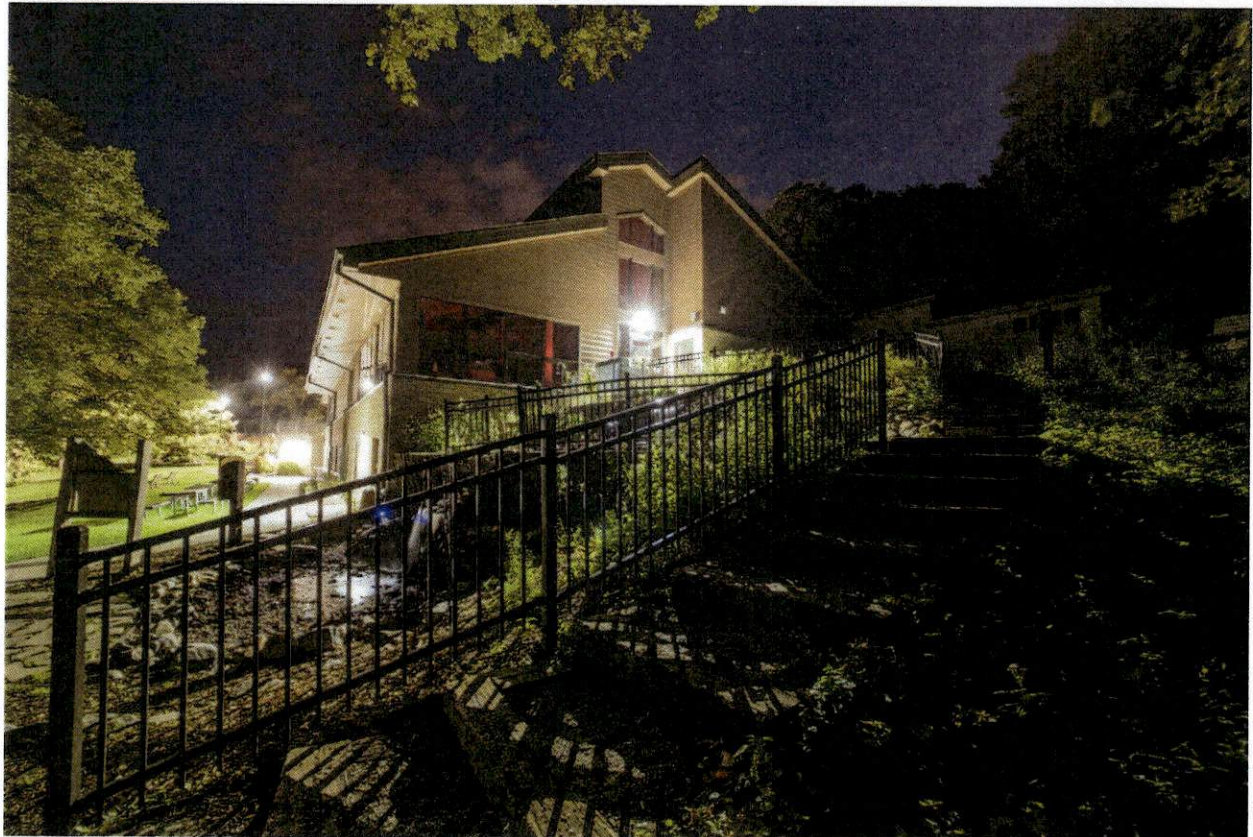


5-12-26. 10.9

Dorothy Pecaut Nature Center

CIP Request

Observation Deck



CIP – NEW PROJECT REQUEST FORM

Project Name: Observation Deck – Concrete Replacement

Project Number: _(Finance will provide number)

Project Manager: Dan Heisse

Department/Division: Conservation

	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Total</u>
<u>Revenues</u>						
						\$0
Total Revenues						\$0

Expenditures

Remove concrete on deck and replace, remove bridge to deck and replace with dirt and culvert with sidewalk that is Handicap Accessible.

Total Expenditures \$15,000

Comments:

Remove concrete on observation deck leaving the perimeter intact with railing. Jack hammer and load old concrete and load into truck provided. Grade and pour back a 6" slab with broom finish and 24" fiberglass rebar mat. Remove bridge to deck and assist in replacing with culvert provided by owner, form and pour 6" x 8' sidewalk connecting parking lot to deck approximately 24' in length. Previous administration had cut and ground this deck down and poured a thin layer of colored and stamped concrete. This is heaving and busting up and we have had it repaired 2 to 3 times and we continue to have the problem. This becomes a tripping liability and a slipping issue. By cutting out and replacing we will get rid of ramp as well which allows us to install a handicap accessible sidewalk to connect to lower sidewalk. Mark and Dave have seen this issue.

Nature Center

Observation Deck CIP Request

Backup Information

This CIP request is for the Observation deck concrete that is failing. This was a decorative concrete coating put on years ago that is heaving and breaking out due to freezing and frost action. Moisture gets in and under cracks and pops the coating up. We have had contractors come and cut out sections and repair, (See Photos) and as you can see the problem continues. This creates a tripping and slipping hazard as this stuff breaks up and comes out. This is a liability for the county and does not look good to the general public.

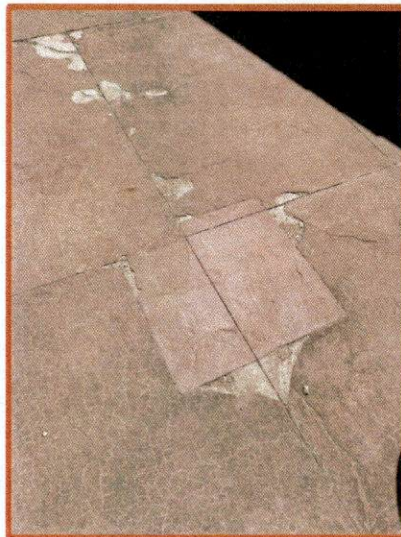
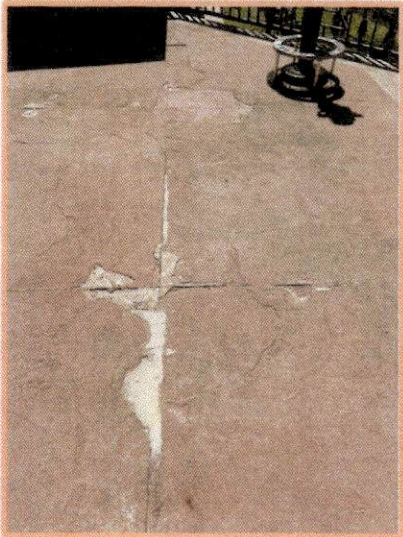
The fix is to cut along the border leaving the outside concrete, bust out all the old in the middle and re-pour just concrete to match the border. While we do that, we want to remove the bridge approach to the Nature Center as it is failing underneath, replace it with a culvert and bring in soil and put a regular sidewalk up to Nature Center. This bridge is icy in the winter and hard to keep snow and ice off, thus another liability. We will then landscape so that we can install a handicap sidewalk to the lower sidewalk. This will allow people to access the playscape and the lower sidewalk. This is all included in the request and we do have a quote from contractor solidifying those numbers.

I feel this is important to address from the liability standpoint as well as how it looks to the public. We have over 25,000 visitors a year go through the Nature Center. This is not a good look being the first thing they see as they enter the Nature Center.

I will be there and available on Tuesday when you discuss projects if you have any further questions. I will bring hard copies of this document as well for us to reference.

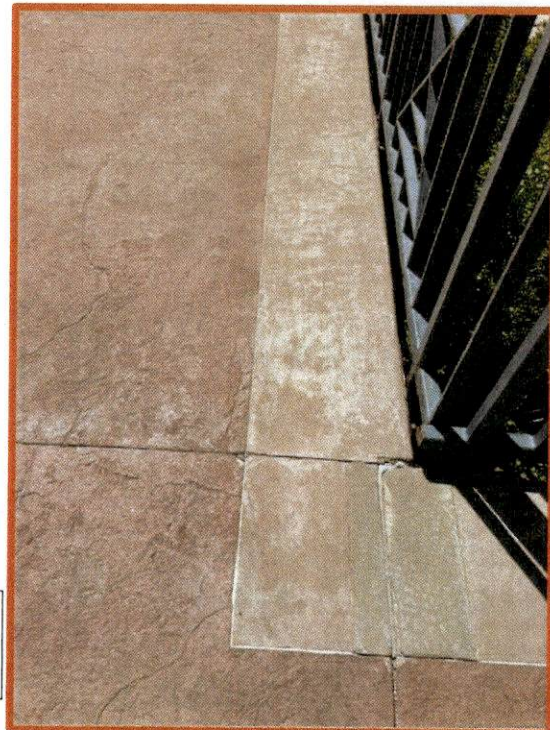


Observation deck as you enter the entrance to the Nature Center. Cement coating is sprawling and cracking and breaking out. We have tried to have it repaired and it continues and is getting worse. Becomes an eyesore as well as a tripping or slipping hazard.



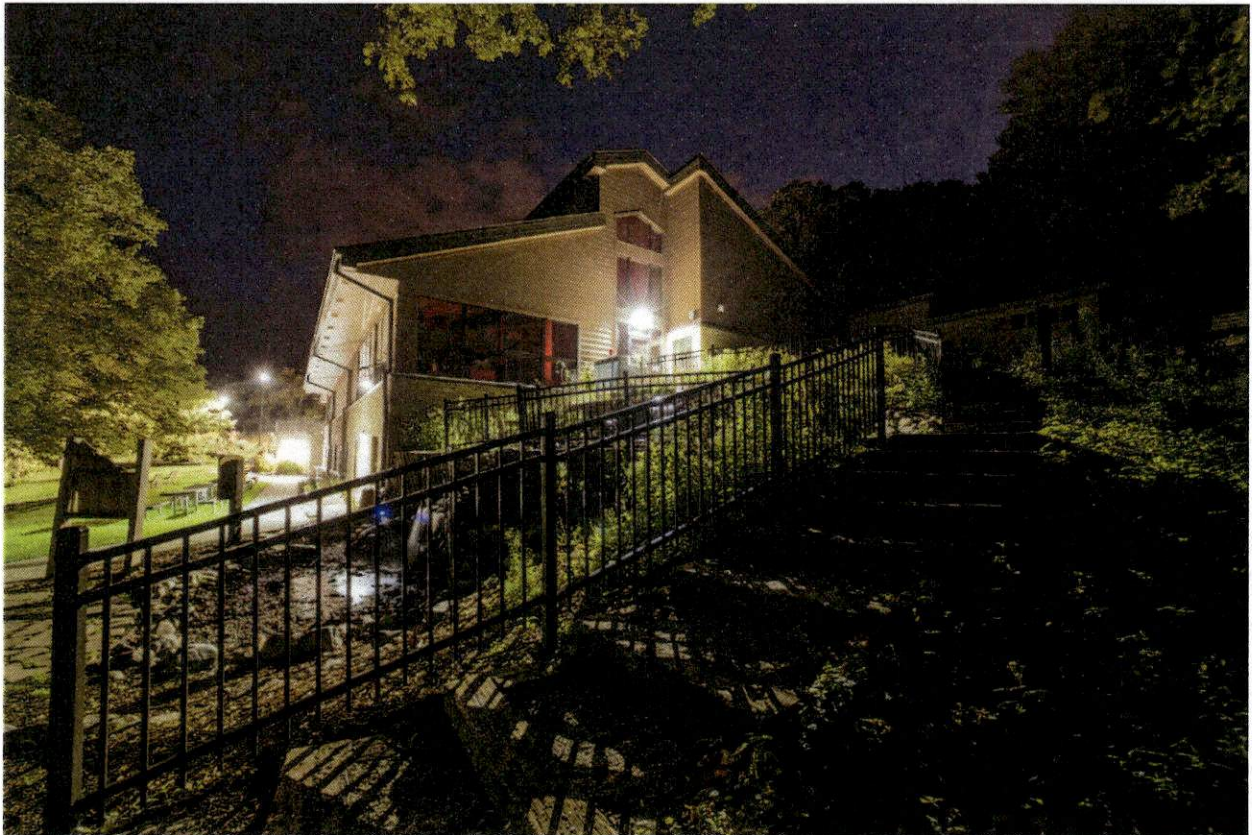


Above is the top of the ramp and entrance to Nature Center and deck.



Edge where we would saw along so we could bust out red colored concrete.

Dorothy Pecaut Nature Center
CIP Request
Retaining Wall, Garden Area



CIP – NEW PROJECT REQUEST FORM

Project Name: Retaining Wall Replacement at Nature Center

Project Number: _(Finance will provide number)_____

Project Manager: Dan Heissel

Department/Division: Conservation

	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Total</u>
<u>Revenues</u>						
_____	_____	_____	_____	_____	_____	\$0
_____	_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	_____	
Total Revenues	_____	_____	_____	_____	_____	\$0

Expenditures

94 feet of 10 inch thick stone faced concrete wall with 12 foot returns for stability with 24 inch by 12 inch footing underneath
\$42,824.00 _____

Total Expenditures _____ \$42,800.00

Comments:

The brick retaining walls for the gardens are collapsing and starting to lean and are ready to fall over at the Nature center and are not safe. The plan is to tie into the poured wall near the shelter area and stair step the wall down replacing the existing block walls with a poured wall using stone faced forms for looks. This project will include the following work; Extend existing 9' wall 36' with 12' returns for stability of ground and wall. Skipp stairway and then do a 32' x5' wall and a 26'x5' wall making the terrace for the flower garden up to the parking lot, all having 12' returns for stability of wall and ground. Estimated 3 returns for each section of wall. Walls will have 10" thickness with stone faced forms to match existing wall. There will be a 24" x 12" footing underneath wall with 2 runs of horizontal rebar. I have gotten a bid on this project so I know this is an accurate number. This will be done the same way we did for the retaining wall for the shelter and it has worked great. Mark and Dave have seen this issue.

Nature Center

Garden Retaining Wall CIP Request

Backup Information

This CIP request is for the retaining walls and steps at the gardens up front by the Nature Center as you enter. This is a 3-tier garden with steps going down the middle with gardens on both sides featuring native grasses and forbs. These walls are failing by starting to fall over by leaning, (see Photos). This is happening along the whole length and on the corners of stairs. Kids and adults alike walk up and down these stairs and, on the walls, and I am afraid sometime the wall will collapse, and someone will be hurt, thus a liability for us.

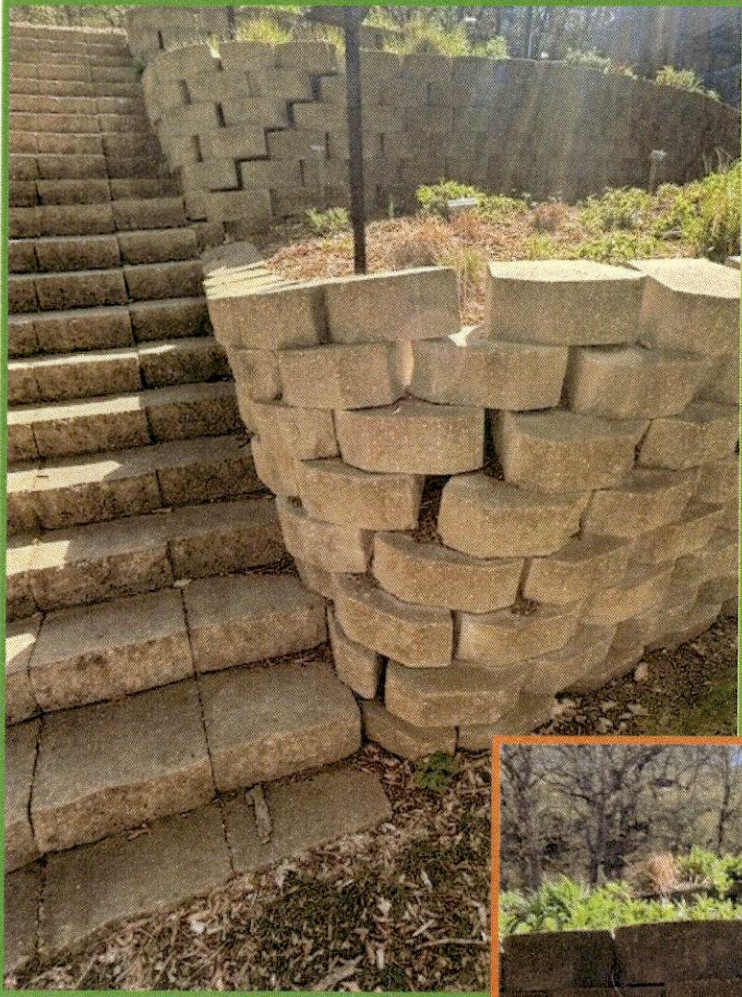
Plans are to make a poured wall like the one we did for the shelter area. (See Photos) We would tie into this wall and stair step it down as we go tying into the landscape as we go. They would pour tie in walls that go back into the side hill so that walls will not move or lean. Prior to this project starting, staff and the garden club would remove plants to a temporary garden while construction takes place. Landscaping stones would be removed by staff and repurposed in the parks. The contractor that poured our original wall for the shelter gave us the quote for this project as well. Plants would then be moved back from their temporary gardens and into the new area.

I feel this is important to address from the liability standpoint as well as how it looks to the public. We have over 25,000 visitors a year go through the Nature Center.

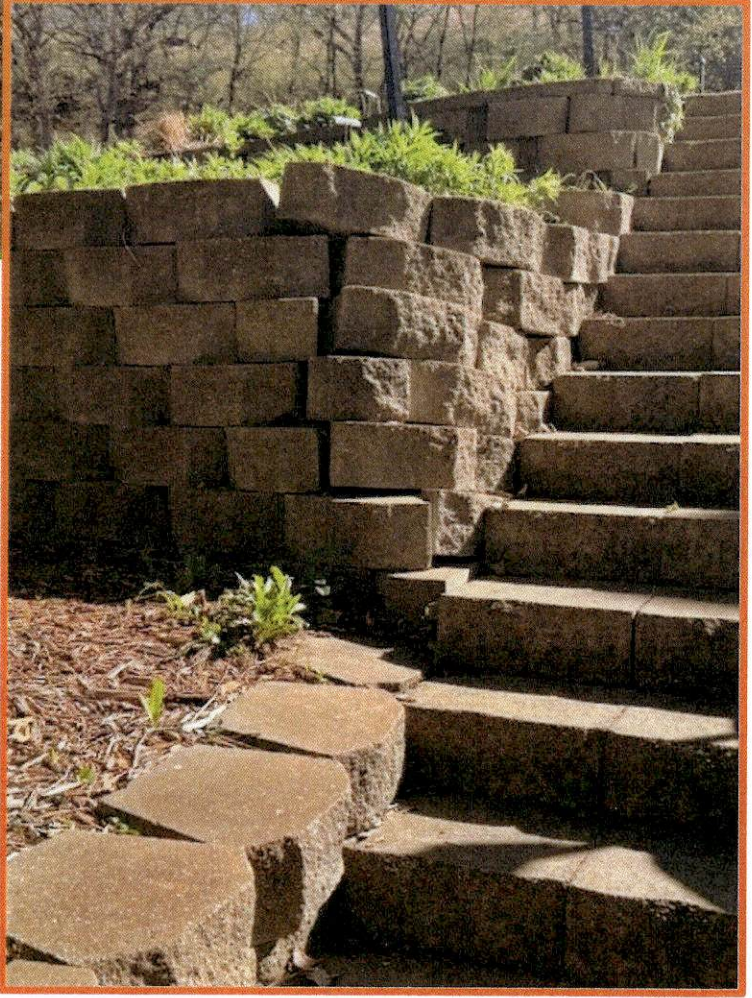
I will be there and available on Tuesday when you discuss projects if you have any further questions. I will bring hard copies of this document as well for us to reference.

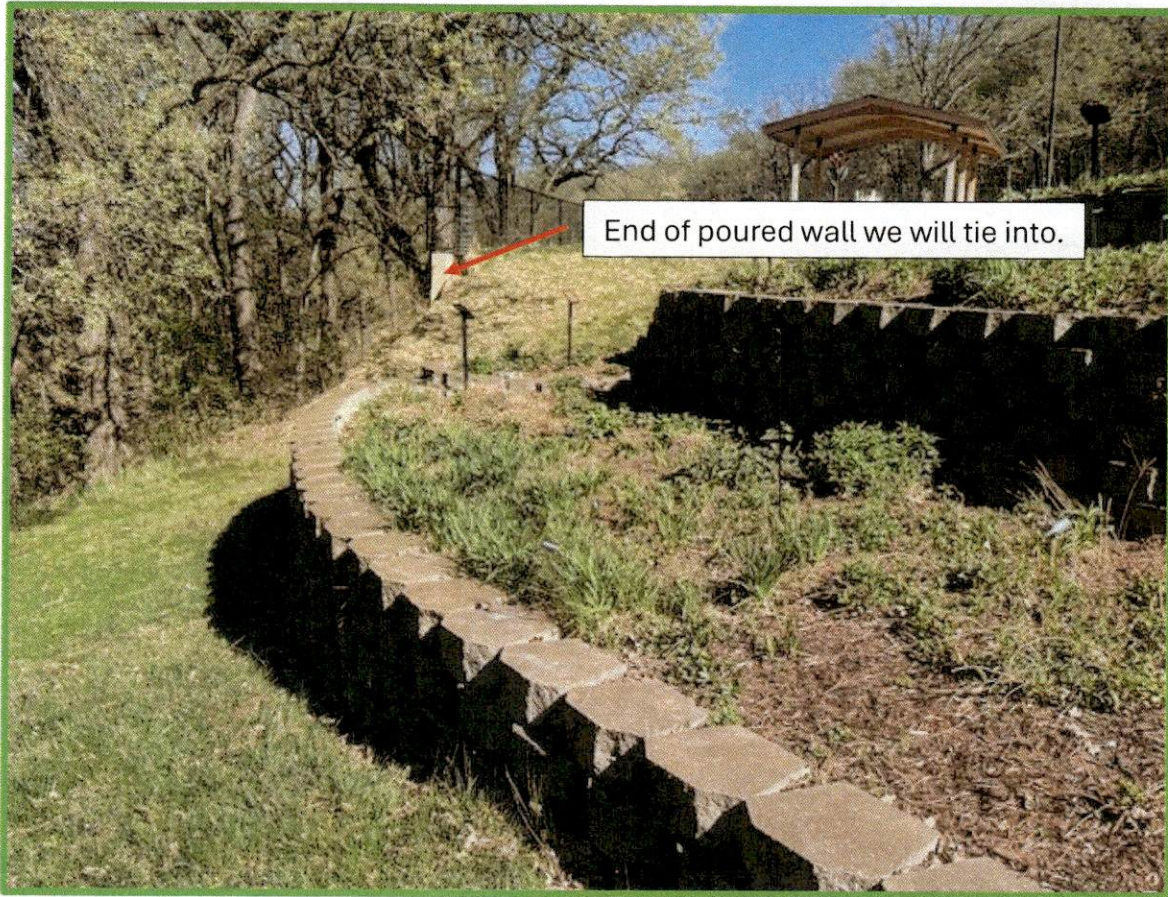


Garden retaining walls are shifting and leaning becoming a liability as well as an eyesore.

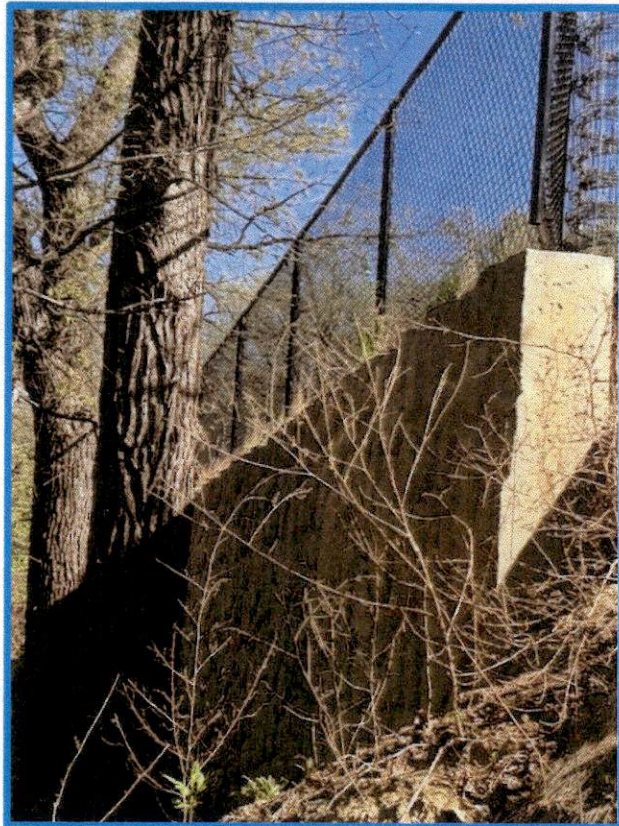


Corners of retaining walls blowing out on both sides of steps. Liability, especially if kids are climbing on which they do.

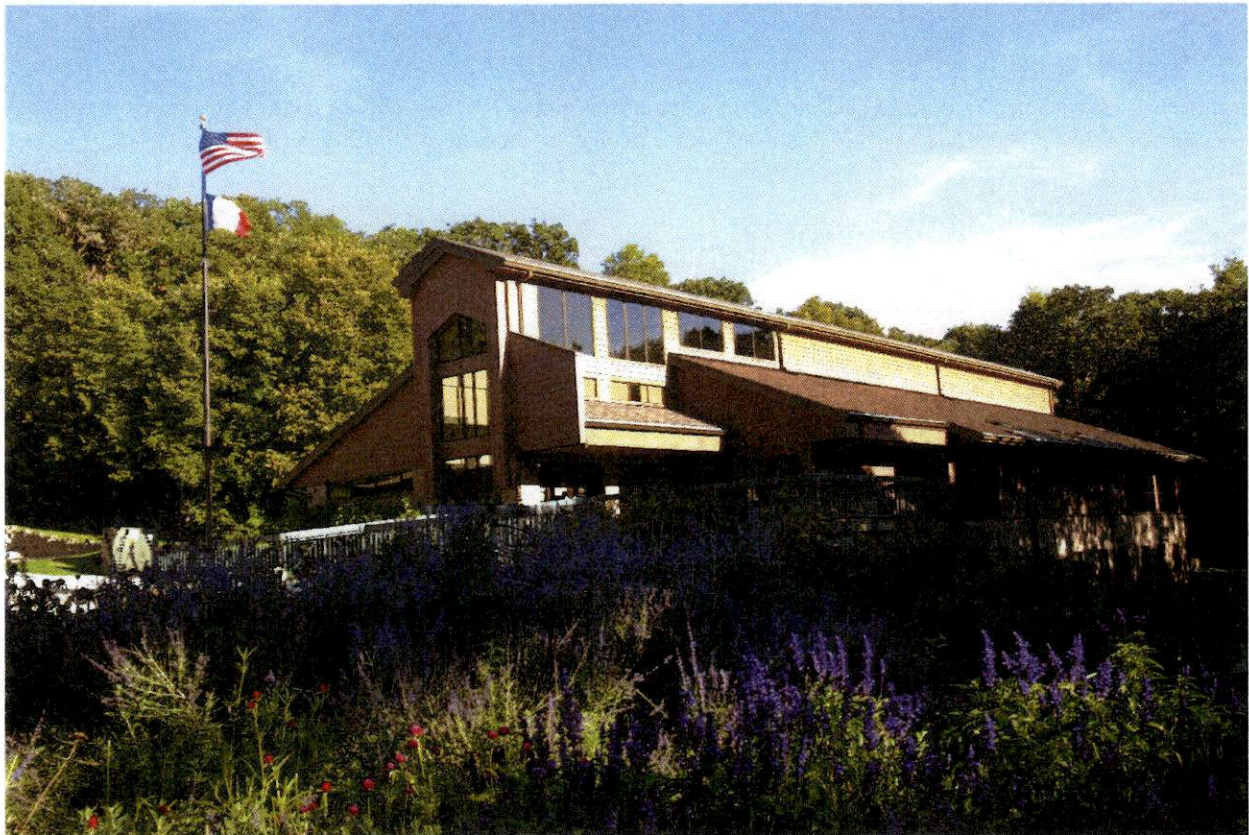




Plans are to tie into the existing poured wall with boulder face and stair step it down as we wrap around into hillside. Wall will be tied back into hillside so it doesn't move as the original wall was when poured.



Dorothy Pecaut Nature Center
CIP Request
Waterfall Retaining Wall, Sidewalk, Steps & Railings



CIP – NEW PROJECT REQUEST FORM

Project Name: Water fall Retaining wall, sidewalk, steps and railings replacement

Project Number: (Finance will provide number) _____

Project Manager: Dan Heissel

Department/Division: Conservation

	<u>Year 1</u>	<u>Year 2</u>	<u>Year 3</u>	<u>Year 4</u>	<u>Year 5</u>	<u>Total</u>
<u>Revenues</u>						
_____	_____	_____	_____	_____	_____	0
_____	_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	_____	
Total Revenues	_____	_____	_____	_____	_____	0

Expenditures

Remove two retaining walls, steps, sidewalk, handrail, hardscape and railroad tie steps and build two new keystone block retaining walls. Geo grid will be placed as this is being built back up to keep this from happening again \$101,475

_____	_____	_____	_____	_____	_____	
_____	_____	_____	_____	_____	_____	
Total Expenditures	_____	_____	_____	_____	_____	<u>\$101,475.00</u>

Comments:

I have an updated bid on this project where I got this pricing from, so it is current. Mark and Dave have seen this project and how bad it looks and the fact it is not getting any better. This needs to be replaced to remove liability along with how bad it looks for the county. This has become a liability as well as an eyesore and needs to be taken care of ASAP. This area needs to be excavated and built back up with GEO Grid to keep it from happening again. This is highly visible and part of the nature Centers viewing area and it looks terrible. We have had architects and Civil engineers look at this and have a good game plan on how to fix and make useable again.

Nature Center

Retaining Wall, Water Feature CIP Request

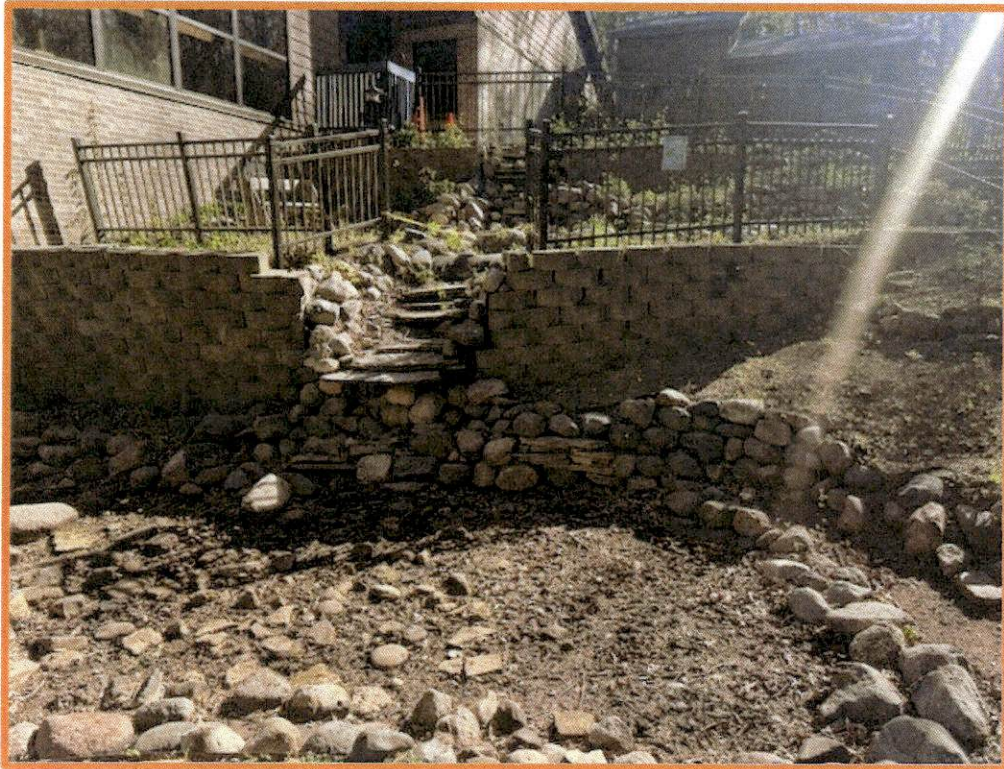
Backup Information

This CIP request is for the retaining walls at the Nature Center that have the water feature in them. See attached photos. The problem is that they are shifting and starting to lean badly as the soil is shifting and moving away from the building. (See Photos) This is evident by the pictures showing how the sidewalk has moved over 3 inches from the building. (See Photos) These railings are moving and leaning badly and have become a liability and are an eyesore.

The contractor has quoted that the only way to fix this is this to remove the walls and soils and start building it back up using geo grid in the process. They would use geo grid all the way up and build two walls and make two levels that will be useable by the public. Bench area and maybe a picnic table area. The water feature would be moved over and down to the lower level along the sidewalk and not be incorporated into the walls as it is now, thus removing any potential problems in the future. Moving water attracts birds to the feeders and amazingly cricket frogs that seem to sing a chorus all day long and are enjoyed by our Nature Center users.

I feel this is important to address from the liability standpoint as well as how it looks to the public. We have over 25,000 visitors a year go through the Nature Center.

I will be there and available on Tuesday when you discuss projects if you have any further questions. I will bring hard copies of this document as well for us to reference.



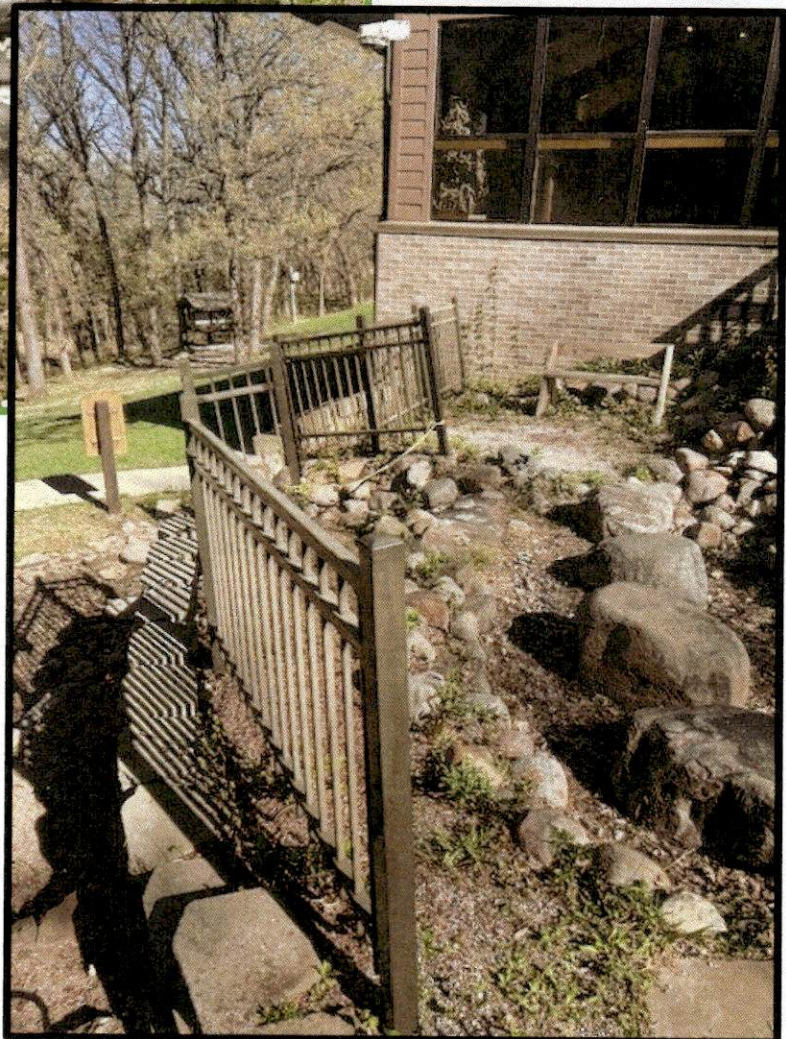
Bottom railing of water feature leaning due to soil shifting, this is not safe and is a liability.

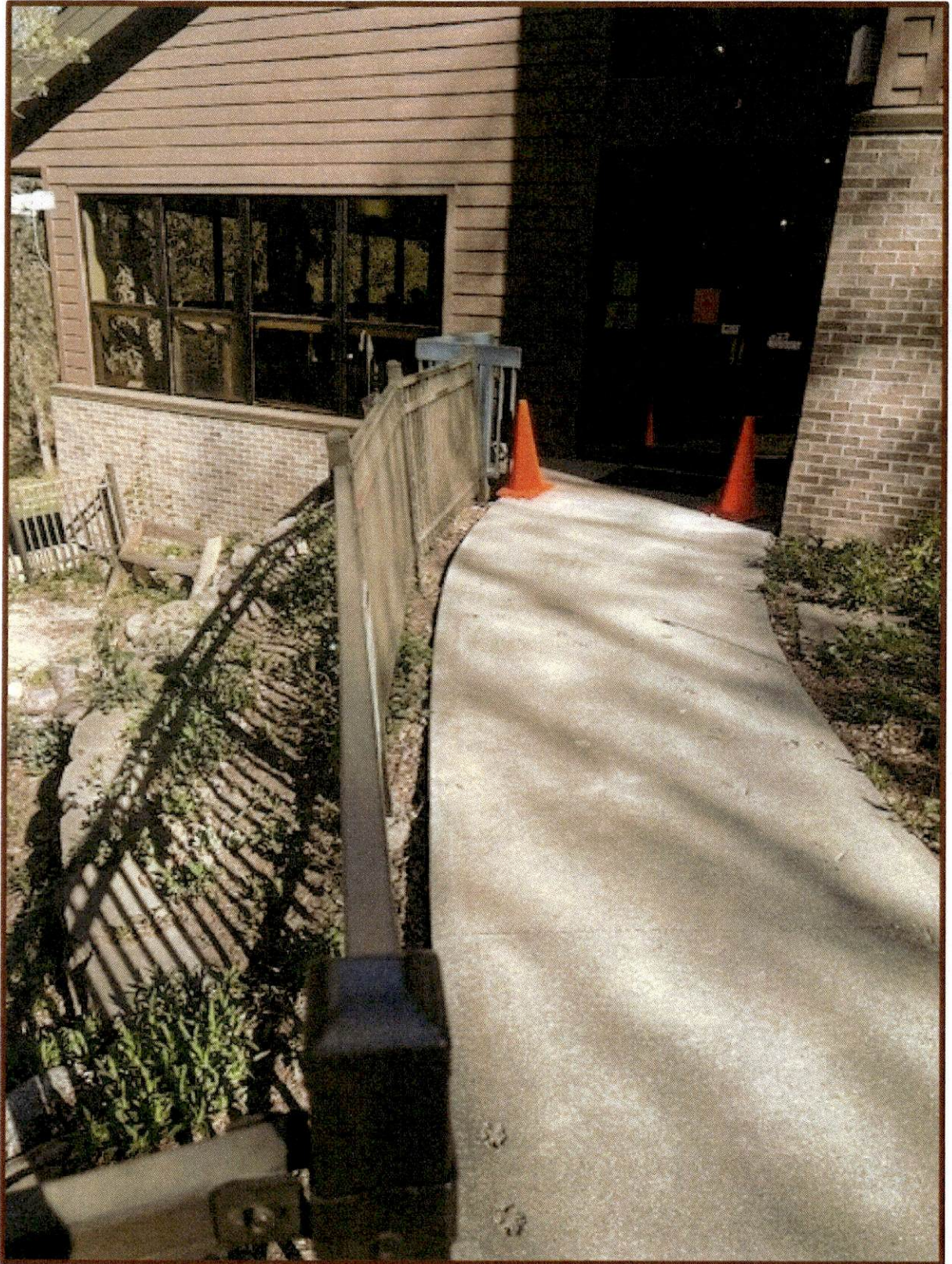


Sidewalk shifting away from building with side hill. Stoop behind it is pinned to building and has footing so reason it is not shifting with sidewalk. This is about a 3 inch separation right now and gets worse each year.

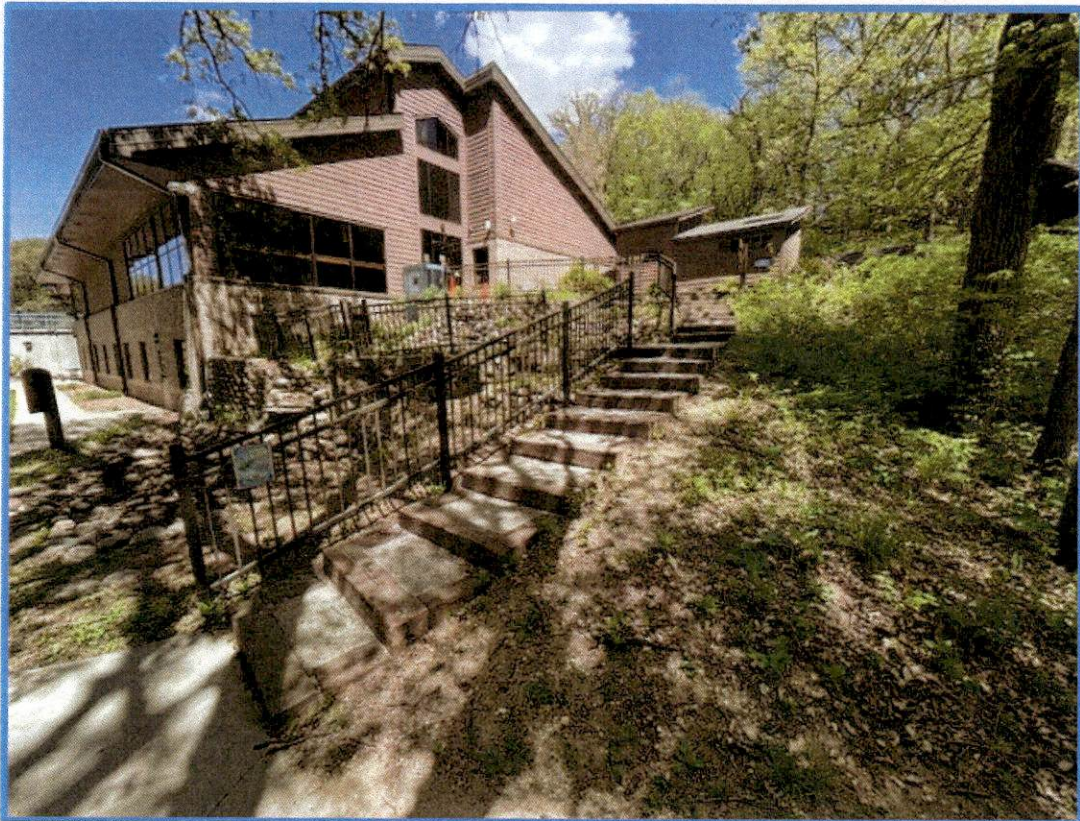
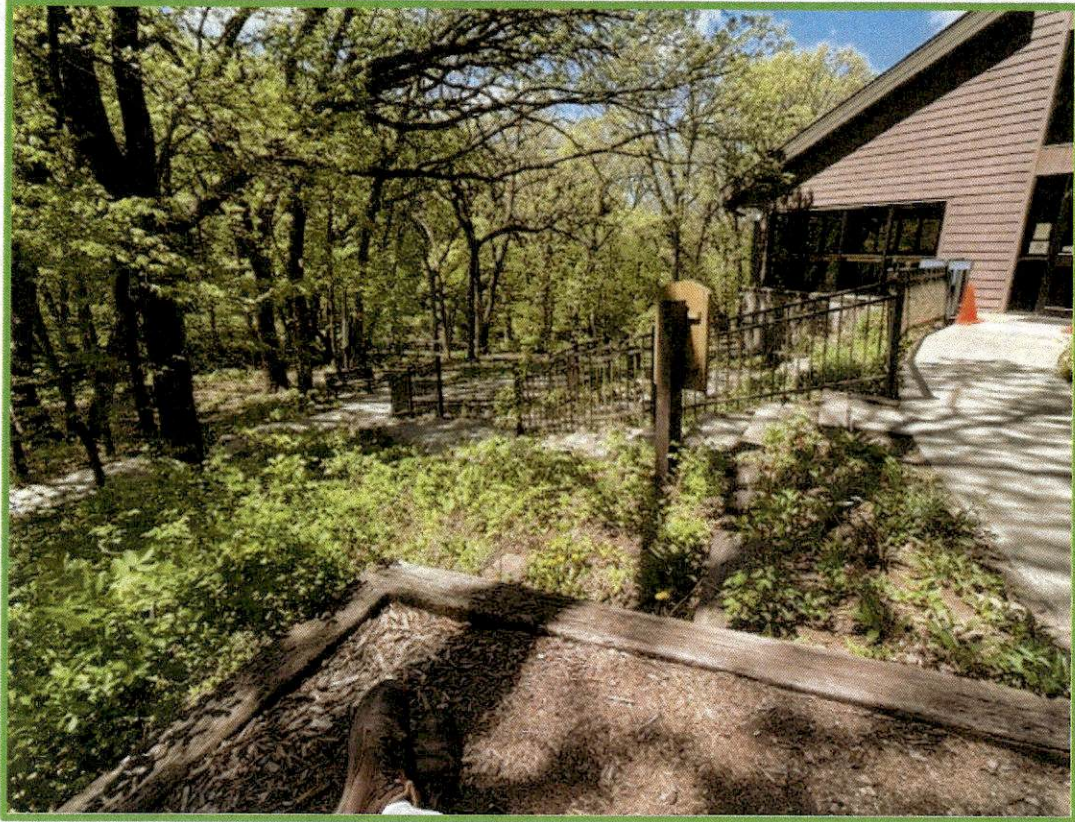


Lower level railing on water feature that are leaning due to shifting soils, this is a liability for us and is an eyesore.





Upper rail of water feature near rear exit of Nature Center leaning due to shifting soils. This is a liability and is getting worse. Area between orange cones is sidewalk that keeps shifting and raising and we break out and fill as it becomes a tripping hazard.



Overall view of the water feature area from above and below.