



Country / City
University / School
Academic year
Title of the project
Authors

United States, Morgantown
West Virginia University
2018
Louisville Waterfront Botanical Gardens
Alexandra Chacalos, Daniel Wilson





PERFORMATIVE NATURE

Barcelona International Landscape Architecture Biennial

September 2018 **Barcelona**

SCHOOL PRIZE

X International Landscape Architecture Biennial

Máster d'Arquitectura del Paisatge -DUOT - UPC

ETSAB- Escola Tècnica Superior

d'Arquitectura de Barcelona

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TECHNICAL DOSSIER

Title of the project	Louisville Waterfront Botanical Gardens
Authors	Alexandra Chacalos, Daniel Wilson
Title of the course	Landscape Architecture 451: Capstone Experience
Academic year	Spring 2018
Teaching Staff	Instructor: Michael Hasenmyer Project Advisor: Shan Jiang
Department/Section/Program of belonging	Davis College of Agriculture, Natural Resources & Design; Landscape Architecture
University/School	West Virginia University

Written statement, short description of the project in English, no more than 250 words

Our team worked on the Waterfront Botanic Garden project in Louisville Kentucky. This project was located along Interstate 71 which is one of the main roads into the city of Louisville. The project is being developed on the closed Ohio Street Dump. The dump was closed in 1973 after being opened for over 40 years. The build up of trash lead to many design challenges for the site. Our design was centered on providing the users with a unique experience when they entered the garden. After entering the visitors center you ascend to into the conservatory and once you exit the conservatory you are greeted with open views of the gardens. The gardens focus on reducing the negative impacts of development by managing storm water on site and using native plantings to help remediate the soil contaminates on site. Our team also focused on providing an experience for the children and the parents who visit the garden. We created a child's play area that used plant material that have unique qualities such as texture, smell, and colors to entice children to learn from the garden as well. Our team feels that a landscape should not only be a place that is viewed by people but also a place where everyone can learn. We feel like creating spaces that engage the users to use all of their senses when they are in the landscape. Landscapes should do no harm to the environment and only benefit the natural environment by creating more natural and sustainable landscapes for everyone to enjoy for current and future generations.

For further information

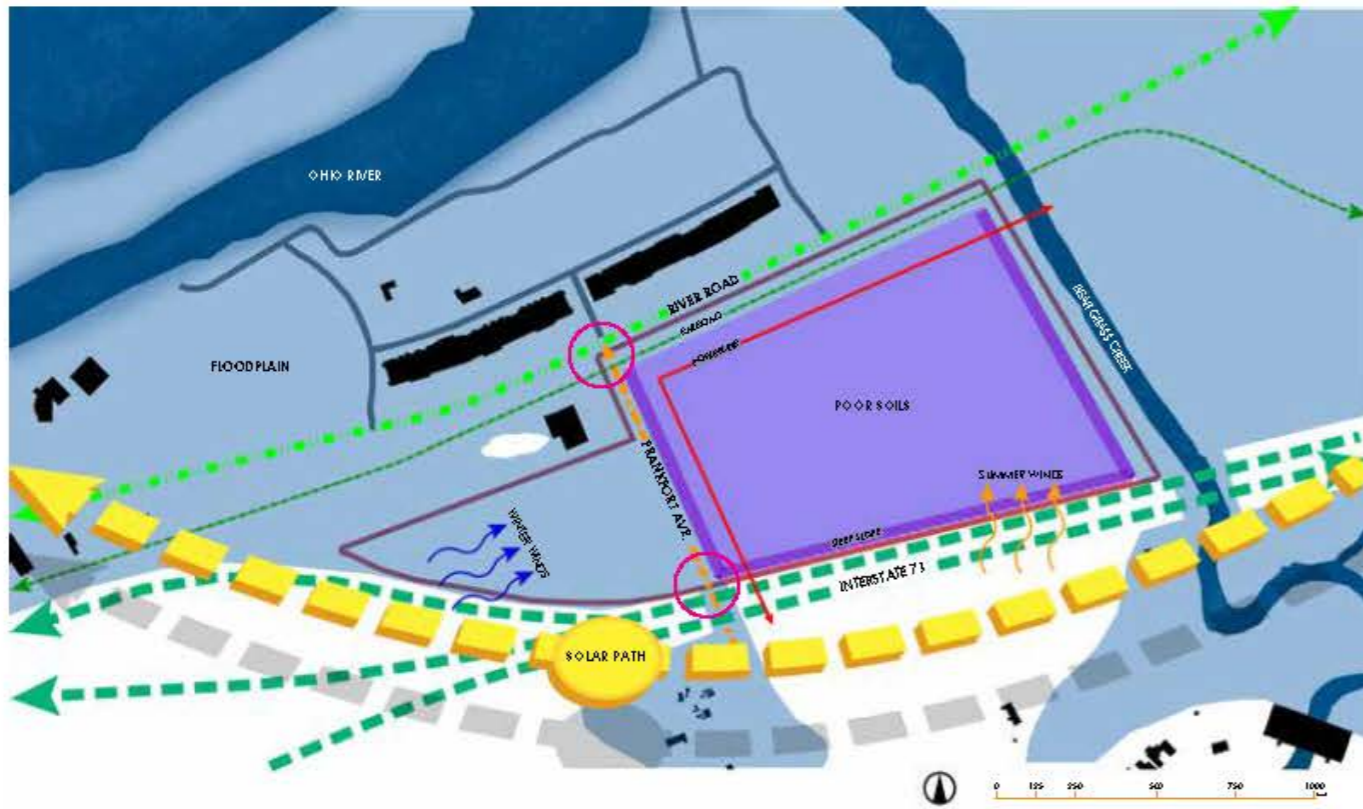
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Consult the web page <http://landscape.coac.net/>

ANALYSIS



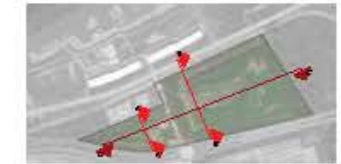
SECTION A-A'



SECTION B-B'








SECTION C-C'



DESIGN GOALS



-  CONNECTIVITY
-  EDUCATION
-  STORMWATER MANAGEMENT
-  TOPOGRAPHY
-  UNIQUE EXPERIENCES

MASTER PLAN



- 1. TRAIL CONNECTION
- 2. 2ND ENTRANCE PLAZA
- 3. OPEN LAWN
- 4. WETLAND
- 5. BUS & OVERFLOW PARKING
- 6. GRAND ENTRANCE
- 7. VISITOR CENTER & GREEN ROOF
- 8. CONSERVATORY
- 9. GARDEN PLAZA
- 10. PARKING GARAGE/SPECIAL EVENTS
- 11. KNOT GARDEN
- 12. PERSIAN GARDEN

- 13. JAPANESE GARDEN
- 14. CHINESE GARDEN
- 15. ALPINE GARDEN
- 16. ENGLISH WOODLAND GARDEN
- 17. OVERLOOK
- 18. PRAIRIE
- 19. VERNACULAR GARDEN
- 20. DEMONSTRATION SPACE
- 21. SENSORY GARDEN & KIDS PLAY
- 22. TOPOGRAPHY
- 23. EDUCATION CENTER

SOLUTIONS



SENSORY GARDEN, AQUATIC GARDEN, AND GRAND ENTRANCE RENDERINGS



DESIGNED EXPERIENCE

THE SEQUENCE OF CULTURAL GARDENS AND THEMED GARDENS WAS ORGANIZED IN A WAY TO ALLOW FOR THE MOST INTERESTING AND EDUCATIONAL EXPERIENCE.

