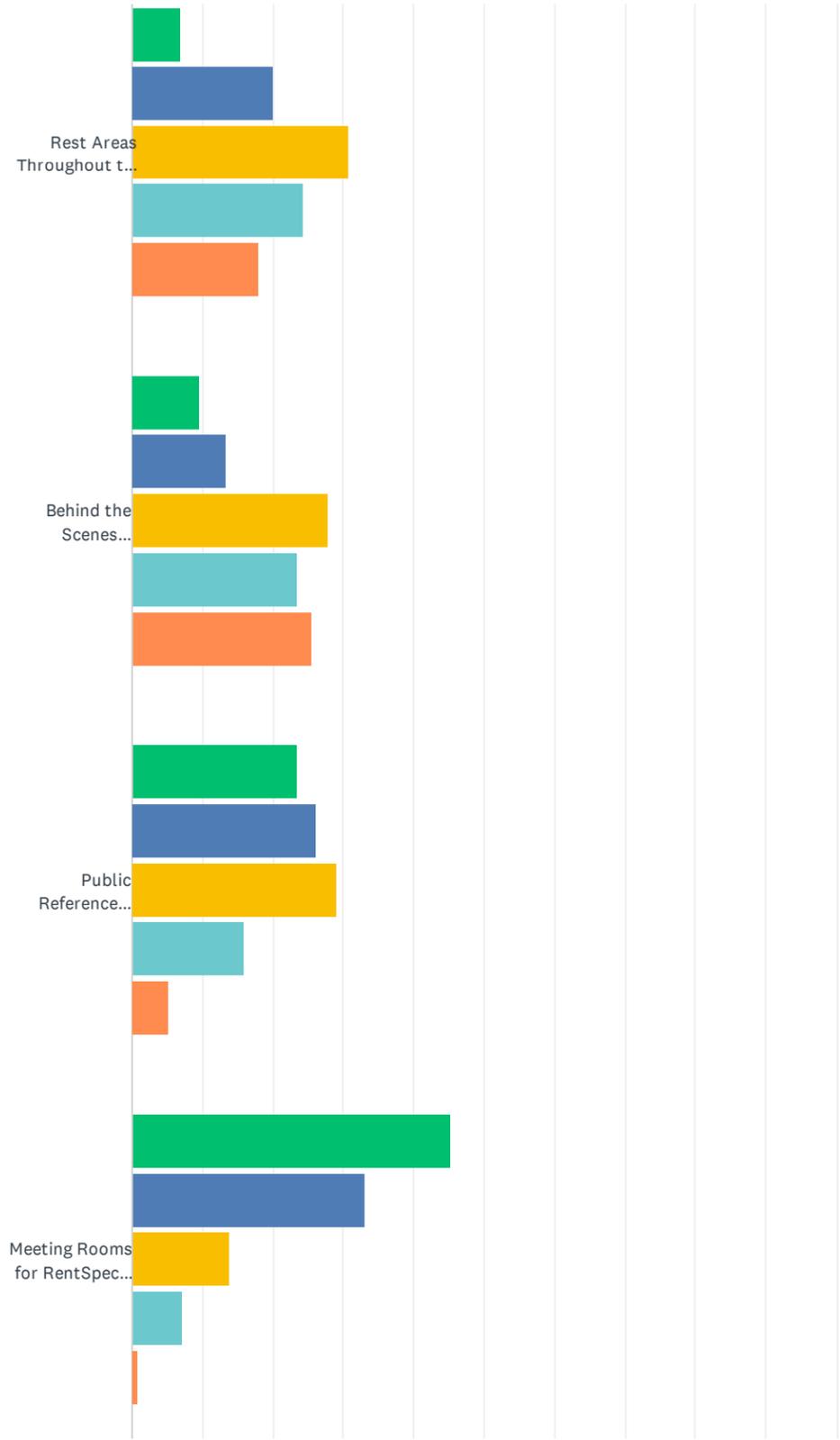
Answered: 358 Skipped: 0



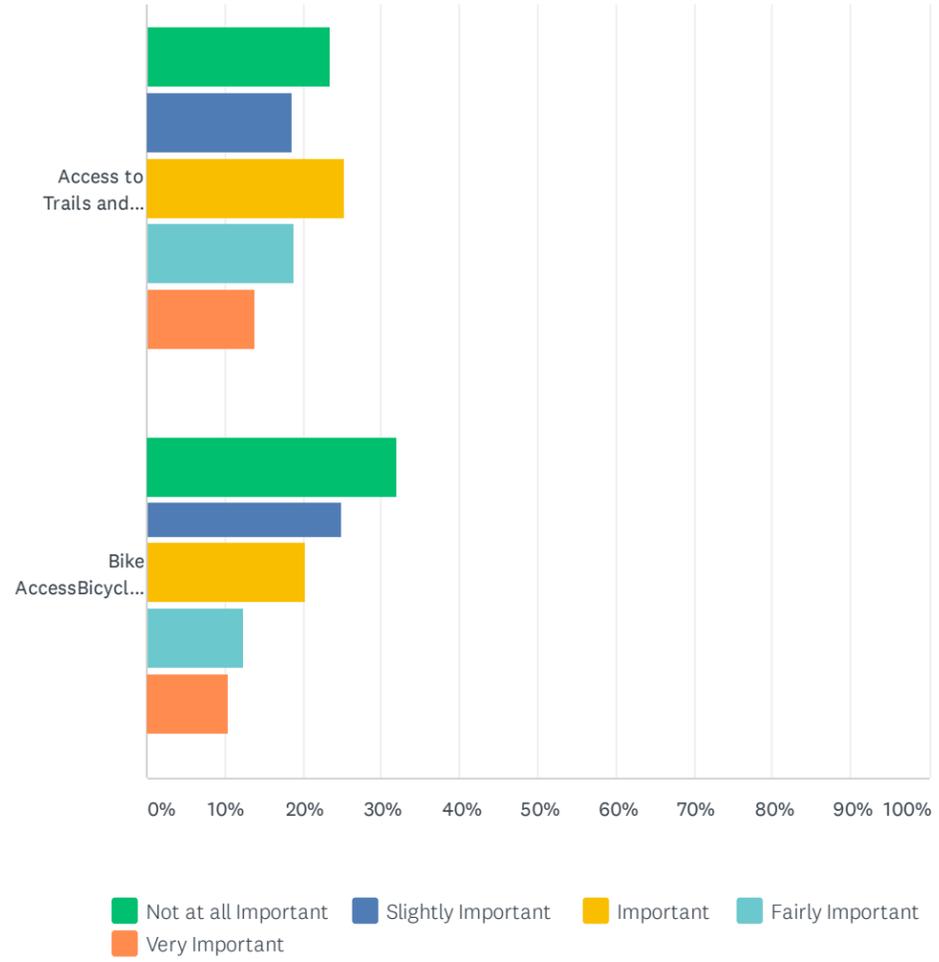
APPENDIX
PUBLIC OPINION SURVEY DATA



APPENDIX
PUBLIC OPINION SURVEY DATA



APPENDIX
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APPENDIX PUBLIC OPINION SURVEY DATA

	NOT AT ALL IMPORTANT	SLIGHTLY IMPORTANT	IMPORTANT	FAIRLY IMPORTANT	VERY IMPORTANT	TOTAL	WEIGHTED AVERAGE
Animal ExhibitsLive animals viewed in natural environments in select locations along a trail in restored habitats, live animals in naturalized rehabilitation enclosures viewed via cameras, and life-sized graphics of animals (nontraditional viewing)	4.59% 15	11.62% 38	21.10% 69	21.41% 70	41.28% 135	327	3.83
Natural Wildlife Observation NodesHidden or blended areas along a trail with built-in features for viewing and observing wildlife in natural settings	1.55% 5	8.36% 27	26.01% 84	25.08% 81	39.01% 126	323	3.92
Interpretive TrailAccessible for people of all abilities with opportunities to learn about pollution, habitat fragmentation, the restoration of endangered species, etc.	2.74% 9	7.93% 26	21.04% 69	23.48% 77	44.82% 147	328	4.00
Accessible Restored Natural AreasTrails providing views of woodlands, wetlands, and prairies under restoration	4.59% 15	8.26% 27	21.71% 71	27.52% 90	37.92% 124	327	3.86
Ability to Observe Wildlife Rehabilitation AreasLive, behind-the-scenes video feeds of outdoor rehabilitation enclosures that show wildlife and the wildlife-rehabilitation process	4.62% 15	14.46% 47	20.92% 68	28.00% 91	32.00% 104	325	3.68
Interactive ExhibitsActivities in the visitor center that explain or show the wildlife-rehabilitation process (x-ray imagery, diagnoses of injured wildlife, live feeds of surgical procedures, windows into recovery and feeding areas, etc.)	2.76% 9	14.72% 48	23.62% 77	29.14% 95	29.75% 97	326	3.68

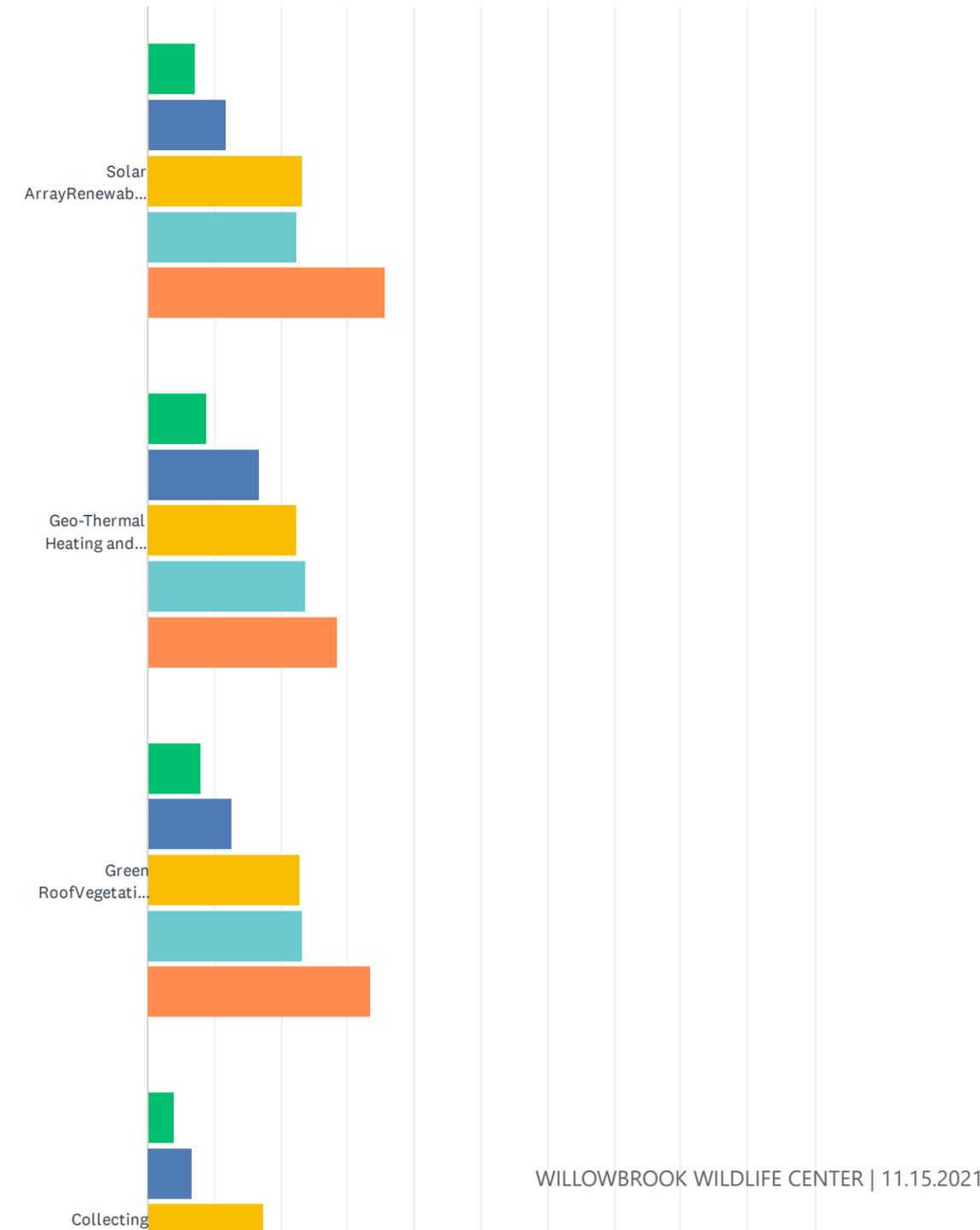
Interpretive ExhibitsImages and information regarding wildlife rehabilitation; species-of-concern recovery programs; the effects of climate change and pollution on the environment and wildlife; and sustainability and energy-efficiency features	4.31% 14	9.23% 30	28.00% 91	24.62% 80	33.85% 110	325	3.74
Outdoor ClassroomOutdoor patio or amphitheater for informal educational programs for groups of 25 – 50 people	9.09% 29	18.81% 60	27.59% 88	25.08% 80	19.44% 62	319	3.27
Indoor ClassroomArea for formal educational programs and wildlife-rehabilitator training for groups of 25 – 50 people	6.60% 21	17.30% 55	29.56% 94	27.36% 87	19.18% 61	318	3.35
Picnic AreaArea to eat meals brought to the site	26.18% 83	32.18% 102	23.97% 76	14.20% 45	3.47% 11	317	2.37
Welcome PlazaGathering area with features identifying the center's purpose as well as anticipated experiences, activities or educational opportunities	13.25% 42	30.28% 96	27.76% 88	19.24% 61	9.46% 30	317	2.81
Educational Outdoor Public Activity SpacesInteractive areas or small garden spaces that demonstrate how to attract or live harmoniously with different types of wildlife in residential settings	4.97% 16	13.35% 43	30.75% 99	24.84% 80	26.09% 84	322	3.54
Rest Areas Throughout the PropertyBenches, seating or sheltered areas	6.83% 22	20.19% 65	30.75% 99	24.22% 78	18.01% 58	322	3.26
Behind the Scenes Opportunity With InterpretersOpportunities to interact one-on-one with wildlife ambassadors to discuss connections between wildlife and people	9.69% 31	13.44% 43	27.81% 89	23.44% 75	25.62% 82	320	3.42
Public Reference LibraryAccess to books and other resources on wildlife, wildlife rehabilitation, ways to attract wildlife or live in harmony with wildlife, type of habitats, natural-resource restoration, healthy ecosystems, and climate change	23.44% 75	26.25% 84	29.06% 93	15.94% 51	5.31% 17	320	2.53

PUBLIC OPINION SURVEY DATA

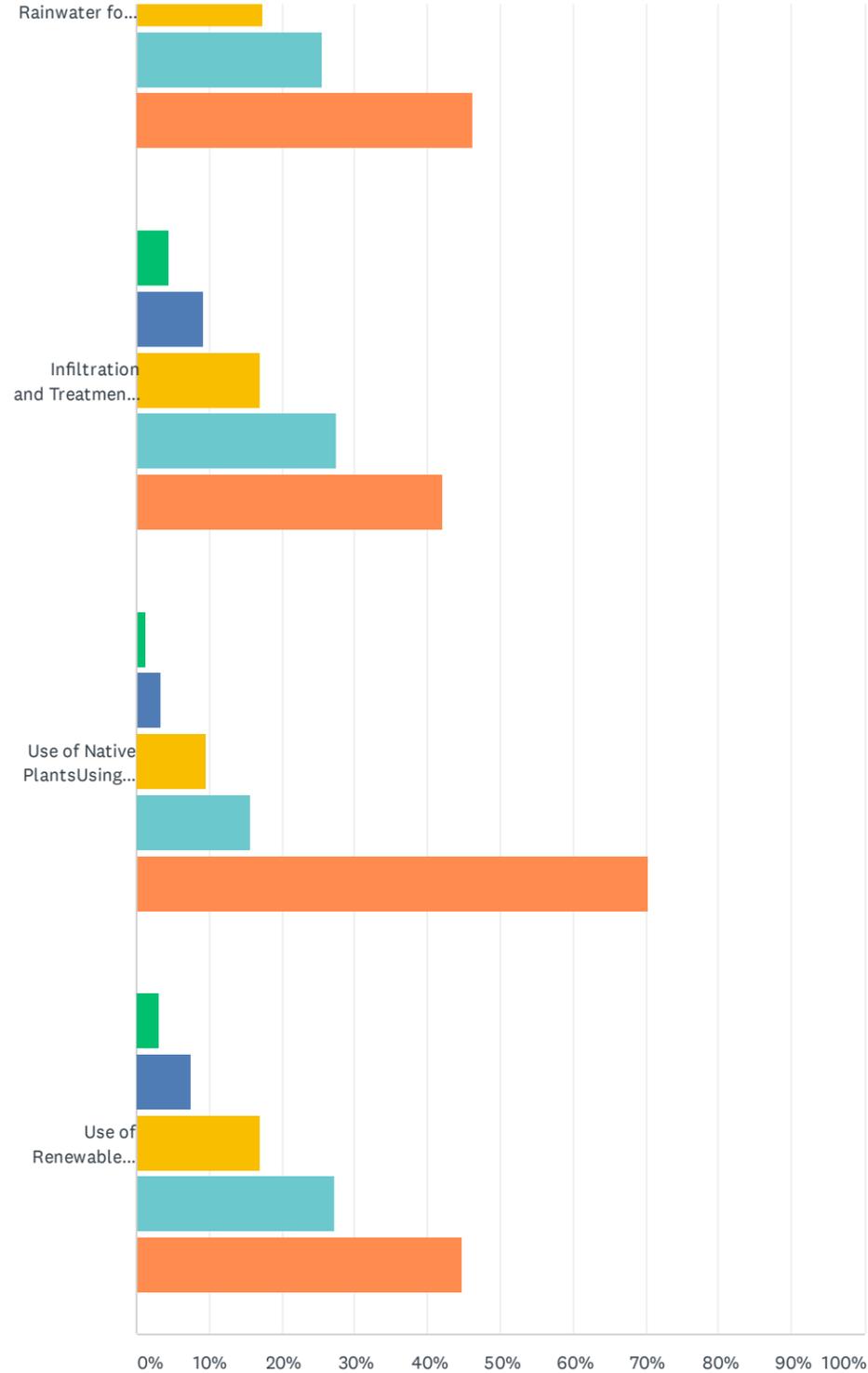
Q8 Please rate the following sustainability features as to how important they would be to enhance your visitor or learning experience at Willowbrook Wildlife Center while meeting objectives of the center and Forest Preserve District’s mission. Add features not listed by writing next to the word “Other” in the table below

Meeting Rooms for RentSpecial event space for groups of people 25 or less	45.26% 148	33.03% 108	13.76% 45	7.03% 23	0.92% 3	327	1.85
Information DeskStaffed area that provides general information about the center, activities and programs, and wildlife emergency issues	4.66% 15	13.66% 44	35.40% 114	20.19% 65	26.09% 84	322	3.49
Gift ShopSmall area to purchase wildlife-related souvenirs, books, stuffed animals, clothing, etc.	26.38% 86	33.44% 109	22.39% 73	11.04% 36	6.75% 22	326	2.38
Educational Programs for Young ChildrenProgramming for school groups or children under the age of 18	3.99% 13	7.98% 26	24.23% 79	25.15% 82	38.65% 126	326	3.87
Adult-Only ProgrammingProgramming for people 18 and older	11.68% 39	17.37% 58	31.74% 106	22.46% 75	16.77% 56	334	3.15
Access to Trails and Public Activity Areas Beyond Normal Center HoursGeneral access to forest preserve features and amenities not associated with wildlife rehabilitation, the clinic or the visitor center consistent with standard Forest Preserve District hours of operation from one hour after sunrise to one hour after sunset	23.42% 78	18.62% 62	25.23% 84	18.92% 63	13.81% 46	333	2.81
Bike AccessBicycle and pedestrian access to the center from Park Boulevard and Milton Avenue	31.96% 109	24.93% 85	20.23% 69	12.32% 42	10.56% 36	341	2.45

Answered: 352 Skipped: 6



APPENDIX PUBLIC OPINION SURVEY DATA



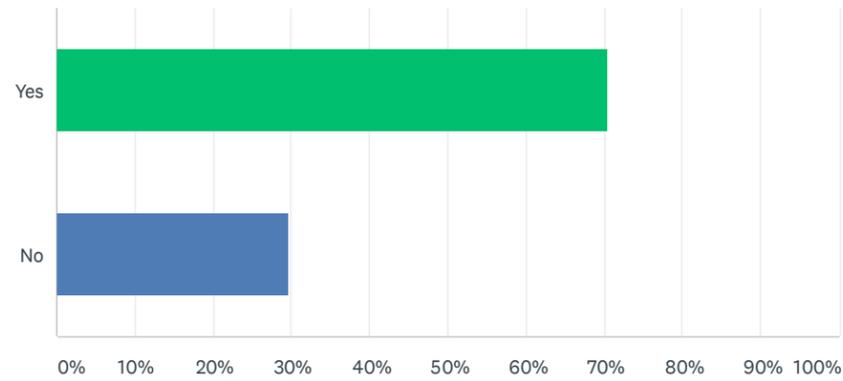
■ Not at all Important
 ■ Slightly Important
 ■ Important
 ■ Fairly Important
 ■ Very Important

	NOT AT ALL IMPORTANT	SLIGHTLY IMPORTANT	IMPORTANT	FAIRLY IMPORTANT	VERY IMPORTANT	TOTAL	WEIGHTED AVERAGE
Solar Array Renewable energy source that harnesses light from the sun to power buildings and reduces the center's carbon footprint and reliance on fossil fuels	7.12% 23	11.76% 38	23.22% 75	22.29% 72	35.60% 115	323	3.67
Geo-Thermal Heating and Cooling Renewable energy source that uses the Earth's internal natural temperature to minimize the amount of energy needed to heat or cool buildings or environments	8.72% 28	16.82% 54	22.43% 72	23.68% 76	28.35% 91	321	3.46
Green Roof Vegetation planted on flat roofs that cools buildings, reduces the urban "heat island" effect, and provides habitat for wildlife	7.93% 26	12.50% 41	22.87% 75	23.17% 76	33.54% 110	328	3.62
Collecting Rainwater for Reuse Above- or below-grade cisterns that capture, hold and treat stormwater for later use to water plants or supply flush toilets	4.01% 13	6.79% 22	17.28% 56	25.62% 83	46.30% 150	324	4.03
Infiltration and Treatment of Stormwater Runoff Permeable pavements, rain gardens, bioswales, and vegetated filter strips that slow stormwater runoff and filter harmful pollutants from water before it slowly seeps into the ground, refilling underground aquifers	4.31% 14	9.23% 30	16.92% 55	27.38% 89	42.15% 137	325	3.94
Use of Native Plants Using plants native to DuPage County that are adapted to the climate and support native wildlife and pollinators	1.19% 4	3.27% 11	9.52% 32	15.77% 53	70.24% 236	336	4.51
Use of Renewable Materials Using locally sourced materials, recycled materials and materials that can be repurposed in the future	3.23% 11	7.62% 26	17.01% 58	27.27% 93	44.87% 153	341	4.03

PUBLIC OPINION SURVEY DATA

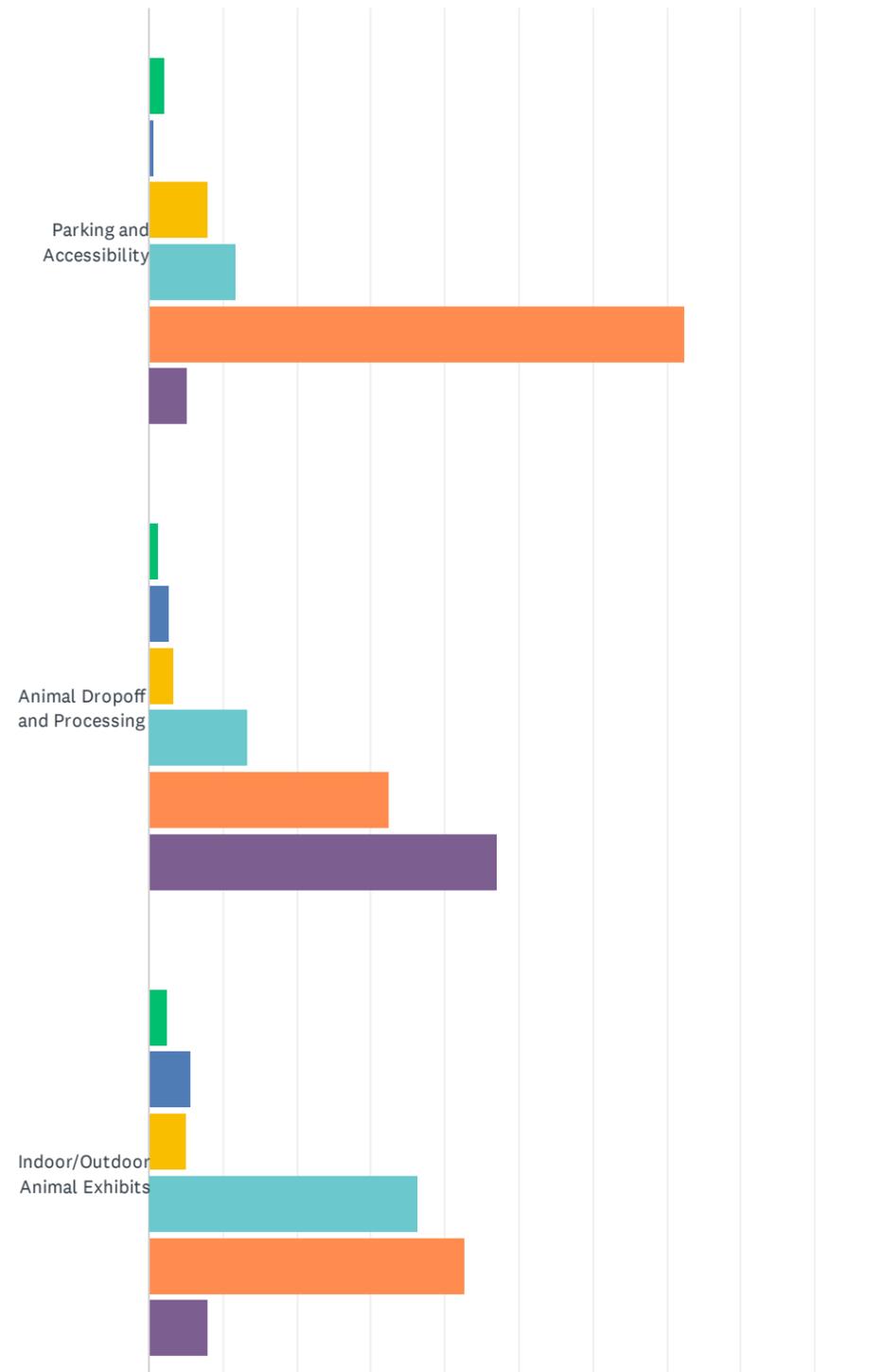
Q9 Would you be willing to pay an admission fee to visit Willowbrook Wildlife Center?

Answered: 347 Skipped: 11



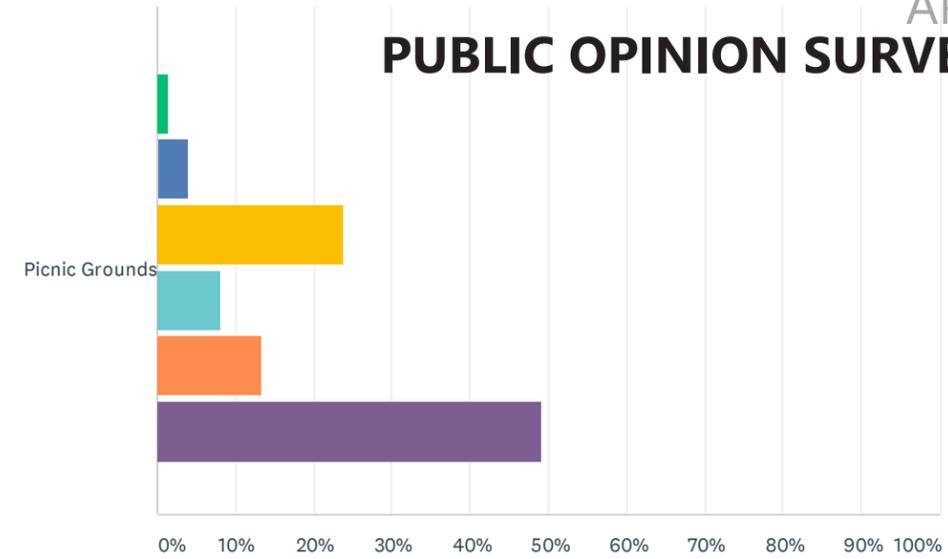
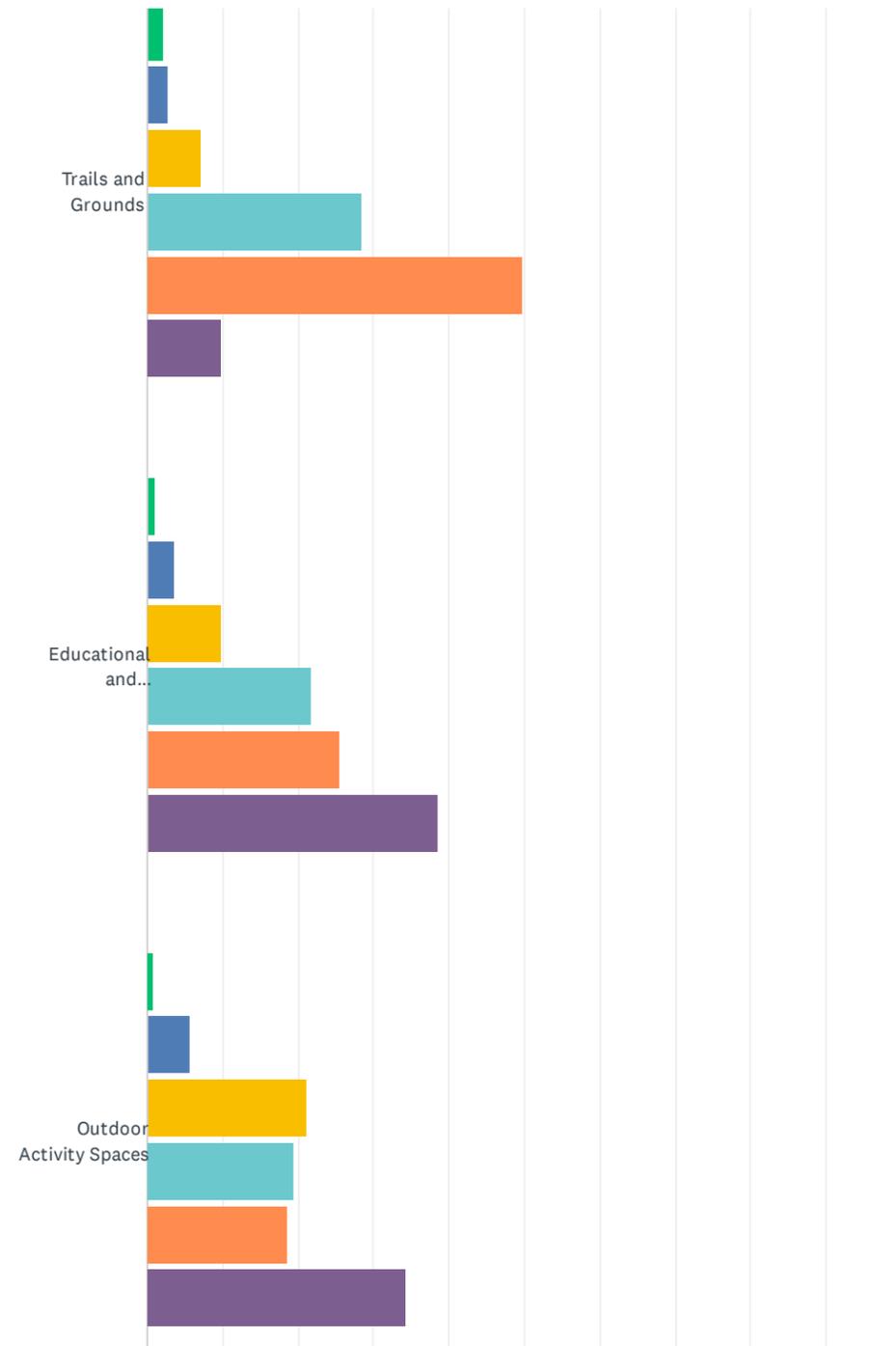
Q10 If you have visited Willowbrook in the past, please rate the following Wildlife Center visitor experiences on how favorable they were during your visit.

Answered: 348 Skipped: 10



ANSWER CHOICES	RESPONSES	
Yes	70.61%	245
No	29.68%	103
Total Respondents: 347		

PUBLIC OPINION SURVEY DATA

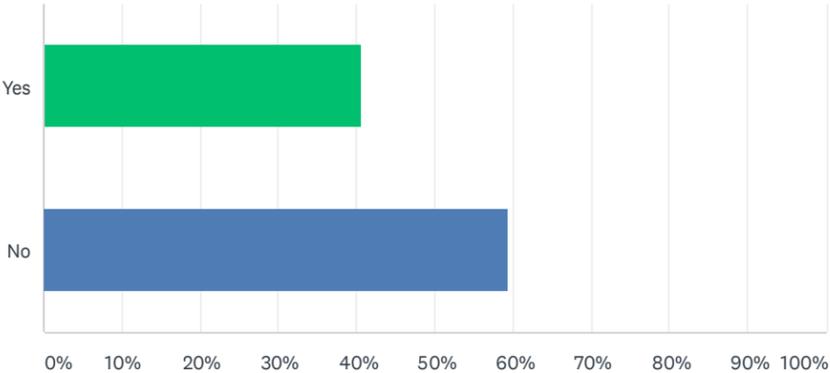


Very Unfavorable Somewhat Unfavorable Indifferent
Somewhat Favorable Very Favorable N/A

	VERY UNFAVORABLE	SOMEWHAT UNFAVORABLE	INDIFFERENT	SOMEWHAT FAVORABLE	VERY FAVORABLE	N/A	TOTAL	WEIGHTED AVERAGE
Parking and Accessibility	2.14% 7	0.61% 2	7.95% 26	11.62% 38	72.48% 237	5.20% 17	327	4.0
Animal Dropoff and Processing	1.21% 4	2.73% 9	3.33% 11	13.33% 44	32.42% 107	46.97% 155	330	4.0
Indoor/Outdoor Animal Exhibits	2.47% 8	5.56% 18	4.94% 16	36.42% 118	42.59% 138	8.02% 26	324	4.0
Trails and Grounds	2.14% 7	2.75% 9	7.03% 23	28.44% 93	49.85% 163	9.79% 32	327	4.0
Educational and Interpretive Programs	0.95% 3	3.47% 11	9.78% 31	21.77% 69	25.55% 81	38.49% 122	317	4.0
Outdoor Activity Spaces	0.93% 3	5.57% 18	21.05% 68	19.50% 63	18.58% 60	34.37% 111	323	3.0
Picnic Grounds	1.51% 5	3.93% 13	23.87% 79	8.16% 27	13.29% 44	49.24% 163	331	3.0

Q11 The Forest Preserve District will host a public open house and community stakeholder meetings beginning in July regarding this phase of Willowbrook Wildlife Center’s master plan. Would you like to receive an invitation to one of these events?

Answered: 348 Skipped: 10



ANSWER CHOICES	RESPONSES	
Yes	40.52%	141
No	59.48%	207
TOTAL		348

Willowbrook Wildlife Center Phase 2
100% Schematic Design Budget Analysis
September 9, 2021



SUMMARY	TOTALS
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Critical/Base Scope	
1) Outdoor Rehabilitation Phase 1	\$1,809,675
2) New Clinic, Indoor Rehabilitation & Visitor Center	\$15,508,102
3) Existing Clinic Demolition	\$103,366
4) Outdoor Rehabilitation Phase 2	\$1,540,987
5) Site Development	\$1,589,643
6) Species Recovery Building Conversion	\$80,774
CRITICAL/BASE PROJECT Sub Total:	\$20,632,547

Essential Scope that can be Phased	
1) Raptor Flight Barn (Enclosure J)	\$1,500,000
2) Large Waterfowl Enclosure (Enclosure A)	\$300,000
3) Public Exhibit Space (Minimal)	\$370,000
4) Public Exterior Site Elements	\$460,000
ESSENTIAL/PHASED SCOPE Sub Total:	\$2,630,000

Total Remaining Cost:	\$23,262,547
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Previously Approved Funds	
A/E Schematic Design Fees	\$435,000

Project Total (including previously approved funding):	\$23,697,547
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Priority Alternates	Cost Range	
1) Photovoltaic (PV) Panels	\$165,000	\$800,000
2) Ground Source Heat Pumps (Geothermal)	\$900,000	\$1,200,000
3) Rainwater Harvest	\$310,000	\$380,000
4) Upgraded Screen Wall on North side of Parking Lot	\$100,000	\$130,000
5) Upgraded Public Exhibit Space	\$250,000	\$450,000
6) Staff Roof Terrace	\$50,000	\$65,000
7) Electric Vehicle Charging Stations	\$25,000	\$35,000
8) Interior Sliding Doors		
a - Cost per door	\$4,000	\$5,000
b - Cost for 20 doors	\$80,000	\$100,000
9) Exterior Sliding Doors (to replace all swing doors)	\$210,000	\$280,000
10) Generator	\$190,000	\$220,000
11) Basement	\$1,200,000	\$1,500,000
12) Solar Hot Water System	\$210,000	\$280,000

APPENDIX
BUDGET ANALYSIS - CRITICAL SCOPE

Willowbrook Wildlife Center Phase 2
100% Schematic Design Budget Analysis
Outdoor Rehabilitation Phase 1
September 9, 2021



Scope Description	Quantity	Unit	Unit Cost	Item Total
1) Outdoor Rehabilitation Phase 1				\$1,496,615
General Conditions + CM Fee & Insurance		12%		\$160,352
Sitework				\$1,336,264
Site Preparation:				
Tree removal	1	LS	\$35,000.00	\$35,000
Site clearing & demolition	1	LS	\$25,000.00	\$25,000
Site Improvements:				
Enclosure G	1	LS	\$361,991.50	\$361,992
Enclosure H	1	LS	\$303,083.25	\$303,083
Enclosure I	1	LS	\$468,428.75	\$468,429
Enclosure J [see alternate]	1	LS	\$0.00	\$0
Site Utilities:				
Lift Station & Force Main (Raptor Barn & Mammal Area)	1	EA	\$25,000.00	\$25,000
New exterior grade power panel	7	EA	\$1,500.00	\$10,500
Conduit & wire from cage panels to main building	895	LF	\$25.00	\$22,375
Conduit & wire run from panels to each cage/outlet	1	LS	\$20,000.00	\$20,000
2" CW underground piping	894	LF	\$45.00	\$40,230
1" CW underground piping	383	LF	\$35.00	\$13,405
Hydrant	15	EA	\$750.00	\$11,250
Pathway lighting		(not anticipated)		\$0
SUBTOTAL: CONTRACTOR HARD COST:				\$1,496,615
Project Contingency		8%		\$119,729
Escalation (construction start Summer 2022)		3%		\$52,709
SUBTOTAL - CONSTRUCTION COSTS				\$1,669,053
SOFT COSTS				
Remaining A/E Fees & Reimbursables		7.2%		\$116,377
Permits, Bonds, Commissioning, Testing, Etc.		1.5%		\$24,245
SUBTOTAL - SOFT COSTS				\$140,622
PROJECT TOTAL				\$1,809,675

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Scope Description	Quantity	Unit	Unit Cost	Item Total
2) New Clinic, Indoor Rehabilitation & Visitor Center	27,467	SF	\$430.87	\$11,834,679
General Conditions + CM Fee & Insurance		12%		\$1,268,001
Foundations & Substructure			Subtotal	\$27.69/SF
Formwork:				
Cont Ftg_02'-6" x 1'-0"	857	SF	\$10.00	\$8,570
Cont Ftg_04'-0" x 1'-0"	136	SF	\$10.00	\$1,360
Cont Ftg_10'-0" x 1'-6", with 1'x1' shear key	858	SF	\$14.00	\$12,012
Fnd Wall_08" thk, 03'-0" high	1,758	SF	\$10.00	\$17,580
Fnd Wall_08" thk, 17'-0" high, elevator pit	1,329	SF	\$10.00	\$13,290
Fnd Wall_15" thk, 03'-0" high	333	SF	\$10.00	\$3,330
Fnd Wall_15" thk, 03'-6" high	1,302	SF	\$10.00	\$13,020
Fnd Wall_15" thk, 04'-0" high	87	SF	\$10.00	\$870
Fnd Wall_15" thk, 05'-0" high	127	SF	\$10.00	\$1,270
Fnd Wall_15" thk, 05'-6" high	32	SF	\$10.00	\$320
Fnd Wall_15" thk, 06'-0" high	118	SF	\$10.00	\$1,180
Fnd Wall_15" thk, 06'-6" high	113	SF	\$10.00	\$1,130
Fnd Wall_15" thk, 07'-0" high	217	SF	\$10.00	\$2,170
Fnd Wall_15" thk, 07'-6" high	804	SF	\$10.00	\$8,040
Fnd Wall_15" thk, 08'-0" high	48	SF	\$16.00	\$768
Fnd Wall_15" thk, 08'-6" high	314	SF	\$16.00	\$5,024
Fnd Wall_15" thk, 09'-6" high	326	SF	\$16.00	\$5,216
Fnd Wall_15" thk, 10'-6" high	1,726	SF	\$16.00	\$27,616
Fnd Wall_15" thk, 11'-6" high	930	SF	\$16.00	\$14,880
Fnd Wall_15" thk, 12'-6" high	944	SF	\$16.00	\$15,104
Fnd Wall_15" thk, 13'-6" high	1,026	SF	\$16.00	\$16,416
Pad Ftg_4'-0"x4'-0"x1'-0"	240	SF	\$15.00	\$3,600
Pad Ftg_5'-0"x5'-0"x1'-0"	660	SF	\$15.00	\$9,900
Pier, 24"x24", 03'-0" high	888	SF	\$15.00	\$13,320
Pier, 24"x24", 03'-6" high	84	SF	\$15.00	\$1,260
Pier, 24"x24", 05'-0" high	280	SF	\$15.00	\$4,200
Pier, 24"x24", 07'-0" high	56	SF	\$15.00	\$840
Mat foundation for elevator 1' thick	153	SF	\$10.00	\$1,530
Reinforcement:				
Cont Ftg_02'-6" x 1'-0"	3,000	LBS	\$1.25	\$3,750
Cont Ftg_04'-0" x 1'-0"	750	LBS	\$1.25	\$938
Cont Ftg_10'-0" x 1'-6", with 1'x1' shear key	11,925	LBS	\$1.25	\$14,906
Fnd Wall_08" thk, 03'-0" high	2,750	LBS	\$1.25	\$3,438
Fnd Wall_08" thk, 17'-0" high, elevator pit	2,000	LBS	\$1.25	\$2,500
Fnd Wall_15" thk, 03'-0" high	1,000	LBS	\$1.25	\$1,250
Fnd Wall_15" thk, 03'-6" high	3,750	LBS	\$1.25	\$4,688
Fnd Wall_15" thk, 04'-0" high	250	LBS	\$1.25	\$313
Fnd Wall_15" thk, 05'-0" high	375	LBS	\$1.25	\$469
Fnd Wall_15" thk, 05'-6" high	125	LBS	\$1.25	\$156
Fnd Wall_15" thk, 06'-0" high	375	LBS	\$1.25	\$469
Fnd Wall_15" thk, 06'-6" high	375	LBS	\$1.25	\$469
Fnd Wall_15" thk, 07'-0" high	625	LBS	\$1.25	\$781
Fnd Wall_15" thk, 07'-6" high	2,375	LBS	\$1.25	\$2,969
Fnd Wall_15" thk, 08'-0" high	125	LBS	\$1.25	\$156
Fnd Wall_15" thk, 08'-6" high	875	LBS	\$1.25	\$1,094
Fnd Wall_15" thk, 09'-6" high	1,000	LBS	\$1.25	\$1,250
Fnd Wall_15" thk, 10'-6" high	5,000	LBS	\$1.25	\$6,250
Fnd Wall_15" thk, 11'-6" high	2,750	LBS	\$1.25	\$3,438

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Fnd Wall_15" thk, 12'-6" high	2,750	LBS	\$1.25	\$3,438
Fnd Wall_15" thk, 13'-6" high	3,000	LBS	\$1.25	\$3,750
Pad Ftg_4'-0"x4'-0"x1'-0"	675	LBS	\$1.25	\$844
Pad Ftg_5'-0"x5'-0"x1'-0"	2,325	LBS	\$1.25	\$2,906
Pier, 24"x24", 03'-0" high	3,600	LBS	\$1.25	\$4,500
Pier, 24"x24", 03'-6" high	450	LBS	\$1.25	\$563
Pier, 24"x24", 05'-0" high	1,125	LBS	\$1.25	\$1,406
Pier, 24"x24", 07'-0" high	225	LBS	\$1.25	\$281
Mat foundation for elevator 1' thick, 250#/CY	500	LBS	\$1.25	\$625
Concrete:				
Cont Ftg_02'-6" x 1'-0"	40	CY	\$200.00	\$8,000
Cont Ftg_04'-0" x 1'-0"	10	CY	\$200.00	\$2,000
Cont Ftg_10'-0" x 1'-6", with 1'x1' shear key	159	CY	\$200.00	\$31,800
Fnd Wall_08" thk, 03'-0" high	22	CY	\$250.00	\$5,500
Fnd Wall_08" thk, 17'-0" high, elevator pit	16	CY	\$250.00	\$4,000
Fnd Wall_15" thk, 03'-0" high	8	CY	\$250.00	\$2,000
Fnd Wall_15" thk, 03'-6" high	30	CY	\$250.00	\$7,500
Fnd Wall_15" thk, 04'-0" high	2	CY	\$250.00	\$500
Fnd Wall_15" thk, 05'-0" high	3	CY	\$250.00	\$750
Fnd Wall_15" thk, 05'-6" high	1	CY	\$250.00	\$250
Fnd Wall_15" thk, 06'-0" high	3	CY	\$250.00	\$750
Fnd Wall_15" thk, 06'-6" high	3	CY	\$250.00	\$750
Fnd Wall_15" thk, 07'-0" high	5	CY	\$250.00	\$1,250
Fnd Wall_15" thk, 07'-6" high	19	CY	\$250.00	\$4,750
Fnd Wall_15" thk, 08'-0" high	1	CY	\$250.00	\$250
Fnd Wall_15" thk, 08'-6" high	7	CY	\$250.00	\$1,750
Fnd Wall_15" thk, 09'-6" high	8	CY	\$250.00	\$2,000
Fnd Wall_15" thk, 10'-6" high	40	CY	\$250.00	\$10,000
Fnd Wall_15" thk, 11'-6" high	22	CY	\$250.00	\$5,500
Fnd Wall_15" thk, 12'-6" high	22	CY	\$250.00	\$5,500
Fnd Wall_15" thk, 13'-6" high	24	CY	\$250.00	\$6,000
Pad Ftg_4'-0"x4'-0"x1'-0"	9	CY	\$450.00	\$4,050
Pad Ftg_5'-0"x5'-0"x1'-0"	31	CY	\$450.00	\$13,950
Pier, 24"x24", 03'-0" high	16	CY	\$550.00	\$8,800
Pier, 24"x24", 03'-6" high	2	CY	\$550.00	\$1,100
Pier, 24"x24", 05'-0" high	5	CY	\$550.00	\$2,750
Pier, 24"x24", 07'-0" high	1	CY	\$550.00	\$550
Mat foundation for elevator 1' thick	2	CY	\$350.00	\$700
Strip Formwork:				
Cont Ftg_02'-6" x 1'-0"	857	SF	\$1.25	\$1,071
Cont Ftg_04'-0" x 1'-0"	136	SF	\$1.25	\$170
Cont Ftg_10'-0" x 1'-6", with 1'x1' shear key	858	SF	\$1.25	\$1,073
Fnd Wall_08" thk, 03'-0" high	1,758	SF	\$1.25	\$2,198
Fnd Wall_08" thk, 17'-0" high, elevator pit	1,329	SF	\$1.25	\$1,661
Fnd Wall_15" thk, 03'-0" high	333	SF	\$1.25	\$416
Fnd Wall_15" thk, 03'-6" high	1,302	SF	\$1.25	\$1,628
Fnd Wall_15" thk, 04'-0" high	87	SF	\$1.25	\$109
Fnd Wall_15" thk, 05'-0" high	127	SF	\$1.25	\$159
Fnd Wall_15" thk, 05'-6" high	32	SF	\$1.25	\$40
Fnd Wall_15" thk, 06'-0" high	118	SF	\$1.25	\$148
Fnd Wall_15" thk, 06'-6" high	113	SF	\$1.25	\$141
Fnd Wall_15" thk, 07'-0" high	217	SF	\$1.25	\$271
Fnd Wall_15" thk, 07'-6" high	804	SF	\$1.25	\$1,005
Fnd Wall_15" thk, 08'-0" high	48	SF	\$1.25	\$60
Fnd Wall_15" thk, 08'-6" high	314	SF	\$1.25	\$393

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Fnd Wall_15" thk, 09'-6" high	326	SF	\$1.25	\$408				
Fnd Wall_15" thk, 10'-6" high	1,726	SF	\$1.25	\$2,158				
Fnd Wall_15" thk, 11'-6" high	930	SF	\$1.25	\$1,163				
Fnd Wall_15" thk, 12'-6" high	944	SF	\$1.25	\$1,180				
Fnd Wall_15" thk, 13'-6" high	1,026	SF	\$1.25	\$1,283				
Pad Ftg_4'-0"x4'-0"x1'-0"	240	SF	\$1.25	\$300				
Pad Ftg_5'-0"x5'-0"x1'-0"	660	SF	\$1.25	\$825				
Pier, 24"x24", 03'-0" high	888	SF	\$1.25	\$1,110				
Pier, 24"x24", 03'-6" high	84	SF	\$1.25	\$105				
Pier, 24"x24", 05'-0" high	280	SF	\$1.25	\$350				
Pier, 24"x24", 07'-0" high	56	SF	\$1.25	\$70				
Mat foundation for elevator 1' thick	153	SF	\$1.25	\$191				
Footing Step, 0'-6" h step (@ 02'-6" w x 1'-0" h ftg)					2	EA	\$500.00	\$1,000
Footing Step, 1'-0" h step (@ 02'-6" w x 1'-0" h ftg)					11	EA	\$750.00	\$8,250
Footing Step, 1'-0" h step (@ 10'-0" w x 1'-6" h ftg)					13	EA	\$3,000.00	\$39,000
Footing Step, 1'-6" h step (@ 02'-6" w x 1'-0" h ftg)					2	EA	\$1,000.00	\$2,000
Depressed/sloped slab in Swim Room 123					180	SF	\$10.00	\$1,800
SOG_5" thk concrete slab/15 mil vb/6" CA-6/synthetic fibers					22,607	SF	\$7.50	\$169,553
SOG_Frost stoop with 4'd drain rock					453	SF	\$15.00	\$6,795
Sump pit, 2'x2'x2'					1	EA	\$5,000.00	\$5,000
Perimeter insulation					5,654	SF	\$5.00	\$28,270
Waterproofing foundation walls					(not required)			\$0
Foundation excavation					1	LS	\$50,000.00	\$50,000
Haul off/backfill					1	LS	\$25,000.00	\$25,000
Floor Construction					Subtotal		\$26.09/SF	\$716,564
Floor & roof steel framing, wide flanged beam & girder framing					30	TONS	\$6,500.00	\$195,000
Floor & roof steel framing, standard K-Series joist framing					11	TONS	\$4,800.00	\$52,800
Columns & base plates, ASTM A992 wide flange profiles					19	TONS	\$6,500.00	\$123,500
ASTM A500 grade C hollow structural sections					4	TONS	\$7,500.00	\$30,000
ASTM A36 baseplates					1.5	TONS	\$7,500.00	\$11,250
Diagonal bracing, ASTM A500 grade C hollow structural sections					6	TONS	\$7,500.00	\$45,000
Misc. ground lvl, ASTM A36 misc. plates, angles, channels					1.5	TONS	\$4,500.00	\$6,750
Misc. roofs, ASTM A36 misc. plates, angles, channels					8	TONS	\$4,500.00	\$36,000
Misc. lvl 2, ASTM A36 misc. plates, angles, channels					2	TONS	\$4,500.00	\$9,000
RTU screen wall					6	TONS	\$6,500.00	\$39,000
3-1/4" LWC on 2" composite decking					6,522	SF	\$12.00	\$78,264
Stairs					2	EA	\$25,000.00	\$50,000
Elevator rail steel					1	LS	\$15,000.00	\$15,000
Miscellaneous steel (lintels, CMU wall connections, etc.)					1	LS	\$25,000.00	\$25,000
Roof Construction					Subtotal		\$24.15/SF	\$663,389
1.5" x 22ga steel roof decking, 1:12 SLOPE					11,253	SF	\$4.50	\$50,639
Exposed ends of glulam beam to be tapered & have sheet metal enclosure					16	EA	\$250.00	\$4,000
Exposed ends of glulam beam to be tapered & have sheet metal end cap					35	EA	\$250.00	\$8,750
W.W. Timbers Quote:					1	LS	\$600,000.00	\$600,000
4" tongue & groove wood deck					(included in quote)			\$0
4" tongue & groove wood deck					(included in quote)			\$0
4" tongue & groove wood deck, flat roof					(included in quote)			\$0
Glulam beam 5.5 x 16.5 or 5.5 x 20					(included in quote)			\$0
Glulam girder 8.5 x 20.625					(included in quote)			\$0
Glulam girder w/ 15' cantilever span 8.5 x 28.875					(included in quote)			\$0

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Glulam girder w/ 10' cantilever 8.5 x 20.625	(included in quote)		\$0
Steel connection between glulam beam & girder at overlap	(included in quote)		\$0
Exterior Enclosure			
	Subtotal	\$61.48/SF	\$1,688,785
E-BRK-1_Face brick	2,232 SF	\$63.00	\$140,616
E-FC-1_Fiber cement board, 6" plank, concealed fasteners, rainscreen	7,024 SF	\$79.00	\$554,896
E-GL-1_1" glazing, custom acid etch, low-E	2,483 SF	\$95.00	\$235,885
E-GL-1A_1" spandrel glazing, custom acid etch, low-E	140 SF	\$100.00	\$14,000
E-GL-2_1" glazing, ceramic frit, low-E	1,247 SF	\$93.00	\$115,971
E-GL-3_1" glazing, custom acid etch, low-E	207 SF	\$95.00	\$19,665
E-GL_Premium for operable unit	720 SF	\$15.00	\$10,800
E-MTL-1_CMP, plate mtl pnl,12"x48", rainscreen, copper anod	1,529 SF	\$102.00	\$155,958
E-MTL-2_CMP, perf mtl pnl,custom pattern, copper anod (sunscreen)	761 SF	\$85.00	\$64,685
E-MTL-4_Formed metal trim	22 SF	\$82.00	\$1,804
[ALTERNATE]: E-RAIL-1_42" glass guardrail w/ base & top shoe, Terrace railing	0 LF	\$400.00	\$0
E-STN-1_Cast stone sill	325 LF	\$65.00	\$21,125
E-STN-1_Manuf stone	1,579 SF	\$102.00	\$161,058
E-WIN-2_Window unit	965 SF	\$85.00	\$82,025
Exterior pin signage, "EMERGENCY"	9 EA	\$1,500.00	\$13,500
ISO Run fencing, ceilings	100 SF	\$65.00	\$6,500
ISO Run fencing, walls	169 SF	\$65.00	\$10,985
Aluminum storefront door & hardware, single	6 EA	\$3,500.00	\$21,000
Auto opener	2 EA	\$3,500.00	\$7,000
HM door/frame/hardware, double	1 EA	\$3,000.00	\$3,000
HM door/frame/hardware, single	3 EA	\$1,500.00	\$4,500
Overhead coiling door, w/ opener	1 EA	\$15,000.00	\$15,000
Soffit_Paint/stain exposed wood deck soffit	2,401 SF	\$12.00	\$28,812
Roofing			
	Subtotal	\$29.00/SF	\$796,636
Roofing, standing seam metal roof	23,844 SF	\$32.00	\$763,008
Roof, flat roof	1,201 SF	\$28.00	\$33,628
Interior Construction			
	Subtotal	\$85.78/SF	\$2,356,111
Partitions:			
Allowance for lead lining walls, doors, ceilings, etc	1 LS	\$5,000.00	\$5,000
Partition_1A21_12'-6"h, furring, 2-1/2"MS, gyp 1-side	3,484 SF	\$11.50	\$40,066
Partition_1A21_16'-9"h, furring, 2-1/2"MS, gyp 1-side	536 SF	\$11.50	\$6,164
Partition_1A30_16'-9"h, furring, 3-5/8"MS, gyp 1-side	586 SF	\$15.00	\$8,790
Partition_1A31_12'-6"h, furring, 3-5/8"MS, gyp 1-side	690 SF	\$15.00	\$10,350
Partition_1C23_12'-6"h, 8"CMU	1,098 SF	\$22.00	\$24,156
Partition_1C23_16'-9"h, 8"CMU	557 SF	\$22.00	\$12,254
Partition_1C24_12'-6"h, 8"CMU	22,249 SF	\$22.00	\$489,478
Partition_1C24_16'-9", 8"CMU	529 SF	\$22.00	\$11,638
Partition_2A02_12'-6"h, 3-5/8"MS, gyp 2-sides	628 SF	\$18.00	\$11,304
Partition_2A13_12'-6"h, 3-5/8"MS, batt, gyp 2-sides	1,134 SF	\$20.00	\$22,680
Partition_2A13_16'-9"h, 3-5/8"MS, batt, gyp 2-sides	4,342 SF	\$20.00	\$86,840
Misc. blocking, allowance	1 LS	\$20,000.00	\$20,000
Premium for CMU shear walls	1 LS	\$25,000.00	\$25,000
Flooring/Base:			
Base_4" rubber base (at LVT)	1,187 LF	\$3.50	\$4,155
Base_4" rubber base (at polished concrete)	820 LF	\$3.50	\$2,870
Base_4" rubber base (at sealed concrete)	443 LF	\$3.50	\$1,551
Base_Ceramic tile base	242 LF	\$22.00	\$5,324

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EP_Epoxy flooring w/integral base	10,197 SF	\$16.13	\$164,461
[ALTERNATE]: EXT_Exterior patio deck tile system	0 SF		\$0
LVT_Luxury vinyl tile	5,193 SF	\$8.00	\$41,544
PC_Polished concrete	4,798 SF	\$5.50	\$26,389
SC_Sealed concrete	1,626 SF	\$2.50	\$4,065
SSR_Sheet vinyl resilient flooring w/ integral coved base	2,824 SF	\$8.00	\$22,592
T_Ceramic floor tile	510 SF	\$22.00	\$11,220
Wall Finishes:			
Paint gyp board walls	30,215 SF	\$1.00	\$30,215
Paint CMU walls	48,866 SF	\$2.50	\$122,165
Paint stair pans, stringers, handrails & guard rails	2 EA	\$5,000.00	\$10,000
Wall finish at backsplash	41 SF	\$25.00	\$1,025
Wall finish at Breakroom 211	119 SF	\$25.00	\$2,975
Wall finish at Classroom 103	608 SF	\$25.00	\$15,200
Wall finish at drinking fountain	29 SF	\$25.00	\$725
Wall finish at Intake 111	48 SF	\$25.00	\$1,200
Wall finish at Nurse's Room 107	38 SF	\$25.00	\$950
Wall finish at soffit	53 SF	\$25.00	\$1,325
Full height wall tile at bathrooms	382 SF	\$22.00	\$8,404
Paint single dr & frame	60 EA	\$150.00	\$9,000
Paint pair dr w/ frame	2 EA	\$250.00	\$500
Paint single dr w/ frame, large sidelite	4 EA	\$300.00	\$1,200
Paint HM window frames	6 EA	\$400.00	\$2,400
Miscellaneous wall finishes, Allowance	1 LS	\$10,000.00	\$10,000
Ceilings:			
ACT-1_2x2 acoustical ceiling system	2,469 SF	\$8.00	\$19,752
Exposed, painted	1,912 SF	\$2.50	\$4,780
Gypsum board ceiling	12,989 SF	\$12.00	\$155,868
Paint gypsum board ceiling	12,989 EA	\$1.20	\$15,587
Stain/seal glu-lam beams & t&g	8,067 SF	\$5.00	\$40,335
Vestibule ceiling framing	133 SF	\$25.00	\$3,325
Casework:			
Custom millwork display at Open Office	51 LF	\$450.00	\$22,950
Custom millwork display shelving	8 LF	\$250.00	\$2,000
Custom millwork Gift Station	11 LF	\$1,500.00	\$16,500
Custom millwork Intake Station	40 LF	\$1,200.00	\$48,000
Custom millwork island at Library, 4'w	9 LF	\$1,800.00	\$16,200
Custom millwork Reception/Info Station	14 LF	\$1,500.00	\$21,000
Plam base cabinet w/ solid surface countertop	268 LF	\$350.00	\$93,800
Plam upper cabinet	168 LF	\$120.00	\$20,160
Solid surface vanity countertop w/ apron panel	18 LF	\$225.00	\$4,050
Tall wardrobe cabinets	16 LF	\$450.00	\$7,200
Specialties:			
EQUIP_Commercial washer/dryer	6 EA	\$5,000.00	\$30,000
EQUIP_Flat panel display monitor, 60" diagonal	2 EA	\$2,000.00	\$4,000
EQUIP_Flat panel display monitor, 84" diagonal	1 EA	\$3,500.00	\$3,500
EQUIP_Flat panel display monitor, 96" diagonal	1 EA	\$5,000.00	\$5,000
EQUIP_Printer/Copier machine, EXCLUDED	1 EA	\$0.00	\$0
EQUIP_Standard size refrigerator/freezer unit	4 EA	\$2,500.00	\$10,000
EQUIP_Surgery table, large, Room 114	1 EA	\$50,000.00	\$50,000
EQUIP_Surgery table, small, Room 114D	1 EA	\$25,000.00	\$25,000
EQUIP_Undercounter refrigerator	10 EA	\$500.00	\$5,000
EQUIP_Walk-in freezer	2 EA	\$25,000.00	\$50,000
EQUIP_Walk-in refrigerator	1 EA	\$25,000.00	\$25,000
MISC_Building signage	1 LS	\$7,500.00	\$7,500

APPENDIX
BUDGET ANALYSIS - CRITICAL SCOPE

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MISC_Lockers, 12"w x 15"d x 60"h, metal, w/ hood & base	15	EA	\$550.00	\$8,250
MISC_Pin letter signage at Intake Station, 8"h	19	EA	\$500.00	\$9,500
MISC_Shelving racks, 2'-0" deep	473	LF	\$100.00	\$47,300
MISC_Shelving racks, 2'-6" deep	273	LF	\$150.00	\$40,950
MISC_Shelving racks, 3'-0" deep	24	LF	\$200.00	\$4,800
MISC_Wayfinding signage	1	LS	\$5,000.00	\$5,000
MISC_Large animal cages	7	EA	\$2,500.00	\$17,500
TA_ADA toilet partition	2	EA	\$1,800.00	\$3,600
TA_Coat hook	6	EA	\$25.00	\$150
TA_Grab bars, set	6	EA	\$120.00	\$720
TA_Hand dryer	5	EA	\$450.00	\$2,250
TA_Janitor's shelf	1	EA	\$350.00	\$350
TA_Mirror	7	EA	\$300.00	\$2,100
TA_Paper towel dispenser/disposal	27	EA	\$350.00	\$9,450
TA_Soap dispenser	29	EA	\$125.00	\$3,625
TA_Standard toilet partition	1	EA	\$1,400.00	\$1,400
TA_Toilet paper dispenser	6	EA	\$65.00	\$390
TA_Urinal screen	1	EA	\$350.00	\$350
Baby changing station	2	EA	\$500.00	\$1,000
Interior Doors/Windows:				
Aluminum storefront door & hardware, single	2	EA	\$3,500.00	\$7,000
Auto opener	2	EA	\$3,500.00	\$7,000
HM door/frame/hardware, double	2	EA	\$3,000.00	\$6,000
HM door/frame/hardware, single	38	EA	\$1,500.00	\$57,000
Interior storefront glazing, 10'h	395	SF	\$75.00	\$29,625
Interior window, 5'-2"h	248	SF	\$65.00	\$16,120
Solid core wood door/frame/hardware, single	22	EA	\$1,500.00	\$33,000
Transom window & sidelight	40	SF	\$1,500.00	\$60,000
Conveying				
Subtotal			\$2.55/SF	\$70,000
2-stop elevator	1	LS	\$70,000.00	\$70,000
Fire Protection				
Subtotal			\$4.50/SF	\$123,602
Building fire protection systems, Levels 1 & 2	27,467	SF	\$4.50	\$123,602
Fire pump, Excluded			(not anticipated)	\$0
Plumbing				
Subtotal			\$24.50/SF	\$672,942
Building plumbing systems, Levels 1 & 2	27,467	SF	\$24.50	\$672,942
HVAC				
Subtotal			\$48.00/SF	\$1,318,416
Building HVAC system (with AHUs), Levels 1 & 2	27,467	SF	\$48.00	\$1,318,416
Standard Electrical				
Subtotal			\$33.39/SF	\$917,092
Electrical power & lighting systems, Level 1	21,987	SF	\$36.00	\$791,532
Electrical power & lighting systems, Level 2	5,480	SF	\$22.00	\$120,560
Connection to building for backup generator (generator not included)	1	LS	\$5,000.00	\$5,000
Low Voltage				
Subtotal			\$9.20/SF	\$252,683
Fire alarm system, Level 1	21,987	SF	\$5.00	\$109,935
Fire alarm system, Level 2	5,480	SF	\$4.00	\$21,920
Low voltage systems, Level 1	21,987	SF	\$4.00	\$87,948



Willowbrook Wildlife Center Phase 2
 100% Schematic Design Budget Analysis
 New Clinic, Indoor Rehabilitation & Visitor Center
 September 9, 2021



Low voltage systems, Level 2	5,480	SF	\$6.00	\$32,880
Other Items & Systems				
Subtotal			\$8.37/SF	\$230,000
Furniture	1	LS	\$230,000.00	\$230,000
SUBTOTAL: CONTRACTOR HARD COST: \$11,834,679				
Project Contingency			8.0%	\$946,774
Escalation (construction start late Spring 2023)			5%	\$706,814
OTHER OWNER COSTS				
Medical/Clinic Equipment		LS		\$400,000
User Experience Exhibit [see alternate]		LS		\$0
Security Equipment		LS		\$60,000
A/V Equipment, Including Wildlife Camera System		LS		\$75,000
SUBTOTAL - OTHER OWNER COSTS:				\$535,000
SUBTOTAL - CONSTRUCTION COSTS				\$14,023,268
SOFT COSTS				
Remaining A/E Fees & Reimbursables			7.6%	\$971,390
User Experience Design Fees		LS	\$130,000.00	\$130,000
Permits, Bonds, Commissioning, Testing, Etc.			3%	\$383,444
SUBTOTAL - SOFT COSTS				\$1,484,834
PROJECT TOTAL				\$15,508,102

BUDGET ANALYSIS - CRITICAL SCOPE

Willowbrook Wildlife Center Phase 2
 100% Schematic Design Budget Analysis
 Existing Building Demolition
 September 9, 2021



Scope Description	Quantity	Unit	Unit Cost	Item Total
3) Existing Building Demolition	6,000	SF	\$14.00	\$84,000
General Conditions + CM Fee & Insurance	12%			\$9,000
Sitework				\$75,000
Site Preparation: Demolish 6,000 sf Clinic/Welcome Center building + required sitework demo	1	LS	\$75,000.00	\$75,000
SUBTOTAL: CONTRACTOR HARD COST:				\$84,000
Project Contingency		8%		\$6,720
Escalation (construction start late spring 2024)		8%		\$7,657
SUBTOTAL - CONSTRUCTION COSTS				\$98,377
SOFT COSTS				
Remaining A/E Fees & Reimbursables		4%		\$3,629
Permits, Bonds, Commissioning, Testing, Etc.		1.5%		\$1,361
SUBTOTAL - SOFT COSTS				\$4,990
PROJECT TOTAL				\$103,366

Willowbrook Wildlife Center Phase 2
 100% Schematic Design Budget Analysis
 Outdoor Rehabilitation Phase 2
 September 9, 2021



Scope Description	Quantity	Unit	Unit Cost	Item Total
4) Outdoor Rehabilitation Phase 2	29,123	SF	\$41.73	\$1,215,407
General Conditions + CM Fee & Insurance	12%			\$130,222
Sitework				\$1,085,185
Site Preparation: Miscellaneous site demo	1	LS	\$20,000.00	\$20,000
Site Improvements:				
Enclosure A [Alternate]	1	LS	\$0.00	\$0
Enclosure B	1	LS	\$228,562.50	\$228,563
Enclosure C	1	LS	\$285,582.00	\$285,582
Enclosure D	1	LS	\$301,869.25	\$301,869
Enclosure E	1	LS	\$94,318.50	\$94,319
Enclosure F	1	LS	\$89,483.00	\$89,483
Site Utilities:				
Lift Station & Force Main (Birds & Waterfowl / Carnivore)	1	EA	\$25,000.00	\$25,000
1-1/2" copper water mains to serve hydrants	186	LF	\$45.00	\$8,370
Pathway lighting	1	LS	\$32,000.00	\$32,000
SUBTOTAL: CONTRACTOR HARD COST:				\$1,215,407
Project Contingency		8%		\$97,233
Escalation (construction start late spring 2024)		8%		\$114,147
SUBTOTAL - CONSTRUCTION COSTS				\$1,426,787
SOFT COSTS				
Remaining A/E Fees & Reimbursables		7.2%		\$94,510
Permits, Bonds, Commissioning, Testing, Etc.		1.5%		\$19,690
SUBTOTAL - SOFT COSTS				\$114,200
PROJECT TOTAL				\$1,540,987

APPENDIX
BUDGET ANALYSIS - CRITICAL SCOPE

Willowbrook Wildlife Center Phase 2
 100% Schematic Design Budget Analysis
 Site Development
 September 9, 2021



Scope Description	Quantity	Unit	Unit Cost	Item Total
5) Site Development	37,948	SF	\$32.96	\$1,250,731
General Conditions + CM Fee & Insurance	12%			\$134,007
Sitework				\$1,116,724
Site Preparation:				
Site clearing & demolition	1	LS	\$25,000.00	\$25,000
Tree removal	1	LS	\$25,000.00	\$25,000
Eliminate trail	446	LF	\$10.00	\$4,460
Double Row Silt Fence (along wetland buffer)	1,340	LF	\$15.00	\$20,100
Earthwork, cut	2,610	CY	\$18.00	\$46,980
Earthwork, import	3,700	CY	\$45.00	\$166,500
Earthwork & aggregate, cut at vegetated BMP area	1,000	CY	\$50.00	\$50,000
Topsoil export	2,000	CY	\$30.00	\$60,000
Site Improvements:				
Proposed chainlink fence, 8'h	1,200	LF	\$65.00	\$78,000
Standard fence (at Proposed decorative screenwall fencing location)	350	LF	\$65.00	\$22,750
Perimeter fence gate, 10' wide	1	EA	\$7,500.00	\$7,500
Perimeter fence vehical gate, 24' wide	1	EA	\$25,000.00	\$25,000
See alternate: Amphitheater (Outdoor Class w/ permeable pavers)	0	LS	\$90,000.00	\$0
See alternate: Lighting elements at entry path	0	LS	\$15,000.00	\$0
Interpretive placards	0	LS	\$7,500.00	\$0
Modify existing or build new trash enclosure	1	LS	\$10,000.00	\$10,000
Hardscaping:				
See alternate: Concrete walks	0	SF	\$8.00	\$0
Sidewalk (Entrance walks)	6,300	SF	\$10.00	\$63,000
Proposed drive	8,220	SF	\$7.50	\$61,650
Proposed HMA path	4,850	SF	\$5.00	\$24,250
Permeable paver BMP area	1,751	SF	\$15.00	\$26,265
Permeable paver BMP area concrete perimeter curb	257	LF	\$22.00	\$5,654
Pavers & aggregate remove/replace for sanitary	2,100	SF	\$18.00	\$37,800
ADA curb cut	1	EA	\$500.00	\$500
Curb & gutter	175	LF	\$24.00	\$4,200
Landscaping:				
Vegetated BMP area	10,240	SF	\$7.50	\$76,800
See alternate: Proposed native wildlife garden	0	SF	\$5.00	\$0
See alternate: Seed & blanket	0	SF	\$0.50	\$0
See alternate: Sod	0	SF	\$1.50	\$0
See alternate: Trees	0	EA	\$650.00	\$0
Site Utilities:				
ELECT_Electrical service (415LF service, temp re-route, directional boring, etc)	1	LS	\$100,000.00	\$100,000
ELECT_Transformer & generator pads	2	EA	\$10,000.00	\$20,000
ELECT_Utility transformer	(by ComEd)			\$0
SAN_POC to building	1	EA	\$750.00	\$750
SAN_POC to structure	5	EA	\$500.00	\$2,500
SAN_PVC SDR 26 piping, 8"	285	LF	\$65.00	\$18,525
SAN_Force main sanitary	185	LF	\$65.00	\$12,025
SAN_Structure	2	EA	\$3,500.00	\$7,000
SITE WTR_POC to building	1	EA	\$750.00	\$750
STM_Flaired end structure	5	EA	\$1,500.00	\$7,500
STM_POC to structure	13	EA	\$500.00	\$6,500
STM_PVC piping, 6"	200	LF	\$45.00	\$9,000

Willowbrook Wildlife Center Phase 2
 100% Schematic Design Budget Analysis
 Site Development
 September 9, 2021



STM_PVC piping, 12"	433	LF	\$65.00	\$28,145
STM_RCP piping, 24"	50	LF	\$110.00	\$5,500
STM_Structure	7	EA	\$2,500.00	\$17,500
STM_Underdrain piping, 6"	124	LF	\$45.00	\$5,580
WTR_DIP CL52 watermain, 6"	132	LF	\$70.00	\$9,240
WTR_POC to building	1	EA	\$750.00	\$750
WTR_POC to existing stubout	1	EA	\$500.00	\$500
New fire service (from PH1 stub)	57	LF	\$150.00	\$8,550
Natural Gas Service	1	LS	\$15,000.00	\$15,000
SUBTOTAL: CONTRACTOR HARD COST:				\$1,250,731
Project Contingency	10.5%			\$131,327
Escalation (construction start late spring 2024)	8%			\$117,751
SUBTOTAL - CONSTRUCTION COSTS				\$1,499,809
SOFT COSTS				
Remaining A/E Fees & Reimbursables	5%			\$69,103
Permits, Bonds, Commissioning, Testing, Etc.	1.5%			\$20,731
SUBTOTAL - SOFT COSTS				\$89,834
PROJECT TOTAL				\$1,589,643

Willowbrook Wildlife Center Phase 2
 100% Schematic Design Budget Analysis
 Species Recovery Building Conversion
 September 9, 2021



Scope Description	Quantity	Unit	Unit Cost	Item Total
6) Species Recovery Building Conversion	5,400	SF	\$11.72	\$63,296
General Conditions + CM Fee & Insurance		15%		\$8,256
Exterior Enclosure	Subtotal		\$1.53/SF	\$8,250
Remove window, demo wall, prep for new opening	1	EA	\$5,000.00	\$5,000
Single dr w/ frame & hardware	1	EA	\$3,000.00	\$3,000
Paint single dr & frame	1	EA	\$250.00	\$250
Interior Construction	Subtotal		\$8.66/SF	\$46,790
Flooring/Base:				
Remove flooring & base, prep for new	1,428	SF	\$3.00	\$4,284
EP_Epoxy flooring w/integral base	1,428	SF	\$18.00	\$25,704
Wall Finishes:				
Patch & prep walls for new paint	2,592	SF	\$4.00	\$10,368
Paint walls. Assumed 10'H	2,592	SF	\$2.00	\$5,184
Paint existing single dr & frame	5	EA	\$250.00	\$1,250
SUBTOTAL: CONTRACTOR HARD COST:				\$63,296
Project Contingency		12%		\$7,596
Escalation (construction start late spring 2024)		8%		\$5,983
SUBTOTAL - CONSTRUCTION COSTS				\$76,875
SOFT COSTS				
Remaining A/E Fees & Reimbursables		4%		\$2,836
Permits, Bonds, Commissioning, Testing, Etc.		1.5%		\$1,063
SUBTOTAL - SOFT COSTS				\$3,899
PROJECT TOTAL				\$80,774

BUDGET ANALYSIS - CRITICAL PHASED SCOPE

Willowbrook Wildlife Center Phase 2
 100% Schematic Design Budget Analysis
 Outdoor Rehabilitation Phase 1
 September 9, 2021



Scope Description	Quantity	Unit	Unit Cost	Item Total
1) Raptor Flight Barn (Enclosure J)				\$1,238,765
General Conditions + CM Fee & Insurance		12%		\$132,725
Sitework				\$1,106,040
Site Improvements:				
Enclosure J	1	LS	\$1,087,540.00	\$1,087,540
Site Utilities:				
New exterior grade power panel	1	EA	\$1,500.00	\$1,500
Conduit & wire from cage panels to main building	100	LF	\$25.00	\$2,500
Conduit & wire run from panels to each cage/outlet	1	LS	\$5,000.00	\$5,000
2" CW underground piping	100	LF	\$45.00	\$4,500
1" CW underground piping	100	LF	\$35.00	\$3,500
Hydrant	2	EA	\$750.00	\$1,500
Pathway lighting		(not anticipated)		\$0
SUBTOTAL: CONTRACTOR HARD COST:				\$1,238,765
Project Contingency		8%		\$99,101
Escalation (construction start Summer 2022)		3%		\$43,548
SUBTOTAL - CONSTRUCTION COSTS				\$1,381,414
SOFT COSTS				
Remaining A/E Fees & Reimbursables		7.0%		\$93,651
Permits, Bonds, Commissioning, Testing, Etc.		1.5%		\$20,068
SUBTOTAL - SOFT COSTS				\$113,719
PROJECT TOTAL				\$1,495,132

Willowbrook Wildlife Center Phase 2
 100% Schematic Design Budget Analysis
 Outdoor Rehabilitation Phase 2
 September 9, 2021



Scope Description	Quantity	Unit	Unit Cost	Item Total
Essential Scope/Phased: Large Waterfowl (enclosure A)	29,123	SF	\$8.09	\$235,625
General Conditions + CM Fee & Insurance		12%		\$25,246
Sitework				\$210,380
Site Preparation:				
Miscellaneous site demo [in base cost]	0	LS		\$0
Site Improvements:				
Enclosure A	1	LS	\$205,129.75	\$205,130
Site Utilities:				
1-1/2" copper water mains to serve hydrants	50	LF	\$45.00	\$2,250
Pathway lighting	1	LS	\$3,000.00	\$3,000
SUBTOTAL: CONTRACTOR HARD COST:				\$235,625
Project Contingency		8%		\$18,850
Escalation (construction start late spring 2024)		8%		\$22,129
SUBTOTAL - CONSTRUCTION COSTS				\$276,605
SOFT COSTS				
Remaining A/E Fees & Reimbursables		7.2%		\$18,322
Permits, Bonds, Commissioning, Testing, Etc.		1.5%		\$3,817
SUBTOTAL - SOFT COSTS				\$22,139
PROJECT TOTAL				\$298,744

Willowbrook Wildlife Center Phase 2
 100% Schematic Design Budget Analysis
 Site Development
 September 9, 2021



Scope Description	Quantity	Unit	Unit Cost	Item Total
5) Site Development Alternate: Public Site Elements	37,948	SF	\$9.61	\$364,493
General Conditions + CM Fee & Insurance		12%		\$39,053
Sitework				\$325,440
Site Preparation:				
In base project				\$0
Site Improvements:				
Amphitheater (Outdoor Class w/ permeable pavers)	1	LS	\$90,000.00	\$90,000
Lighting elements at entry path	1	LS	\$15,000.00	\$15,000
Interpretive placards	1	LS	\$7,500.00	\$7,500
Hardscaping:				
Concrete walks	5,400	SF	\$8.00	\$43,200
Landscaping:				
Proposed native wildlife garden	16,602	SF	\$5.00	\$83,010
Seed & blanket	63,460	SF	\$0.50	\$31,730
Sod	15,000	SF	\$1.50	\$22,500
Trees	50	EA	\$650.00	\$32,500
Site Utilities:				
In Base Project				\$0
SUBTOTAL: CONTRACTOR HARD COST:				\$364,493
Project Contingency		9%		\$32,804
Escalation (construction start late spring 2024)		8%		\$33,850
SUBTOTAL - CONSTRUCTION COSTS				\$431,147
SOFT COSTS				
Remaining A/E Fees & Reimbursables		5%		\$19,865
Permits, Bonds, Commissioning, Testing, Etc.		1.5%		\$5,959
SUBTOTAL - SOFT COSTS				\$25,824
PROJECT TOTAL				\$456,971

BUDGET ANALYSIS - PRIORITY ALTERNATES

Willowbrook Wildlife Center Phase 2
 50% Schematic Design Budget Analysis
 New Building
 September 9, 2021



Scope Description	Quantity	Unit	Unit Cost	Item Total
Alternate: PV Panels limited on portion of clinic	37,948	SF	\$3.31	\$125,552
General Conditions + CM Fee & Insurance	12%			\$13,452
Sitework				\$112,100
Site Utilities:				
Photovoltaics	59	kW	\$1,900.00	\$112,100
SUBTOTAL - CONSTRUCTION COSTS				\$125,552
CONTINGENCIES				
Project Contingency		10%		\$12,555
A/E Fees & Reimbursables		7.0%		\$9,668
Permits, Bonds, Commissioning, Testing, Etc.		2%		\$2,762
Escalation		8%		\$12,043
SUBTOTAL - CONTINGENCIES				\$37,028
PROJECT TOTAL				\$162,580

Willowbrook Wildlife Center Phase 2
 50% Schematic Design Budget Analysis
 New Building
 September 9, 2021



Scope Description	Quantity	Unit	Unit Cost	Item Total
Alternate: PV Panels maximized on site	37,948	SF	\$16.34	\$619,920
General Conditions + CM Fee & Insurance	12%			\$66,420
Sitework				\$553,500
Site Utilities:				
Photovoltaics, 265 kW	265	kW	\$1,900.00	\$503,500
Photovoltaics, ground mounted structure	1	LS	\$50,000.00	\$50,000
SUBTOTAL - CONSTRUCTION COSTS				\$619,920
CONTINGENCIES				
Project Contingency		10%		\$61,992
A/E Fees & Reimbursables		9.5%		\$64,782
Permits, Bonds, Commissioning, Testing, Etc.		3%		\$20,457
Escalation		3%		\$23,015
SUBTOTAL - CONTINGENCIES				\$170,246
PROJECT TOTAL				\$790,166

BUDGET ANALYSIS - PRIORITY ALTERNATES

Willowbrook Wildlife Center Phase 2
 100% Schematic Design Budget Analysis
 New Clinic, Indoor Rehabilitation & Visitor Center
 September 9, 2021



Scope Description	Quantity	Unit	Unit Cost	Item Total
Alternate - Staff Roof Terrace at New Clinic	27,467	SF	#REF!	#REF!
General Conditions + CM Fee & Insurance		12%		\$7,629
Exterior Enclosure	Subtotal		\$1.33/SF	\$36,400
E-RAIL-1_42" glass guardrail w/ base & top shoe, Terrace railing	91	LF	\$400.00	\$36,400
Flooring/Base:				
EXT_Exterior patio deck tile system	1,087	SF	\$25.00	\$27,175
SUBTOTAL - CONTRACTOR HARD COST:				\$44,029
Project Contingency		8%		\$3,522
Escalation (construction start late Spring 2023)		5%		\$2,630
SUBTOTAL - CONSTRUCTION COSTS				\$50,181
SOFT COSTS				
Remaining A/E Fees & Reimbursables		7.6%		\$3,614
Permits, Bonds, Commissioning, Testing, Etc.		3%		\$1,427
SUBTOTAL - SOFT COSTS				\$5,040
PROJECT TOTAL				\$55,221

Willowbrook Wildlife Center Phase 2
 50% Schematic Design Budget Analysis
 Rainwater Harvesting
 July 27, 2021



Scope Description	Quantity	Unit	Unit Cost	Item Total
New Building - Rainwater Harvesting	37,948	SF	\$6.30	\$239,030
General Conditions + CM Fee & Insurance		12%		\$25,610
Sitework				\$213,420
Site Utilities:				
Rainwater harvesting system	1	LS	\$187,720.00	\$187,720
Below ground day tank	1	LS	\$700.00	\$700
Installation, piping between components, electrical connections, etc.	1	LS	\$25,000.00	\$25,000
SUBTOTAL - CONSTRUCTION COSTS				\$239,030
CONTINGENCIES				
Project Contingency		10%		\$23,903
A/E Fees & Reimbursables		9.5%		\$24,979
Permits, Bonds, Commissioning, Testing, Etc.		3%		\$7,888
Escalation		3%		\$8,874
SUBTOTAL - CONTINGENCIES				\$65,644
PROJECT TOTAL				\$304,674

BUDGET ANALYSIS - PRIORITY ALTERNATES

Willowbrook Wildlife Center Phase 2
 50% Schematic Design Budget Analysis
 Electric Vehicle Charging Station
 July 27, 2021



Scope Description	Quantity	Unit	Unit Cost	Item Total
5) Site Alternate: Electric Vehicle Charging Stations	37,948	SF	\$0.68	\$25,984
General Conditions + CM Fee & Insurance	12%			\$2,784
Sitework				\$23,200
Site Utilities:				
32 Amp Double Charging Station	2	EA	\$5,600.00	\$11,200
Electric from box to station	1	LS	\$10,000.00	\$10,000
Electrical box upgrade	1	LS	\$2,000.00	\$2,000
SUBTOTAL - CONSTRUCTION COSTS				\$25,984
CONTINGENCIES				
Project Contingency	10%			\$2,598
A/E Fees & Reimbursables	6.0%			\$1,715
Permits, Bonds, Commissioning, Testing, Etc.	1.5%			\$429
Escalation	5%			\$1,536
SUBTOTAL - CONTINGENCIES				\$6,278
PROJECT TOTAL				\$32,262

Willowbrook Wildlife Center Phase 2
 50% Schematic Design Budget Analysis
 Generator -Alternate
 July 27, 2021



Scope Description	Quantity	Unit	Unit Cost	Item Total
2) Generator - Alternate	37,948	SF	\$4.43	\$168,000
General Conditions + CM Fee & Insurance	12%			\$18,000
Sitework				\$150,000
Site Utilities:				
ELECT_Generator	1	EA	\$150,000.00	\$150,000
SUBTOTAL - CONSTRUCTION COSTS				\$168,000
CONTINGENCIES				
Project Contingency	8%			\$13,440
A/E Fees & Reimbursables	4.0%			\$7,258
Permits, Bonds, Commissioning, Testing, Etc.	1.5%			\$2,722
Escalation	5%			\$9,571
SUBTOTAL - CONTINGENCIES				\$32,990
PROJECT TOTAL				\$200,990

SUSTAINABILITY ANALYSIS - EMBODIED CARBON

WOOD PANEL
CLADDING

3% 

FIBER CEMENT
BOARDS

28% 

METAL COMPOSITE
PANEL

54% 

CLAY BRICK

15% 

CRADLE TO GATE MATERIAL PRODUCTION

1 RAW MATERIAL SUPPLY

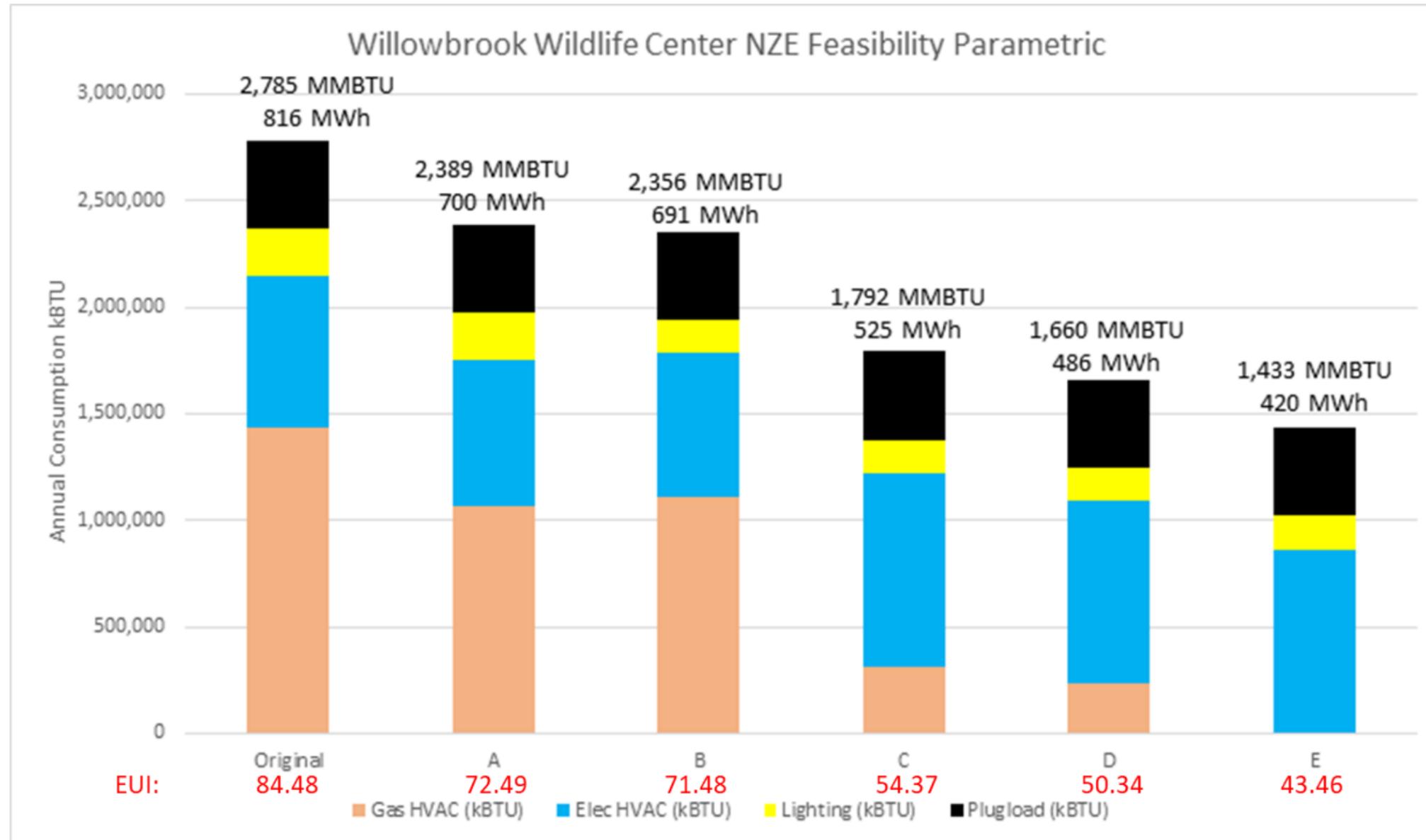
-EXTRACTION AND PROCESSING OF RAW MATERIALS AND PACKAGING USED TO PRODUCE MATERIAL

2 TRANSPORTATION

-TRANSPORT OF RAW MATERIALS AND PACKAGING FROM SOURCE TO PRODUCTION SITE

3 MANUFACTURING

-CONSUMPTION OF ENERGY AND WATER REQUIRED TO PRODUCE
-EMISSIONS AND WASTES GENERATED FROM PRODUCING FINAL PRODUCT



Original	ASHRAE 90.1-2016 building with 0.02 cfm/sqft-fac
A	0.05 cfm/sqft-fac infiltration (passive house required infiltration)
B	0.05 cfm/sqft-fac infiltration + 70% Code Lighting
C	0.05 cfm/sqft-fac infiltration + 70% Code Lighting + WSHP
D	0.05 cfm/sqft-fac infiltration + 70% Code Lighting + WSHP + Premium Envelope
E	0.05 cfm/sqft-fac infiltration + 70% Code Lighting + WSHP + Premium Envelope + Geo thermal (very rough)
*WSHP: 95% condensing boiler, Fluid cooler, default factor for Heat Transfer Loop, Htg COP: 4.2; Clg COP: 3.5.	
**Prem Envelope: R-40 Wall, R-60 Roof, U-0.18/SHGC-0.239 Glazing	

HelioScope Annual Production Report *produced by Remzi Tandag*

🔧 Report	
Project Name	Willowbrook Wildlife Center
Project Address	525 S Park Blvd, Glen Ellyn, IL 60137
Prepared By	Remzi Tandag rtandag@wightco.com

📊 System Metrics	
Design	New Design-20200622
Module DC Nameplate	301.2 kW
Inverter AC Nameplate	264.7 kW Load Ratio: 1.14
Annual Production	326.2 MWh
Performance Ratio	75.2%
kWh/kWp	1,082.9
Weather Dataset	TMY, CHICAGO OHARE INTL AP, NSRDB (tmy3, I)
Simulator Version	8ab6c1dc12-d6b09898f2-d64b51de0f-2475be9f8d



Existing PV = 81 MWh

APPENDIX
SUSTAINABILITY ANALYSIS - SOLAR PANEL

