



University of Maryland Landscape Architecture Program

Byoung-Suk Kweon, Professor, Director (Design Center for Environmental and Community Health), PhD, PLA



Flewellen Creek Ecological Restoration - Fort Bend County, Texas
Biohabitats and SWA Group- Landscape Architecture

Ecological Restoration Natural Resources Conservation Green Infrastructure Bioretention Phytoremediation Mine Reclamation
Green Roofs Living Walls Constructed Wetlands Floodplain Restoration Living Shorelines Streambank Stabilization Greenways

Ecological Design



The Yards Park - Washington DC
Paul Friedburg - Landscape Architecture

Waterfronts Plazas Streetscapes Community Parks Corporate Campuses Sports Complexes Light Rail Stations Green Roofs
Urban Greenways Complete Streets Arts Districts Arboreta Redevelopment Zones Boulevards Tactical Urbanism Green Streets

Urban Design



Great Kids Farm - Baltimore
University of Maryland - Landscape Architecture

Community response to sea level rise
Urban agriculture
Face-to-face interviews
Cultural resource preservation
Public presentations
Vacant lot redevelopment
Crime prevention through environmental design
Neighborhood design
Healthy cities
Workshops

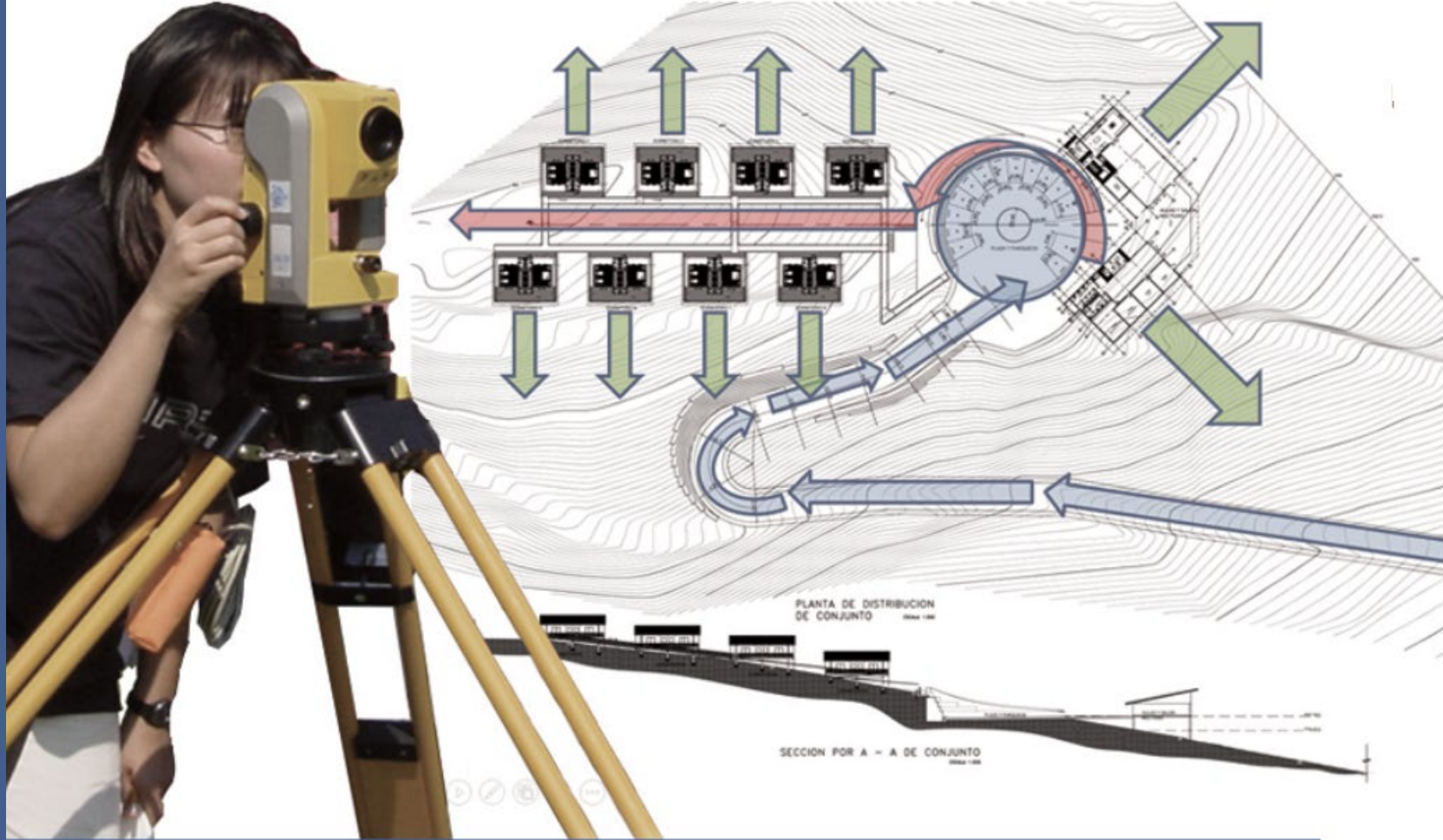
Community Design



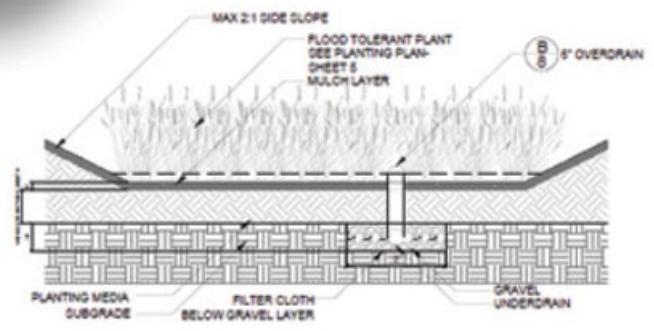
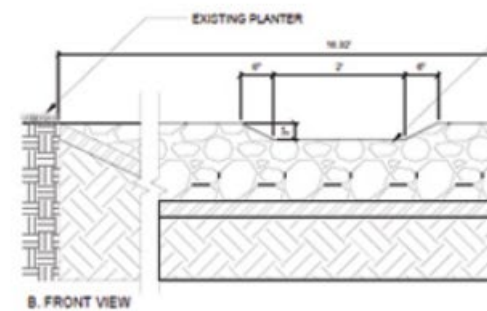
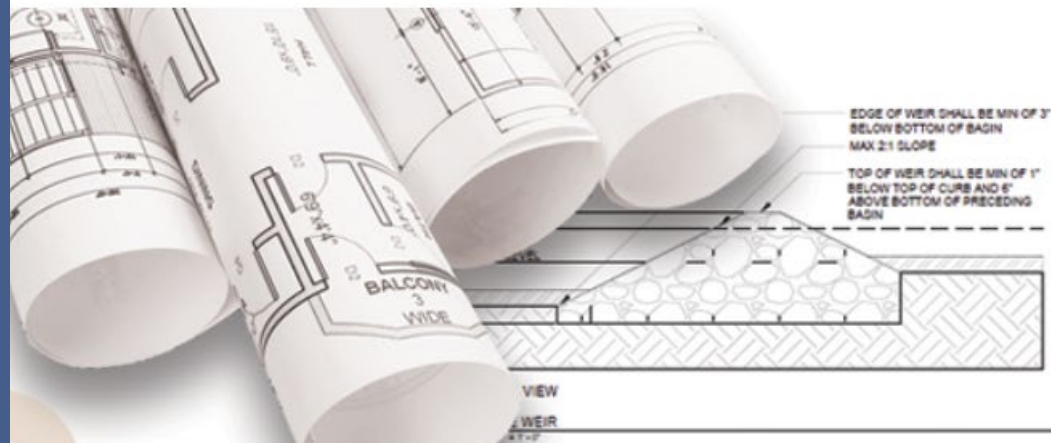
Gardens By the Bay - Singapore
Grant Associates - Landscape Architecture

Earthworks Metal fabrication Concept and meaning Lighting design Materials and methods Public art Soundscapes
Digital modeling and visualization Civic monuments Form generation Pop-up parks Placemaking Theatrical urban spaces

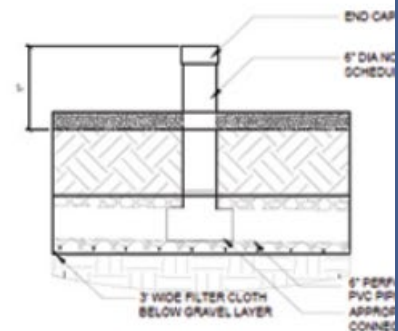
Creative Design



Data Collection, Inventory & Analysis



D TYPICAL MICRO-BIORETENTION BASIN PROFILE
Scale 1/4" = 1'-0"



E OBSERVATION WELL
Scale 1/4" = 1'-0"

Construction Documentation



Design Implementation

Ranked 3rd Nationally for Citations

Table 6. Top 20 Schools Ranked by Median Total Citations (Note: All Citation Values are Medians)

Rank	School	# Faculty Members	# Publications	Total Citations	h-index	hl,norm	hl,annual
1	Michigan State University	5	46	911	16	8	0.42
2	Texas A&M University	11	32	696	9	7	0.25
3	University of Maryland	5	30	503	7	6	0.27
4	University of Wisconsin-Madison	8	25	449	11	7	0.28
5	University of Washington	8	44.5	306	7.5	6	0.26
6	University of California, Berkeley	11	43	257	8	7	0.33
7	Rutgers, The State University of New Jersey	8	43.5	247.5	5.5	4	0.19
8	University of Arizona	7	22	237	7	6	0.42
9	University of Minnesota	7	22	217	4	4	0.20
10	University of Massachusetts, Amherst	9	39	182	6	5	0.19

Service Learning & MD Impacts

- Arboretum Outreach Center, UMD **2012**
- Casey Tree Farm Master Plan, Casey Trees, **2012-2013**
- Artful Stormwater Concepts, Ellicott City **2013**
- New Hope Academy, Landover Hills **2013**
- Wildlife Recreation Area, Frederick **2014**
- Watershed Recreation Trail, Frederick **2015**
- Kingman Island Habitat Restoration, Washington, DC **2015**
- Fulton South Community Park, Howard County **2015**
- Rails to Trails, Howard County **2016**
- Patapsco Greenway, Ann Arundel County **2016**
- Outdoor Education Center, Ann Arundel County **2017**
- Spiritual Retreat Center, Brandywine **2017**
- Nature Center Master Plan, Montgomery County **2017**
- Great Kids Farm Master, Baltimore **2018**
- East Coast Greenway, Prince George's County **2020**
- Bowie Complete Streets, Prince George's County **2022**
- Golf Course Transformation, Prince George's County, **2022**
- Habitat Restoration, Montgomery County, **2022**
- WyeREC Master Plan, Queen Anne's County, **2024**
- Nature Reserve, Frederick County, **2024**
- Climate Resilience Master Plan, St. Mary's County, **2025**

- Ellis projects only shown here – All faculty have similar lists

Awards & Recognition

NATIONAL and INTERNATIONAL

Edmund Bacon Urban Design Student Competition

- 2nd Place – 2026

EPA Campus Rainworks Competition

- 1st Place – 2014, 2015, 2022
- 2nd Place – 2016, 2017
- Honorable Mention – 2013, 2022

Urban Land Institute

- 1st Place – 2014, 2015
- Honorable mention – 2026

MARYLAND

Maryland Sustainable Growth Challenge

- 1st Place – 2016, 2018, 2019

Maryland ASLA Professional Awards

- 2020 – Sherry Russel (research)
- 2021 – Alison Jones (research)
- 2024 – Marci-Ann Smith (research)

LARC641: Landscape Architecture Graduate Studio

Landscape Architecture Students



Jensen, Melissa



Johnson, Amelia Eve



Kessel, Gabrielle Episcopo



Lefkowitz, Naomi



Raspler, Noah Matthew



Soriano, Kendall



Tucker, Connor Eric



White, Michael

LARC641: Landscape Architecture Graduate Studio

Roland Park Country School

- Baltimore
- Nature Play and Learning Space
- 5 acres
- Forest Conservation Easement
- One Collaborator



Vera Cope Weinbach Park

- New Carrollton
- Neighborhood Park
- 6.11 acres
- Two Collaborators



Partnership for
Action Learning
in Sustainability

Thank you!

- Byoung-Suk Kweon:
kweonb@umd.edu