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DC United is one of Major League Soccer’s most decorated franchises, yet it still plays its home games within the crumbling confines of RFK Stadium. This structure and the surrounding parking lots sit vacant for most of the year, though they occupy a prime site along the Anacostia River. In this project, I am proposing to incorporate a new metro station, transit hub and commercial development into the design of a stadium for DC United along the northern portion of the site. By providing services and amenities that do not currently exist in this part of the city, this endeavor could be a viable year-round resource for the community.

I could not have done this without Bridget and Lucas.
left: my hometown, bowie maryland, 1963.
right: beaver stadium, state college pennsylvania.
for right: my first stadium design, circa 1997.
1. the neighborhood
2. stadium/armory metro station
3. Arthur Ashe Stadium (north of E. Capitol St.)
4. Whitney Young Memorial Bridge
5. 6th street (foreground)
6. view from Whitney Young Memorial Bridge
7. view from 6th street concourse, looking west
8. view from 6th street concourse, looking east
the neighborhood
As you can see, for whatever reason, this part of the city is cut off from metro-rail service. A proposed streetcar line is being planned to mitigate this problem, but its future is uncertain.
the site

top left: an early diagram of the city showing the radial streets.
top right: view of the Anacostia River from above Benning Road.
right: existing site conditions.
most don't consider this to be an amenity...
The Colosseum

Rome, Italy
Circa 70 AD
Capacity 50,000

Goodison Park
Liverpool, England
1892
Capacity 40,200
crew stadium

Columbus, Ohio
1999
Capacity: 20,500

Oriole Park at Camden Yards
Baltimore, Maryland
1992
Capacity: 49,000
FedEx Field
Landover, Maryland
1997
Capacity 91,700

Lincoln Financial Field
Philadelphia, Pennsylvania
2003
Capacity 68,500
2. Stadium at Olympia, Greece. circa 776 B.C.
4. Entrance, Stadium at Olympia, Greece. circa 776 B.C.
station research
the pieces
the process
left: early sketch for East Capitol Street redevelopment.
Top left: the first round of research.
Middle left: snapshot of online workspace.
Bottom left: early sketch for RFK redevelopment.
Above: schematic design for RFK stadium addition.
Right: schematic designs for redevelopment of RFK Stadium and adjacent parking lots.
top left: GIS site analysis.
middle left: Documentation of the site and city.
bottom left: Digital model of the site and elevated metro line.
top right: Early sketch.
top right: Massing study for RFK Stadium site.
bottom right: Schematic designs.
Left: development of the urban plan. Middle: stadium studies. Right: diagram showing views from the corners. For right, top & bottom: ideas for the metro line.
2. street level plan showing circulation
3. vending and bathroom modules
4. massing study
5. solid/void relationship study
6. exploring below grade configurations of seating and luxury boxes
7. a different approach to configuring the restrooms
8. ticketing and entrance study

left: the inner concourse.
below: structural studies.
developing the design through painting.

above left: structural study.

above middle: adjusting the plan.

above right: detailing with the BIM model.
left: designing the modules.

Top: using the construction process to help make design decisions.
the design
study model

diagram showing field layout considerations
public paved areas

gated paved areas / concourse

metro station

landscaped areas

stadium amenities (concessions, bathrooms, bars, etc.)

commercial spaces
- public paved areas
- gated paved areas / concourse
- metro station
- landscaped areas
- stadium amenities (concessions, bathrooms, bars, etc.)
- commercial spaces
gated paved areas / concourse
metro station
stadium amenities (concessions, bathrooms, bars, etc.)
commercial spaces
roof plan

transparent roofing
metal roofing
1. arrive on the metro. 
2. go upstairs to one of the sky gates. 
3. head to your seat.

go to the game and never touch the ground.
although it's been neglected, the waterfront is an amenity
left: view from the inner concourse. above: inside one of the luxury boxes.
a new home for united

an asset for the community 365 days a year
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Bowie Subdivision, Prince George’s County, Maryland. 1963

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To Mom, Dad, Steve, Mel, Granny, Pap, Ally, Laura, Chuck, Marie, my committee members, teachers, coaches, teammates, peers, coworkers, family and friends. I am me because of all of you.