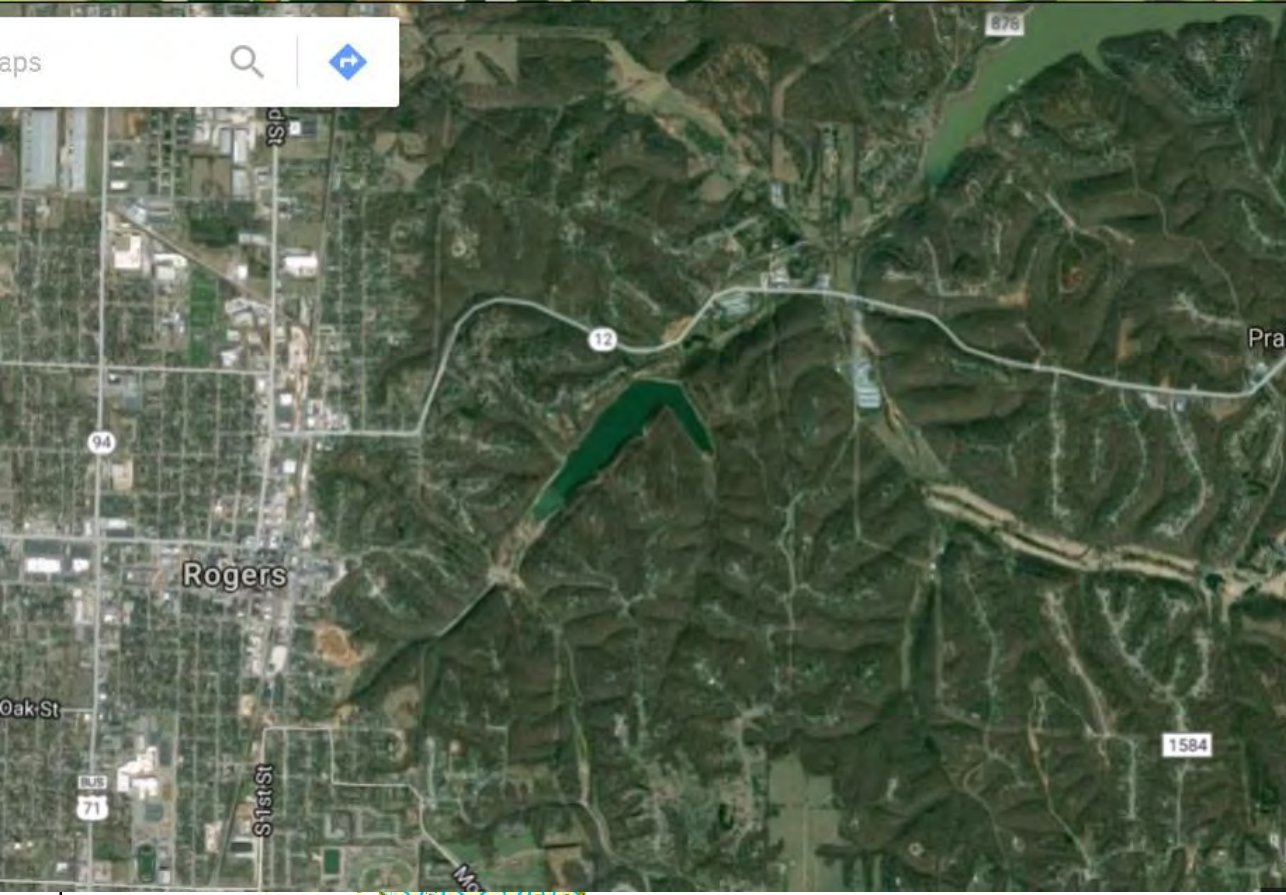


Lake Atalanta Park Restoration and LID Demonstration Project

Gopala Borchelt
Sr. Projects Director




Upper White River Basin



Legend

-  Sample Sites
-  Beaver Watershed
-  James River Watershed
-  Bull Shoals Watershed

50 Miles


CRAWFORD FRANKLIN

Lake Atalanta Park Restoration and LID Demonstration Project



Project purpose:

Reduce the influx of sediment and nutrients into the Prairie Creek tributary of Beaver Lake:

- Install a series of sediment detention weirs on upper Prairie Creek
- Installing two types of pervious pavement systems on parking areas in the Park restoration plan

Kimberling City Center Project

(2011-2014 319 Program, 53/47% fed/private funding)

- Replaced 3-acre old parking lot at KC Center with pervious pavers
- Created 5 larger-to-smaller stormwater retention & filtration basins around the lake.



The Environmental Protection Agency Region 7 through a MO Department of Natural Resources grant to Table Rock Lake Water Quality Inc. provided partial funding for this project under Section 319 of the Clean Water Act.

Lake Atalanta Park Restoration and LID Demonstration Project



Partners and Roles:

City of Rogers Arkansas



University of Arkansas Extension Service

Arkansas Natural Resources Commission



Environmental Protection Agency Region 6

Lake Atalanta Park Restoration and LID Demonstration Project



before





- Water Quality Problem



WELCOME TO
PRAIRIE CREEK MARINA
WE ARE GLAD YOU ARE HERE!

8
DOCK

Lake Atalanta Park Restoration and LID Demonstration Project



PARK OVERVIEW



WATERPLAY AREA



- A CLARK PAVILION
- B WALNUT STREET
- C PRAIRIE CREEK
- D ENTRY PAVILION
- E RESTROOM
- F PLAYSCAPE
- G SERENITY GARDEN
- H WATERPLAY AREA
- I MAIN PARK STAGE



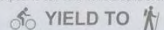
Lake Atalanta Park contains 236 scenic acres of land just east of Downtown Rogers. Visitors can enjoy a 37-acre spring-fed lake, 10 miles of hiking/biking trails, three miles of paved trail, 2000 linear foot of boardwalk along the lake, an eight-acre bike park, dog parks, creeks, playgrounds, pavilions, nature observation areas, and many other amenities.



History
Lake Atalanta was built in 1936 by the Works Progress Administration as a part of FDR's New Deal. The lake is named for Atalanta Gregory, the wife of O.L. Gregory, who donated most of the land that now forms it.

Environment
Lake Atalanta Park contains around 220 feet of topographic relief, with elevations ranging from roughly 1370 feet (East Cherry Street) to roughly 1160 feet (below Lake Atalanta dam). The geology of the property is comprised primarily of the Mississippian-aged Boone Formation (alternating beds of limestone and chert), with small areas of Quaternary alluvium deposited along the larger streams. A total of 608 plant species and over 200 bird species have been documented in the park.

Soft Surface Trail Etiquette
Don't use wet trails - If you are leaving prints (tire or boot), the trail is too wet to use. When approaching muddy spots, go through the center of the mud to keep the trail narrow.
Stay on the trail - Do not go off trails, create new trails, or cut switchbacks. Narrow trails mean less environmental impact and happier plant and animal life.
Don't block trail - Move to the side of the trail when taking a break.
Respect - Show respect to all user groups and to the environment around you. Pick up your trash and pet waste.
Be Friendly - Every user on the trail is there to enjoy the outdoors. Be friendly and expect to see other folks around every corner.



Soft Surface Trail Rating System

EASIEST	EASY	MORE DIFFICULT	VERY DIFFICULT	EXTREMELY DIFFICULT
WHITE CIRCLE	GREEN CIRCLE	BLUE SQUARE	BLACK DIAMOND	DBL BLACK DIAMOND



Atalanta
Lake

Lake Atalanta Park Restoration and LID Demonstration Project



PICP- Pervious Interlocking Concrete Pavers:















Kimberling Center Project



Kimberling Center Project



Kimberling Center Project



Kimberling Center Project



Kimberling Center Project



Kimberling Center Project



Kimberling Center Project



Lake Atalanta Park Restoration and LID Demonstration Project



Gravel Pave:











CROSSLAND



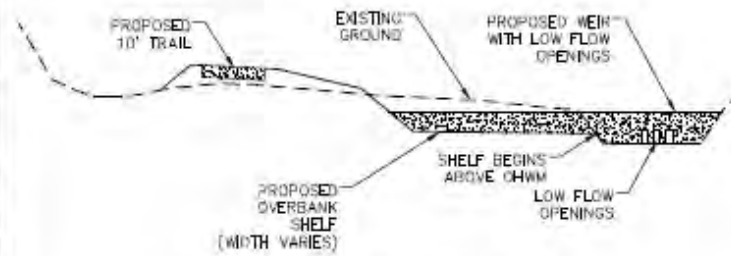
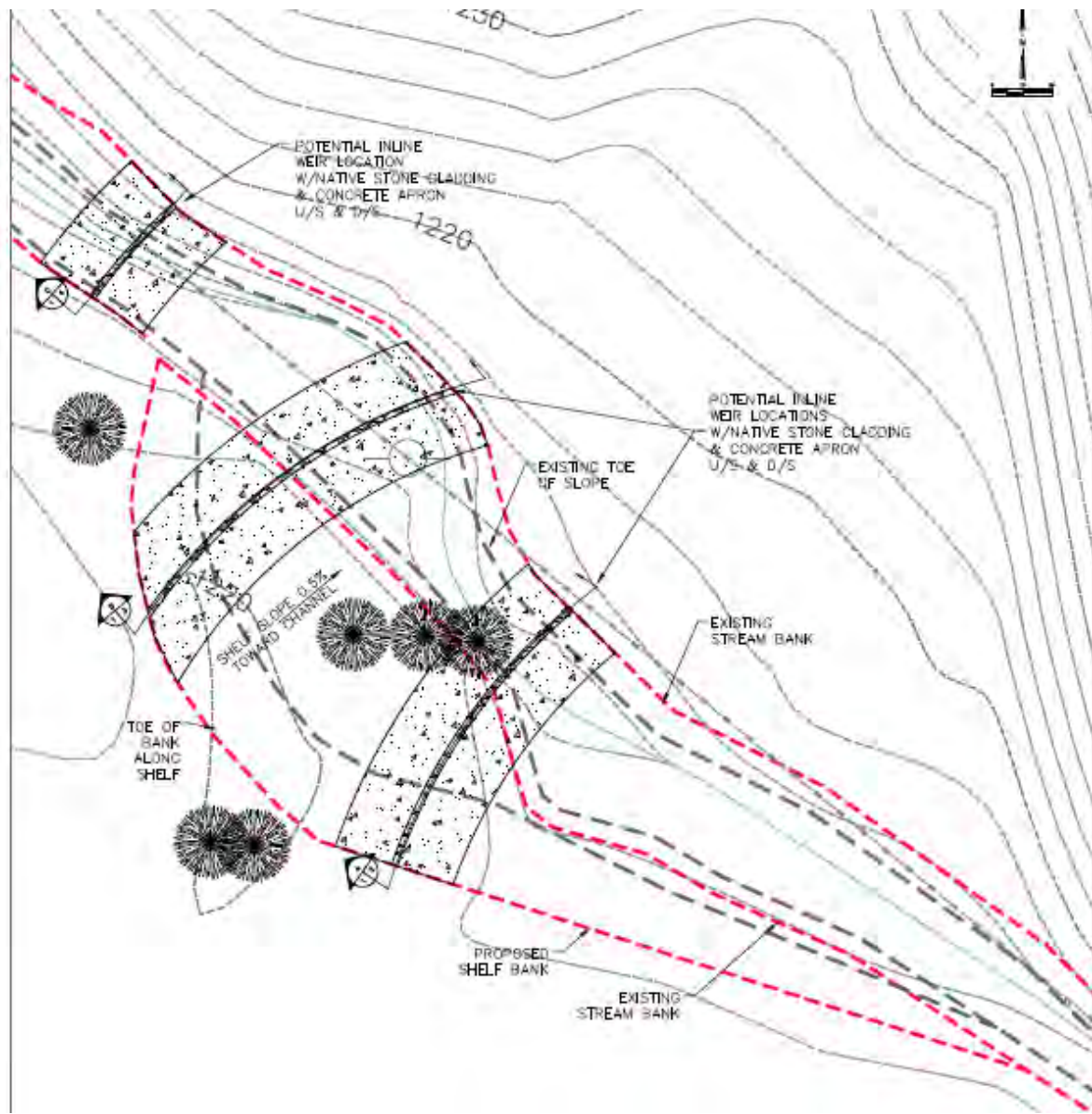


Lake Atalanta Park Restoration and LID Demonstration Project



Sediment Detention Weirs:





SEDIMENTATION WEIR

X
 X
 X
 X
 TYPICAL SECTION
 N.T.S.







Lake Atalanta Park Restoration and LID Demonstration Project



2,250 sf pervious pavement
149 linear feet of detention weir structure

Gopala Borchelt

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