

THE HOWARD COUNTY DEPARTMENT OF EDUCATION
10910 Route 108, Ellicott City, Maryland 21042
(410) 313 6600

IMPROVEMENTS TO SCHOOL SITES OR SCHOOL FACILITIES

PROPOSAL

Date: 12/4/18

To: Director of School Facilities

From:

Lon Griffiths
(Name)

4300 Centennial Lane
(Address)

410-313-2856
(Telephone)

Representing: Green Club
(Name of organization if appropriate)

I/we submit for your consideration and advancement if appropriate a proposal affecting the

Centennial High School
(Name of site or facility)

This proposal may be described as follows:

see attached

1. What is the intent of the proposal?
2. What form will it take (attach sketch/drawings or detailed plan) ?
3. What precautions will ensure health and safety?
4. What security is provided against vandalism and unauthorized use or occupancy?
5. How will the improvement relate practically and aesthetically to existing structures and landscaping?

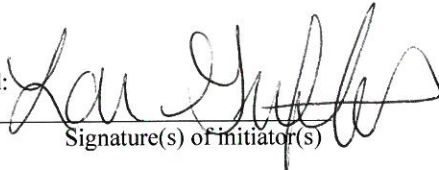
6. Estimate probable costs both initial and operating, together with source(s) of funding.

7. How much labor will be required and who will provide it?

8. What amount of time will be needed to do the job?

In submitting this proposal, I/we know and understand the policy of the Howard County Board of Education entitled "Improvements to school Sites or School Facilities" and will support its implementation relative to this project should my/our request be approved.

Submitted:



Signature(s) of initiator(s)

ACTION RECORD

1. Proposal received on _____ by _____.
(Date) (Name)

2. Evaluation of proposal completed _____, by (check as appropriate):

Director, School Facilities _____ (date)

Manager, Safety, Environment
and Risk Management _____ (date)

Chief Operating Officer _____ (date)

Project approved _____ not approved _____

Conditions (if any):

3. Project schedule:

Begun: _____

Completed: _____

Notes (if any): _____

What is the intent of the proposal?

The objective is to build a conservation landscape on Centennial High School property as a pilot project in order to create a plan of what plants will grow efficiently on what soil in the area, how much sunlight is needed to benefit specific plants, the best course of action for maintenance, how the plants fare in the winter, and other environments the Centennial team might test in. After testing different ideas in how the conservation landscape in the environment of Howard County fares, the team will have a better idea for how other schools should implement the bio-retention practice without going through our fails. The team will be able to create a more solid, fool-proof plan for a more advanced practice as well as a more sophisticated plan that's easy to follow for other schools to implement.

What form will it take? (attach detailed plan, sketch, or drawing)

The practice is 520sq ft. It will be divided in to 6-10 columns, depending on the availability of native plants in the area. Volunteers will be testing which plants fare the best in the environment according to sun, soil, weather, and other factors. Signage will surround the area that advocates for a cleaner Chesapeake Bay, as well as provide quick facts for passersby about the importance of maintaining a clean watershed.

What precautions will ensure health and safety?

Fertilizers and pesticides won't be used in the growth of the conservation landscape. When building the practice, the necessary safety precautions will be taken for volunteers such as safety goggles, gloves, proper clothing, and well-maintained tools.

What security is provided against vandalism and unauthorized use or occupancy?

The conservation landscape will be bordered by mulch. There will be signage that designates the use of the garden and its purpose. Along with signage that advocates for a cleaner Chesapeake Bay, and therefore our environment, there will also be notices of the repercussions of vandalism of school property. There are also cameras in the area of the landscape, and notifying those who walk through the area of this will dissuade them from unauthorized use of the bio-retention practice.

How will the improvement relate practically and aesthetically to existing structures and landscaping?

The objective of the conservation landscape is to decrease the amount of pollution in rainwater that flows into the streams that lead to the Chesapeake Bay. The conservation landscape will be placed in a strategic location to collect rain water and filter pollutants such as nitrites and nitrates. Planting the landscape with native plants will also allow further aid for the health of the ecosystem and the environment by cutting down the encroachment of invasive species and providing more habitats for the indigenous wildlife. Along will helping the ecosystem, the colorful flowers and plants that bloom in the spring will provide a more refreshing environment for the teachers as

they drive in and out of the parking lot because the practice will be located on the side of the road that lead to the teacher's parking lot. It will also invite them to encourage students to check out the conservation landscape and read the signage that will be surrounding the area and gain more information and understanding about the importance of the Chesapeake watershed.

Estimate the probable costs both initial and operating together with sources of funding.

2000\$

How much labor will be required and who will provide it?

The labor needed for the project will be volunteers. The planning, construction, and planting of the conservation landscape will approximately take 2 weeks. If using a company for building the garden, it would take about one weekend or 2-3 business days.

What amount of time will be needed to do the job?

Currently, the timeline for this pilot program is as follows. May and June of 2018 was used to verify the process of this project and was used to acquire the necessary approvals to move forward. July and August were used as planning months for budgeting and planning the location of the conservation landscape. The needed materials and equipment were surveyed. September, October, and November are months used to process the 6060 form and start the building process of the practice. Ideally, the conservation landscape would be done before the end of December. However, due to inclement weather, building may not be finished until late January/February. Following this timeline, March, April, and May would be used as observation months as student volunteers at Centennial monitor the success of the practice as well as create a firm maintenance plan that can be easily replicated throughout other high schools.