

MANTA TECH VA



SKANSKA

SCHOOL TO SKANSKA
2013-2014

iMentor

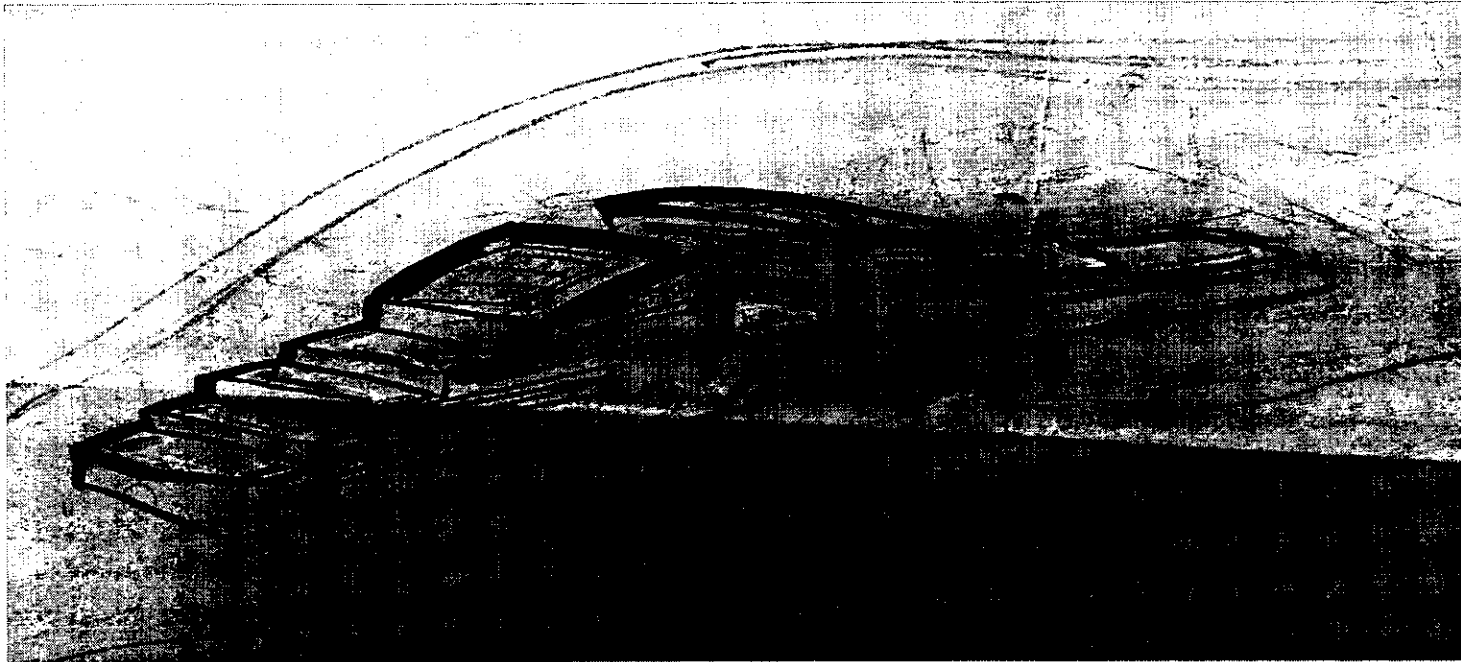
MANTA TECH VA

- Manta tech represents a sustainable way of construction, innovation and public outreach
- Staff:
 - Jean Makori
 - Alex Nwogu
 - Jerry Wallman
 - Lyric Bolen
 - Janet Johnston

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The Alexandria Waterfront Rejuvenation



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The Alexandria Waterfront Rejuvenation

- Public science center to replace GenOn Power Plant
- Serve as a public attraction, providing exhibitions and also private spaces for science research
- Recreation and information for the children and adults
- **Funding:** joint input from government and fundraising projects from the company
- **Clients:** residents of the City of Alexandria

CONCEPTS

- ***Location factors:***

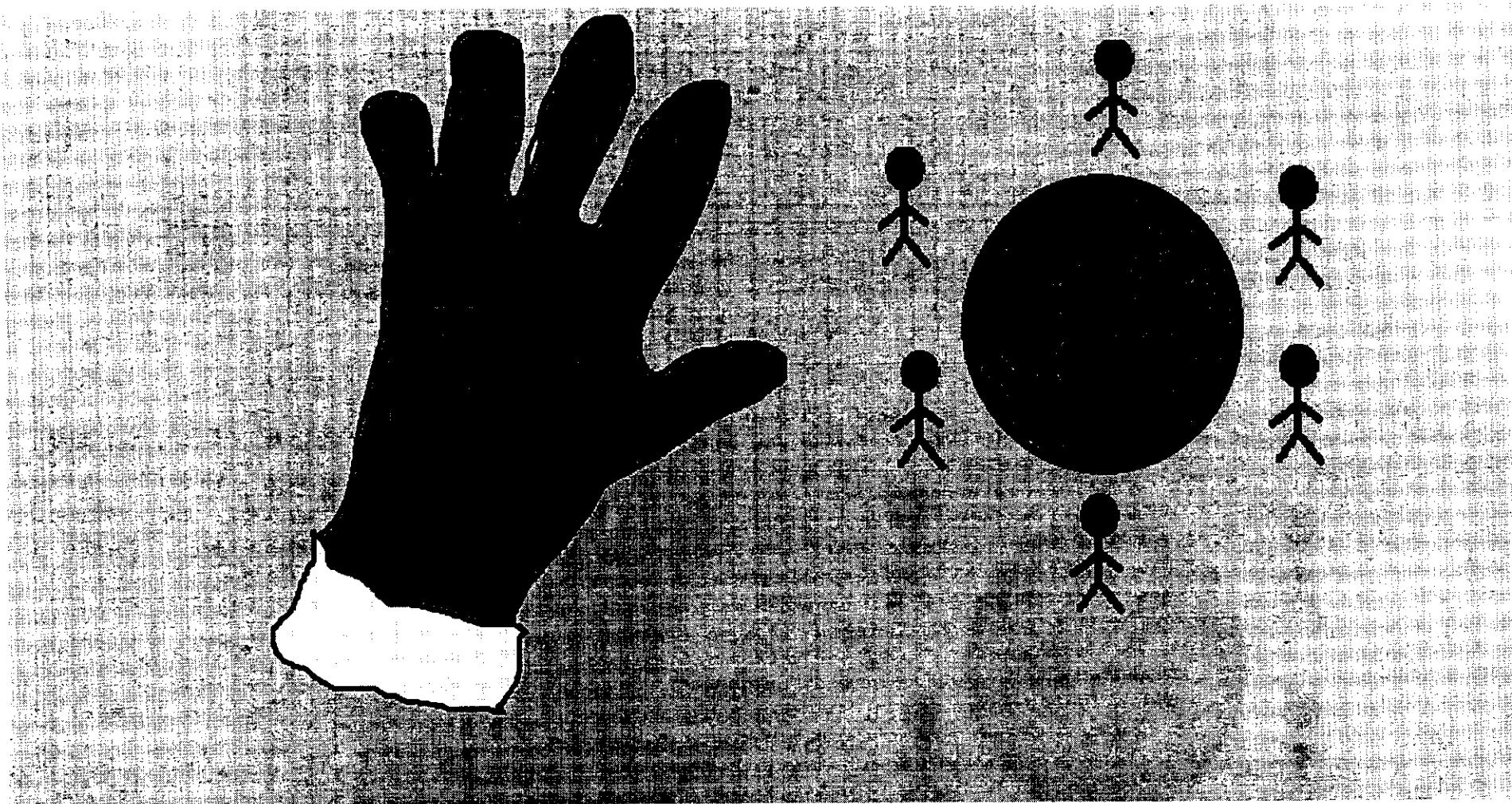
- quality of land due to previous use of land
- ***railroad tracks*** which cannot be removed or recycled
 - recreational trolley system after a settlement with the railroad owners is reached

- ***Sustainability:***

- The proposed project is aiming to be LEED platinum certified
- Solar panels
- Green roofs
- Rain-Water Cistern
- Hydrothermal cooling and heating system

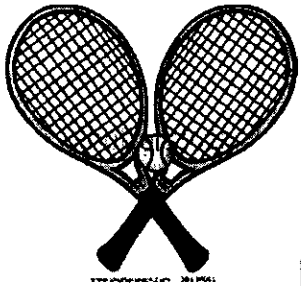
COMMUNICATIONS/MARKETING

- Opening party in the project construction
- ***Twitter***
 - @mantatechva
 - #timeforchange
- ***Employment opportunities***
 - small businesses, rentals, and public interaction areas



MOSBIUS CONSTRUCTION©

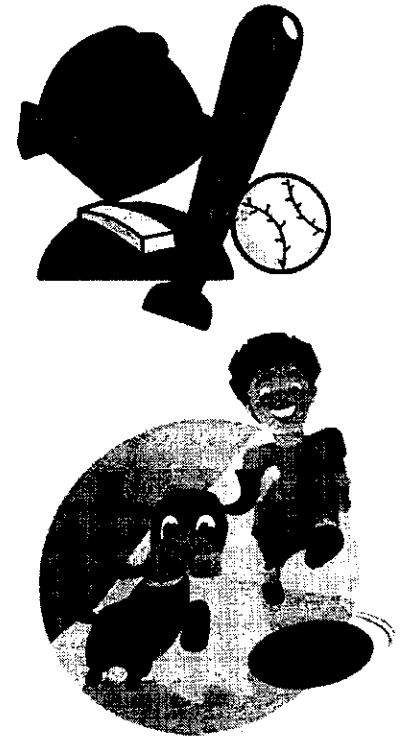




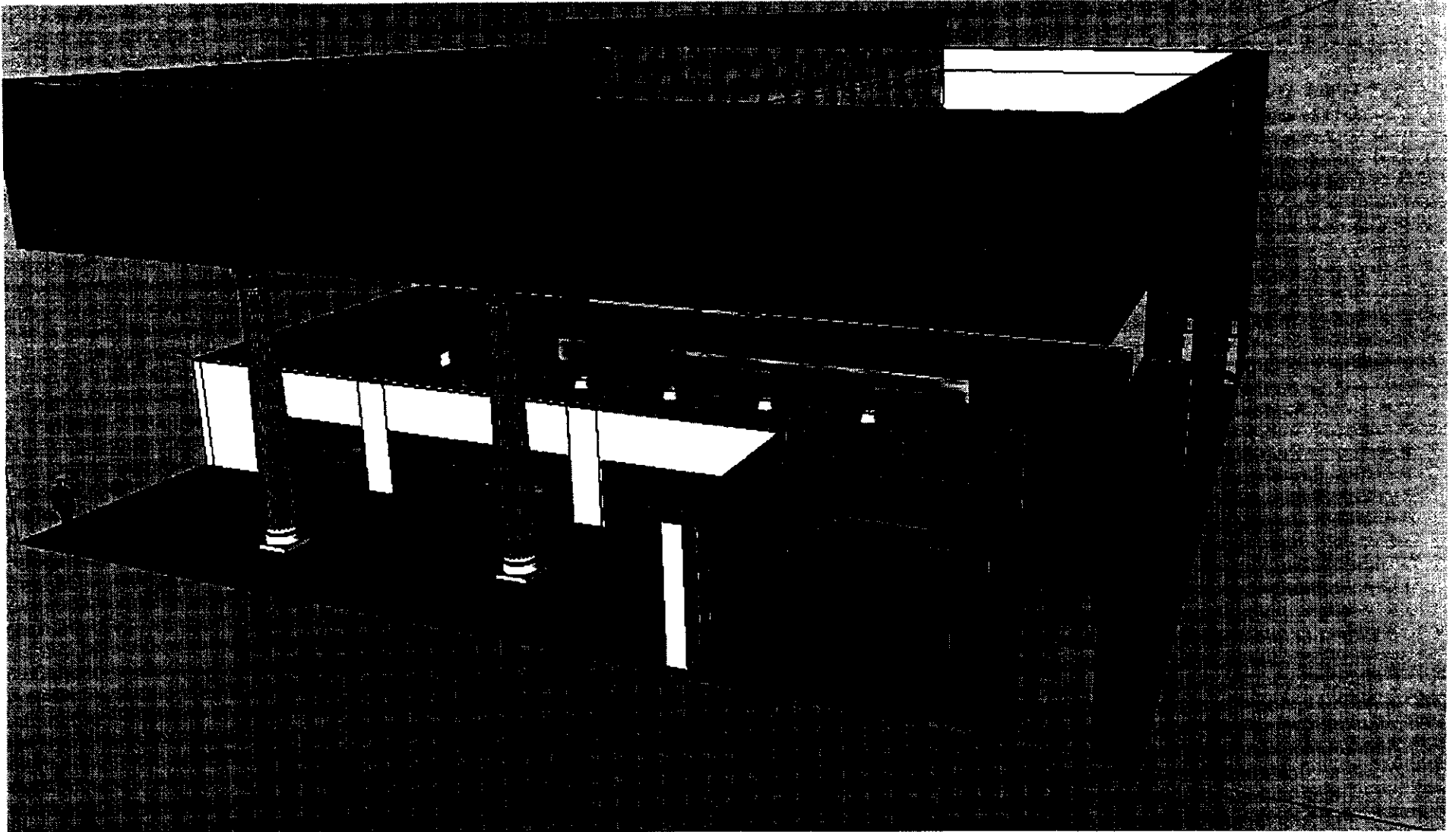
Arthur Ashe Project

(giving back to the community)

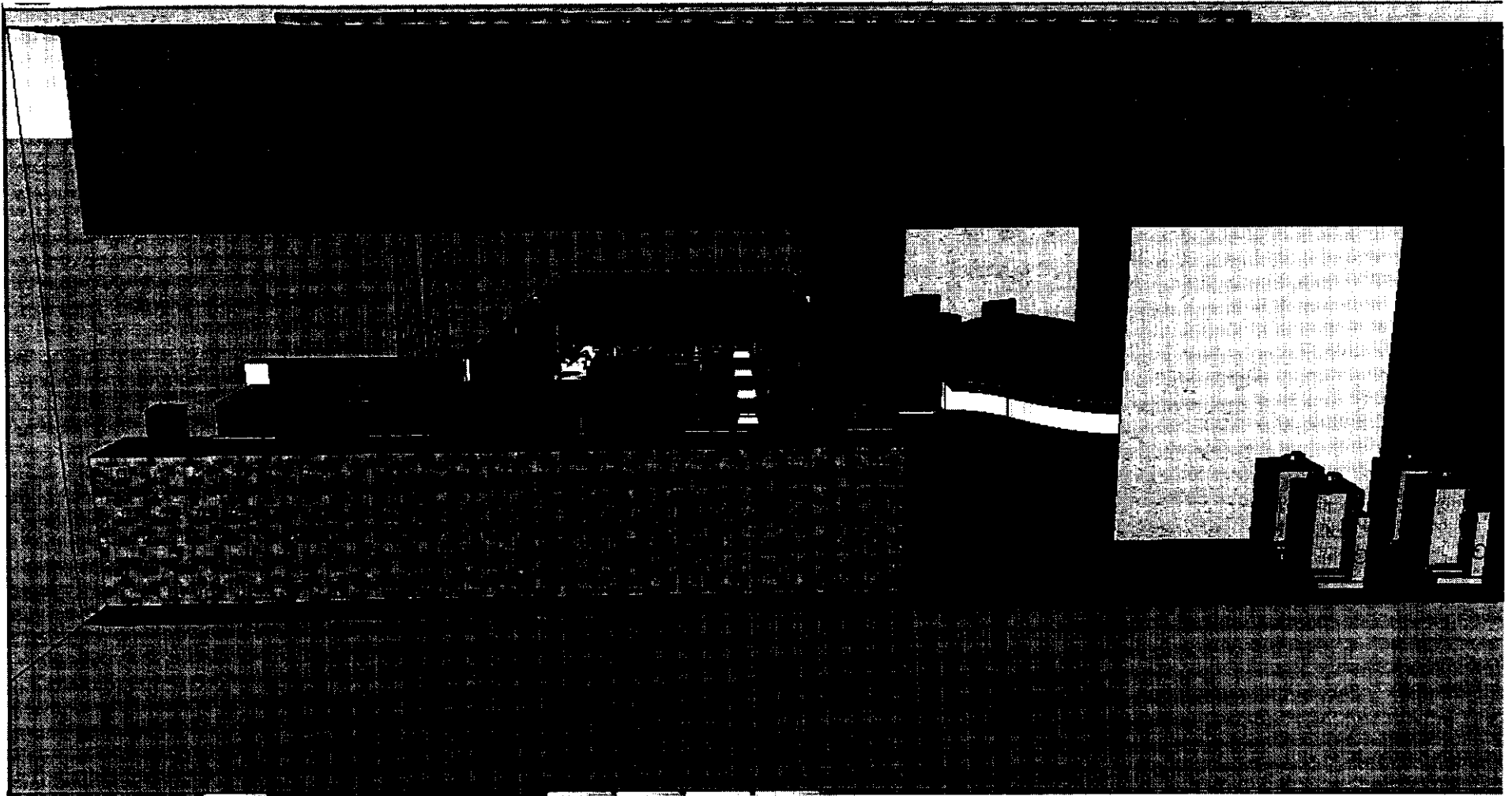
- ❑ Recreation Center for the community
 - Why a Rec Center?
- ❑ Fields for various sports (offered to the public)
- ❑ Children's Playground and Dog Park
- ❑ Recreation Center Facilities (membership needed)
 - Can rent our rooms for scheduled events
- ❑ Long term plan is to sell the recreation center to the city of Alexandria
- ❑ Named after the Tennis Player that was the first black man to be selected for the US Davis Cup team
- ❑ CAFÉ! WORK OUT → REENERGIZE (we want bikers too!)



Interior Floor Plan (bottom floor)

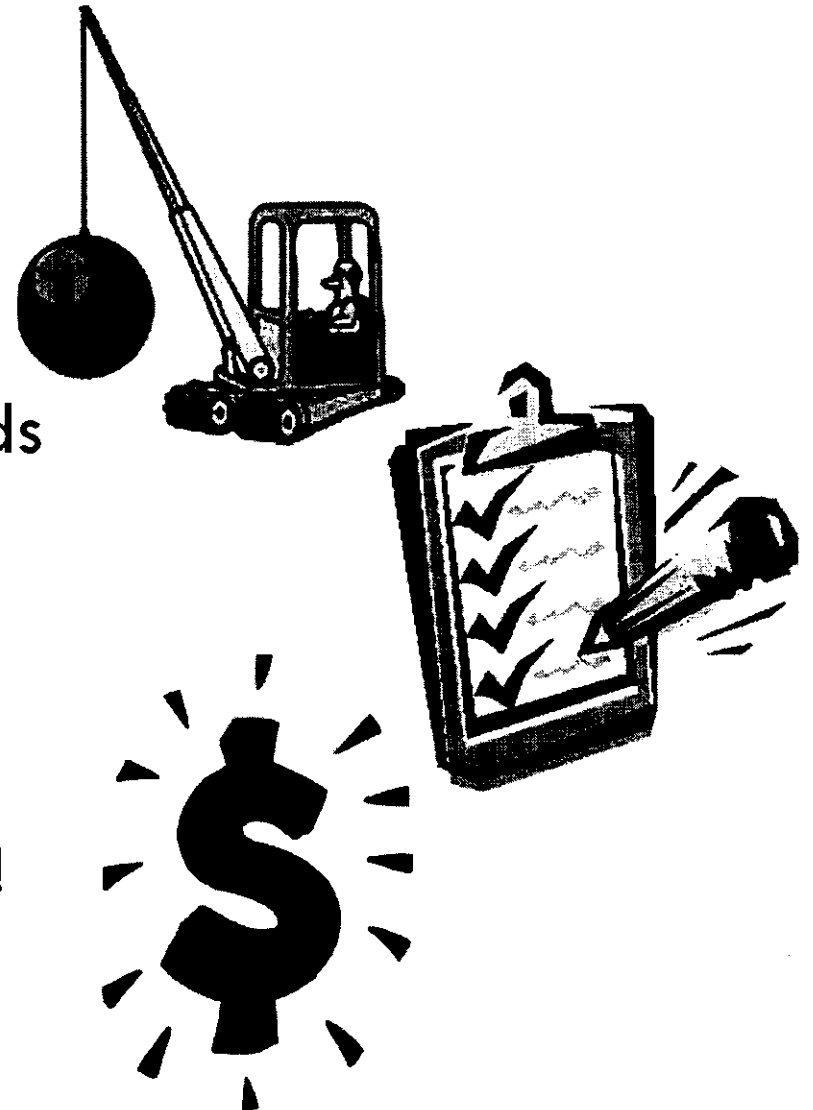


Interior Floor Plan (side view)



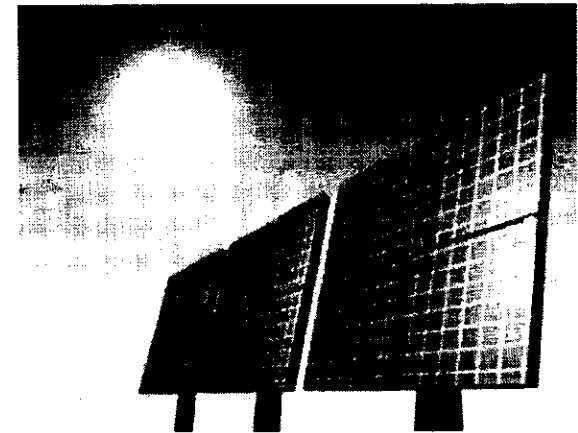
Budget and other Considerations

- ❑ Soil Nourishment/treatment
- ❑ Demolition
- ❑ Plumbing/Electrical costs
- ❑ Construction building and fields
- ❑ City codes
- ❑ Community Promotion
- ❑ **SHOW ME THE MONEY!**
 - ❑ P3- Private Public Partnership!!!



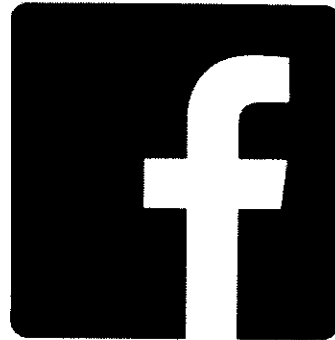
SUSTAINABILITY FACTORS/ ENGINEERING CONCEPTS

- ❑ Solar panels (also for hot water systems!)
- ❑ Motion sensors for LED lights
- ❑ Natural light (Sun!)
- ❑ Collection of rainwater (for watering the fields)
- ❑ Take advantage of access to the river for transportation of materials
- ❑ Waterfront/Marina (utilize!)
- ❑ Demolition (soil nourishment from contamination)



COMMUNICATIONS/MARKETING

- Get info out quickly to public via Social Media
 - Twitter, Facebook, Website, Instagram,



- Hold Q&A information session for the community before, during, and after project
- Check out our website: Mosbiusconstruction.weebly.com