

Mentors Are Needed At Engineers Without Borders (EWB) To Help Cultivate A New Generation of Young Global Minded Engineers

Pennsylvania Section of the American Waterworks Association (PA-AWWA)
77th Annual Conference & Expo
May 14, 2025

Roger L. Price, P.E.

1



EWB-USA PHILOSOPHY-MISSION

Ultimate Goal: *Equip communities with the capacity to sustainably meet their basic human needs.*

- 10,000 members
- 221 Chapters
 - 149 Student
 - 72 Professional
- Projects in 28 developing countries
- Working on 348 projects
 - 205 Water Supply
 - 45 Structures
 - 33 Sanitation
 - 27 Civil
 - 22 Agriculture
 - 16 Energy



2

2019	Aug	Tanzania	Univ. of Cincinnati	REIC & TRAVEL MENTOR
	Dec	Gambia	Ohio State Univ.	
2020-2021		Covid – No Travel		
2022	Aug	Kenya	Princeton Univ.	
	Aug-Sep	Kenya	Virginia Tech Univ.	
2023	July	Rwanda	Univ. of Colorado	
	Aug.	Kenya	Princeton Univ.	
	Aug-Sep	Ecuador	Univ. of Wisconsin	
2019-2023	--	Ecuador	Univ of Pittsburgh	REIC & PROJECT MENTOR
2020-2021	--	Uganda	West Virginia Univ.	
2022-2023	--	Nicaragua	Georgia Tech Univ.	

3

My Motivation

- Use engineering experience
 - Benefit of disadvantaged communities
 - Mentoring & training next generation of engineers
- Ensure students have opportunity for EWB international project
- Empower students that they may in turn be powerfully impacted by experiencing diverse cultures & their challenges.



4

My Motivation (Continued)

- By applying their knowledge in real-world settings the students gain invaluable experiences that extend far beyond the classroom.
- They don't just develop technical skills—they grow as leaders, problem-solvers, and global citizens.
- It is a Life Changing Experience!!



5

Receiving More Than Giving

- Choosing to volunteer with EWB-USA
 - self-satisfaction,
 - personal challenges & rewards,
 - opportunities to engage with other cultures,
 - work with college students is awesome experience.
- These students are incredible
 - individual passion & compassion,
 - dedication & hard work, intelligence,
 - joy that they readily share



6

Princeton Kenya Team Celebrating Conclusion of a Successful Trip & Project Hand-off to the Community



7

Virginia Tech Masara Steel Kenya

Drilling
through dry
rock

500-Feet



Borehole
Flushing



8

Virginia Tech Masara Steel Kenya Success!



First Water Pumped

Meeting following well completion

- All were extremely pleased
- All expressed strong commitment to raising funds for O&M
- All expressed desire convert hand-pump to solar powered electric pump.

9

Virginia Tech Masara Steel Kenya Why We Were There



Church Sunday
School Presentation



10

Ohio State University - The Gambia, West Africa Gambian Naming Ceremony



My
Family



My Gambian Name:
Demba Ceesay



11

Ohio State University - The Gambia, West Africa Gambian Naming Ceremony



12

Ohio State University - The Gambia, West Africa

What did we Eat?



Spoons
Optional!

13

Ohio State University - The Gambia, West Africa

Why were we There?



Well Water for
New Garden

What is on her back?



14

Ohio State University - The Gambia, West Africa

Students
engage in
night-time
preparations
for next day
drilling



15

Ohio State University - The Gambia, West Africa



16

Ohio State University - The Gambia, West Africa



17

Ohio State University - The Gambia, West Africa Meeting the Governor



18

University of Colorado – Rwanda Rainwater Collection



19

University of Colorado – Rwanda Closing Ceremony



20

University of Colorado – Rwanda Closing Ceremony



21

University of Colorado – Rwanda



22

Princeton University 2023 Trip to Kenya



23

Princeton University 2023 Trip to Kenya



24

Princeton Univ. 2023 Kenya



25

Princeton Univ. 2023 Kenya

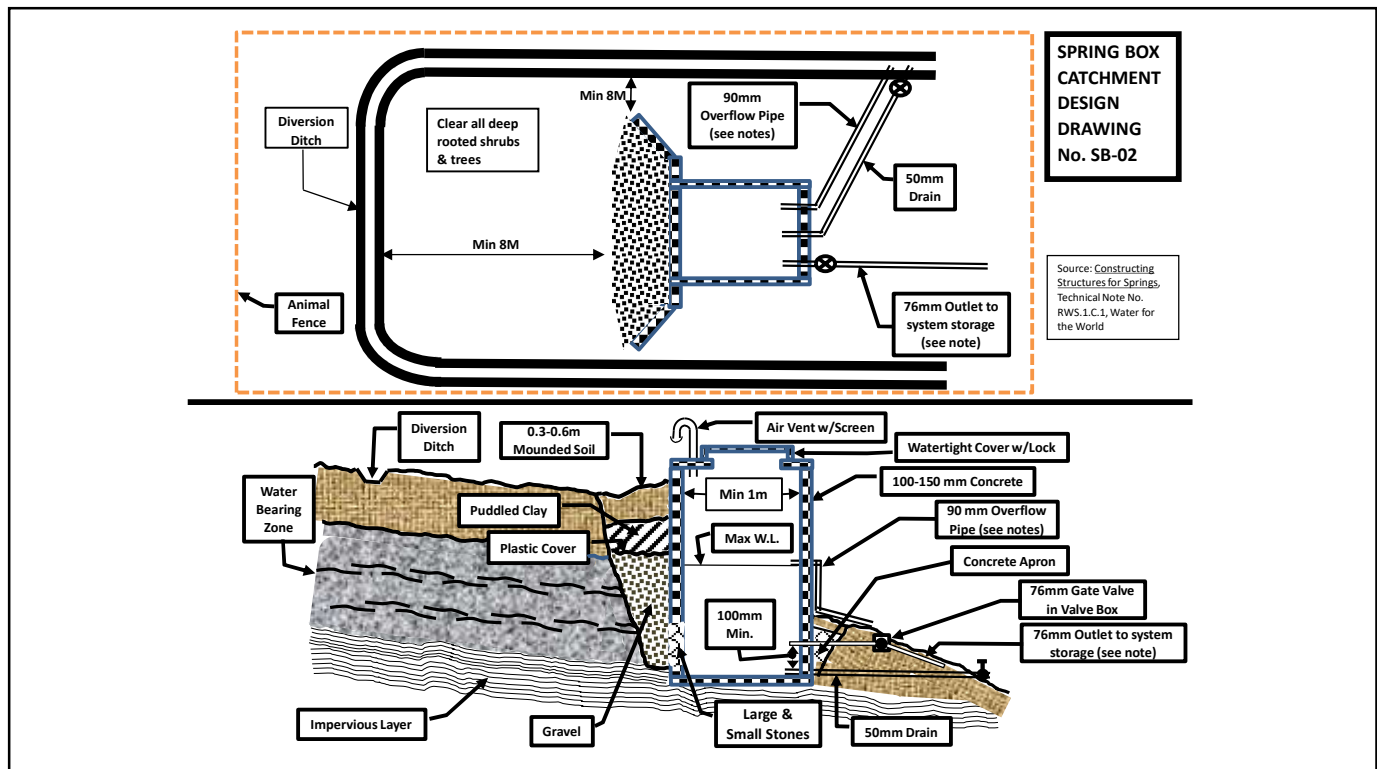


26

rogerprice@psu.edu

412-889-5821

27



28

