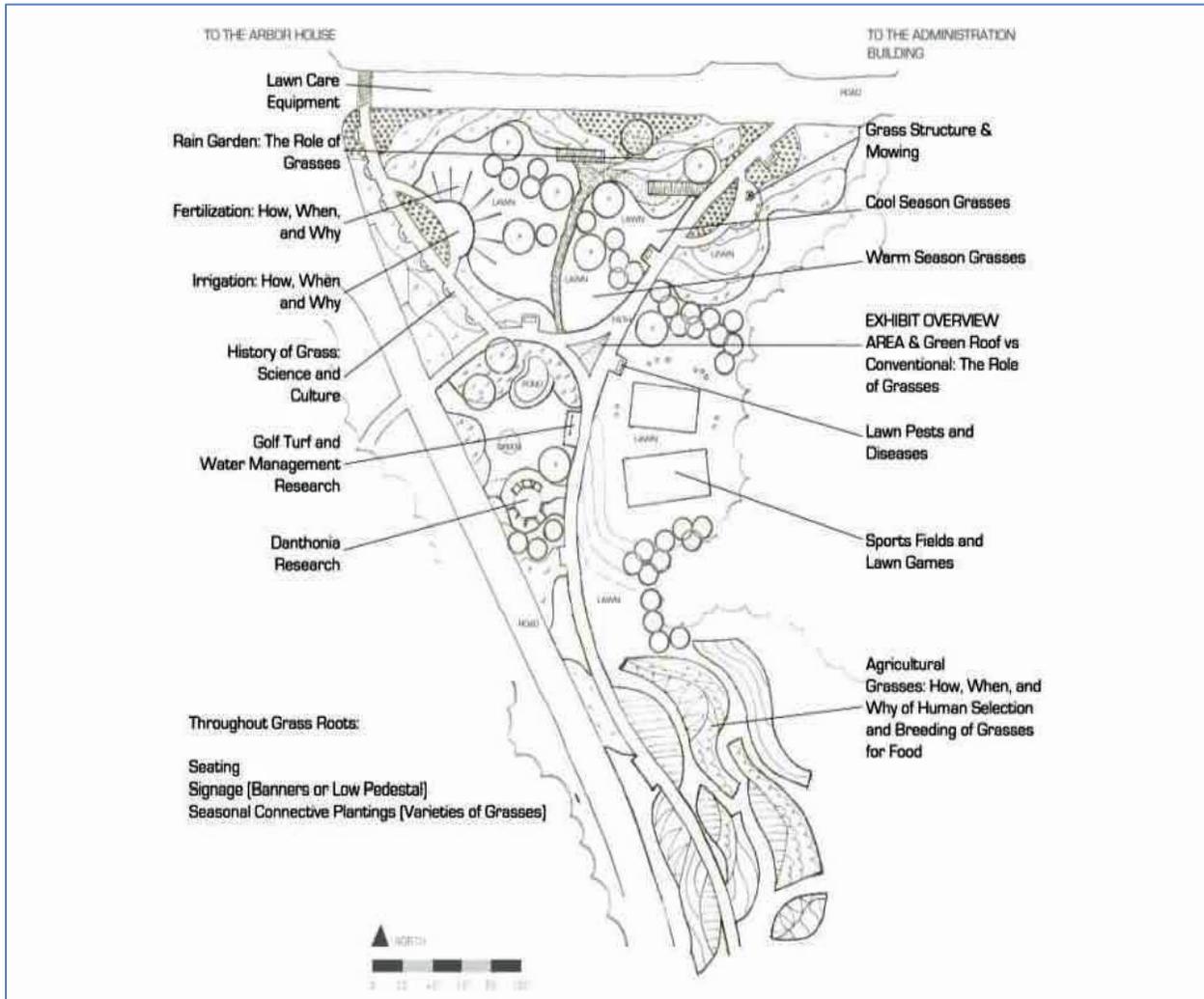


The outdoor turfgrass exhibit area – a one-acre, highly visible area adjacent to the Administration Building/Visitors Center and auditorium/conference facilities at the National Arboretum - a perfect site!



Turf Exhibit Stations

1. Green Roof
2. Danthonia
3. Golf—Research, Water Re-use, Maintenance
4. Irrigation
5. Fertilization
6. Maintenance Equipment
7. History of Lawn
8. Sports Fields & Lawn Games
9. Grass Structure (Why we mow!)
10. Warm Season Grasses
11. Cool Season Grasses
12. Rain Garden—with Grasses
13. Turf Diseases and Pests
14. Agricultural Grasses

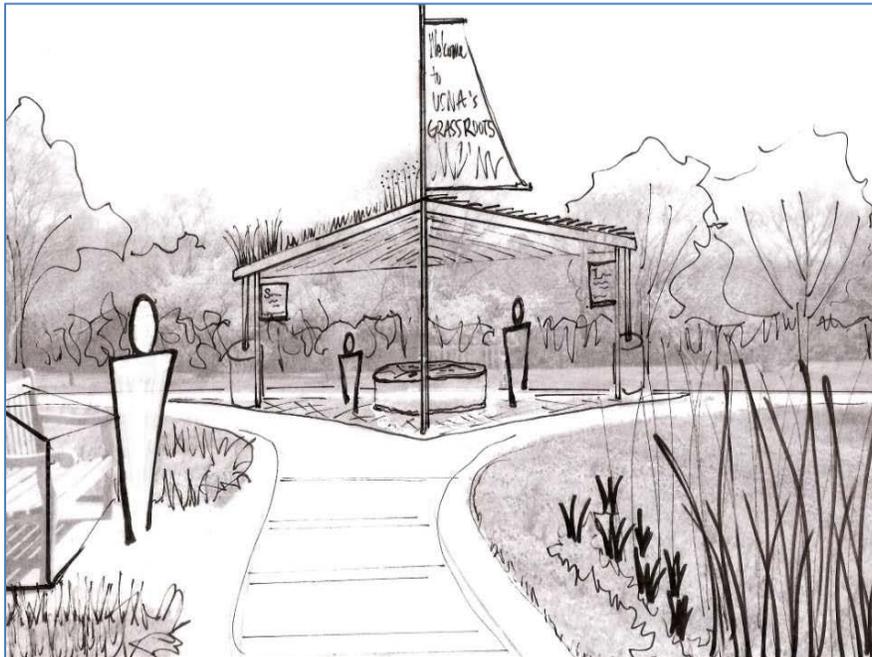


The outdoor turfgrass exhibit layout showing the fourteen stations

GREEN ROOF



"The Better Half"



Purpose: Centerpiece of the exhibit; Welcome station with overview of the exhibit; sheltered gathering space; demonstrates runoff of Green Roof (turf) vs. Conventional Roof

Messages presented: turf absorbs and cleanses water, also provides cooling

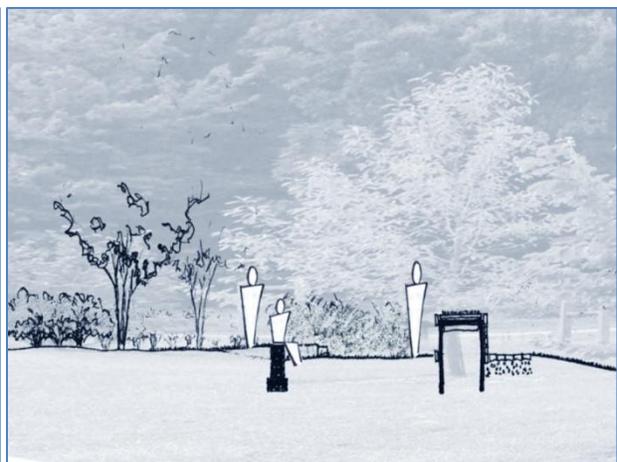
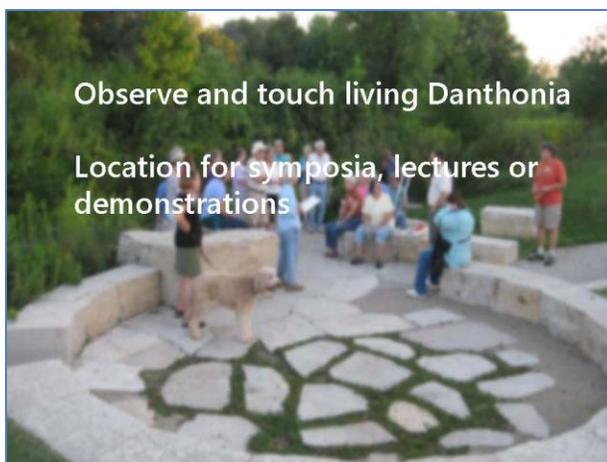
DANTHONIA



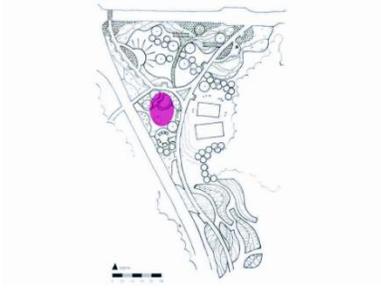
"Lawns of the Future"

Purpose: Inform visitors about improvements in turfgrasses; science plays a major role in improving grasses

Messages presented: Turfgrasses in the future will be more drought and pest resistant; USDA and others have played a major role in improving turfgrasses



GOLF



"Green Golf"



Purpose: Show different parts of the golf course and their uses; demonstrate how a golf course enhances communities; discuss the economic importance of golf

Messages presented: Golf is an environmentally friendly enterprise that protects the land, filters water and provides employment and recreation for many people

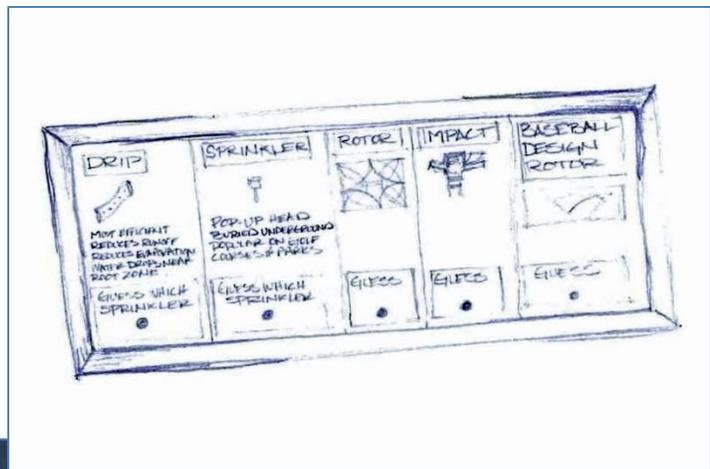
IRRIGATION



“Liquid Assets”

Purpose: Explain the basics of irrigation, its importance and water use efficiency

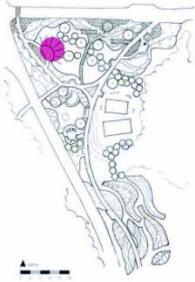
Messages presented:



Learn smart water usage
 Examine sprinkler heads
 Observe irrigation patterns

New irrigation technologies are water efficient; proper irrigation practices save water and make for healthier turf

FERTILIZATION



"Feed Me"



Purpose: Explain the history of fertilizer and why nutrients are important for lawns



Explore fertilizer through history

See results of misapplication

Learn appropriate fertilization regimen

Messages presented: Proper fertilization makes healthy turf that traps excess nutrients, filters water and protects waterways, as well as providing safe turf for athletes

MAINTENANCE EQUIPMENT



“Size Matters!”



Purpose: Display and demonstrate the latest in mower and maintenance equipment

Messages presented: Explain why mowing is important and show the advances in equipment technology

HISTORY OF LAWN



“In the Beginning!”

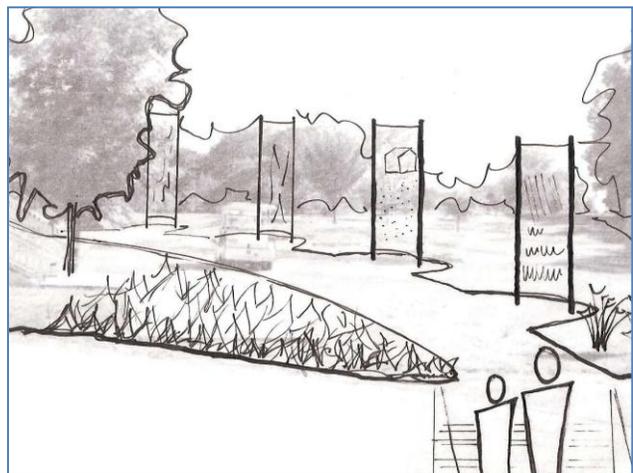
Purpose: To show the history of lawns from grasses in savannahs to modern day

Follow the history of grasses along the path

Experience a variety of current grass paver technologies

Understand the cultural and scientific influences on modern lawns

Messages presented: Humans have been culturally attached to lawns and grasslands for millions of years



SPORTS FIELDS & LAWN GAMES



"Game Winning Grass"



Purpose: Introduce visitors to the complexities of sports turf and enjoy playing on grass

Messages presented: Sports turf is a complex, highly engineered system that protects people and the environment



GRASS STRUCTURE AND MOWING



“Bottoms Up!”

Purpose: To show how grasses grow and why they are used in lawns

Messages presented: Grasses, unlike any other plant, are perfect for lawns because of the way they grow and all they can do; they are also fun to play on and explore



Learn details for botanical structure of grasses

Understand how grasses survive mowing and munching

Experience mowing fun with the people powered faux mowers

Warm and Cool Season Grasses



“Happy with Heat or Content with Cold”



Purpose: Demonstrate the differences between cool and warm season turfgrass species

Messages presented: There are two basic categories of turfgrass with different characteristics, needs and uses

RAIN GARDEN (with Grasses)

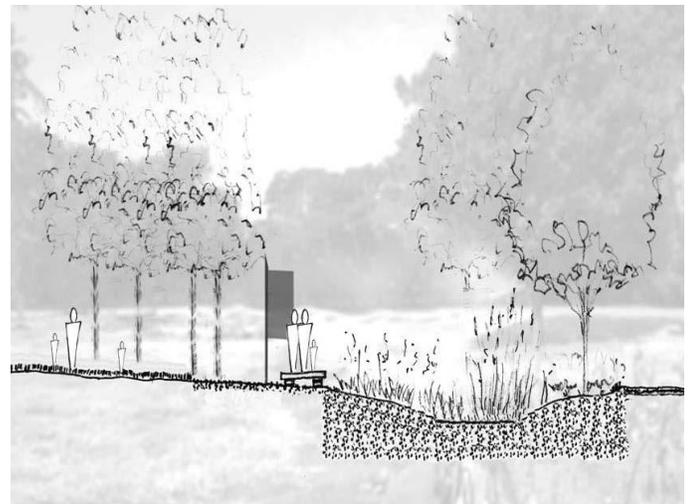


“Grasses Grab Pollutants”



Walk along the boardwalk to observe the rain garden

Learn about stormwater and the filtering effect of grass plantings



Purpose: To show how a rain garden containing grass and other plants work together to retain and filter storm water

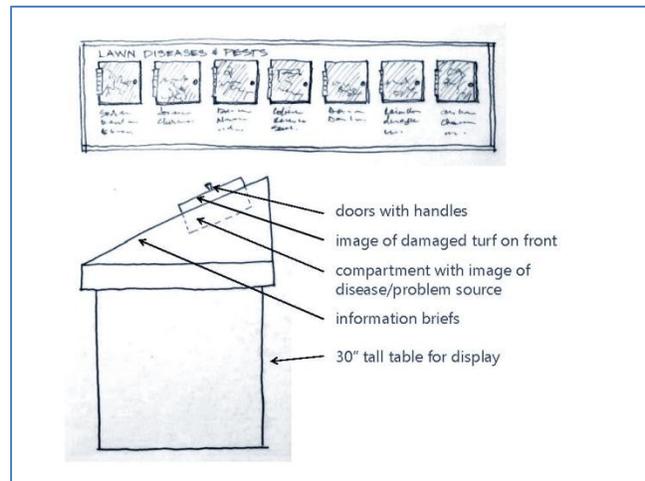
Messages presented: Lawns and rain gardens slow water runoff from urban areas so that filtering of pollutants occur and sediment runoff is severely reduced

TURF DISEASES & PESTS



“What’s Troubling My Turf?”

Purpose: To explore various problems and pest with lawns and turf, and explain some basic solutions



Damaged turf picture on door front



Damaged turf picture on door front



Grub picture on the inside of the door



Dog picture on the inside of the door

Messages presented:
 Properly maintained turf will have less pest problems, in addition, some problems are caused improper management, pets, etc.

AGRICULTURAL GRASSES



"Waves of Grain"

Purpose: Display crops such as corn, wheat and rice that visitors may never have seen up close; inform visitors that these are grasses as well

Messages presented: Grasses are very important as food crops, for erosion control, habitat for birds, mammals and insects, etc. as well as their uses as turf

