

<b>A. Section to be completed by Commission District</b>		
1.	Commission District(s) represented in this request:	2
2.	ARP Funding Allocation (include amount to be allocated by each district):	\$50,000
3.	Proposed Services:	Stormwater Management project (dredging) at Clyde Shepherd Nature Preserve
4.	Proposed Vendor:	South Peachtree Creek Nature Preserves, Inc.
5.	Vendor Contact Info:	Name of Main POC: Chris Beck Title: Board Chair Address: 2240 Vistamont Drive Decatur, GA 30033 Phone Number: (678) 612-9014 Email Address: <a href="mailto:chrisbeck020508@gmail.com">chrisbeck020508@gmail.com</a>
6.	Contract Start Date:	May 2024
7.	Contract End Date:	September 2026
8.	Scope of Work:	See attached
	BOC Approval (if already approved):	Attach Agenda Item or provide... Approval Date: Agenda Item Number:  *Walk-On/Substitute Agenda Items must be attached.
<b>B. Section to be completed by Working Group</b>		
1.	Date of Receipt of all necessary items to start process:	
2.	Dates of Approval:	
a.	CPO	
	Enter Approved Procurement Method:	
b.	BOC (if not approved prior to receipt of request)	
	Enter Agenda Item number:	
c.	Grants (SOW & Risk Assessment)	
	Attach Approved Risk Assessment:	
d.	Law (Contract Draft)	
	Approved Template:	
	List of Additional Forms to be completed by vendor (attached as applicable):	
3.	Receipt of Fully-Executed Contract:	

## Scope of work for stormwater improvements at Clyde Shepherd Nature Preserve

### **INTRODUCTION**

The “beaver” pond at the Clyde Shepherd Nature Preserve plays an important role in mitigating the impacts of stormwater runoff into South Peachtree Creek by retaining stormwater. However, because the depth of the pond is limited, the capacity of the pond to retain stormwater is limited. The proposed project would increase the capacity of the pond to retain stormwater by dredging the pond and removing the sediment from the site.

### **BACKGROUND**

Clyde Shepherd Nature Preserve is a 28-acre privately owned property at 2580 Pine Bluff Road, Decatur Georgia 30033. The parcel ID number is 18-101-02-001. Plant Improvement Company Inc. owns the parcel and it is undeveloped.

In the early 1990s, Plant Improvement Company partially cleared the property, excavated a detention area covering approximately 5 acres and installed a culvert to drain the site to South Peachtree Creek, which forms the northern boundary for the property. After beavers dammed the culvert, wetland conditions formed in the basin, which is now home to fish, frogs, waterfowl and other wildlife. In 1995, South Peachtree Creek Nature Preserves, Inc., a 501C-3 non-profit organization, signed a lease with the owners through DeKalb County to manage the site as a nature preserve for the benefit of wildlife and the community. Known as South Peachtree Creek Nature Preserve at the time, it was later renamed in honor of Clyde Shepherd, the company founder. For over 28 years, the preserve has been enjoyed by neighbors and the wider community.

Over time, the pond basin, which dries out most summers, sometimes for over 6 months, has collected sediment from overflow of the creek during flood events and the storage capacity for stormwater has decreased. The intent of the work is to remove some of this sediment and return (or increase) the original stormwater capacity of the basin.

### **SCOPE OF WORK**

Proposed timeline: Dredging of the pond requires it to be dry. Typically, the pond is dry between June and September, but this depends on spring and summer rainfall. Permitting will be completed by October 2024. Weather-permitting, dredging and sediment removal will be completed by September 2025. If the pond does not dry sufficiently during the summer of 2025, dredging and sediment removal will take place between June and September 2026.

Permit preparation: A permit may be required for the work as regulated by Section 404 of the Federal Clean Water Act and administered by the U.S. Army Corps of Engineers (USACE) along with the local jurisdiction and state. Applicable permits will be acquired through DeKalb County Planning and Development by CSNP along with the contractor, Integrated Land Design, Inc. It is our hope that this project will be viewed as maintenance of a permitted stormwater mitigation project rather than as a new project. Wetland impacts will be minimal, under the USACE threshold of 1/10 acre of disturbance that requires an individual permit.

The site of the work qualifies as jurisdictional wetlands as defined in the Clean Water Act as follows:

*Non-forested emergent wetlands -- freshwater marshes dominated by a variety of grasses, sedges, rushes, and broadleaved aquatic associated with streams, ponded areas, and tidally-influenced non-saline waters.*

Dredging: Dredging would be completed by Integrated Land Design. Access for equipment is planned along the sewer line easement adjacent to the pond. Approximately 475 cubic yards of sediment could be removed from the pond. The cost for dredging and disposal is estimated at \$35,000 based on a site visit and discussion with the contractor. Two or three sections of the pond will be excavated to depths of 2 to 3 feet and contoured or terraced to allow varying types of vegetation to flourish as the pond refills. This will provide additional habitat for invertebrates that in turn feed ducks, turtles, and fish.

CSNP and Integrated Land Design will investigate reuse of the dredge spoils off site because the material will consist of sand, silt, and organic matter that could be used by gardeners and/or local farmers for topsoil. If successful, this will save disposal costs that will allow for additional excavation and/or native plantings for stabilization and regrowth.

**TABLE 1  
PROJECT COSTS**

<b>TASK</b>	<b>RESPONSIBLE PARTY</b>	<b>ESTIMATED COST</b>
Develop Site Plan	CSNP	\$3,000
Permit application	CSNP/Integrated Land Design	\$12,000
Pond Dredging	Integrated Land Design	\$10,000
Dredge Spoils Disposal	Integrated Land Design	\$25,000
<b>TOTAL</b>		<b>\$50,000</b>