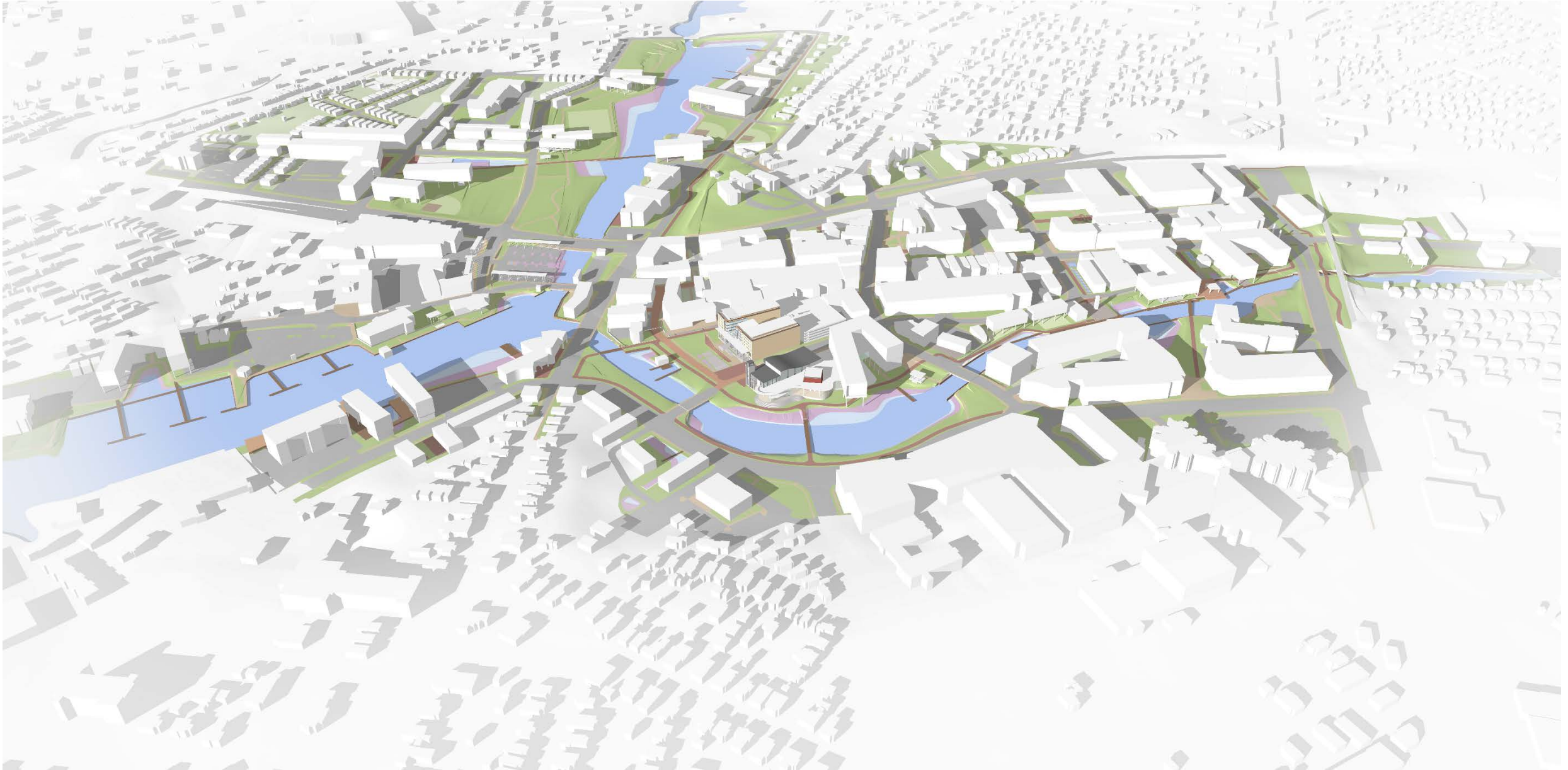


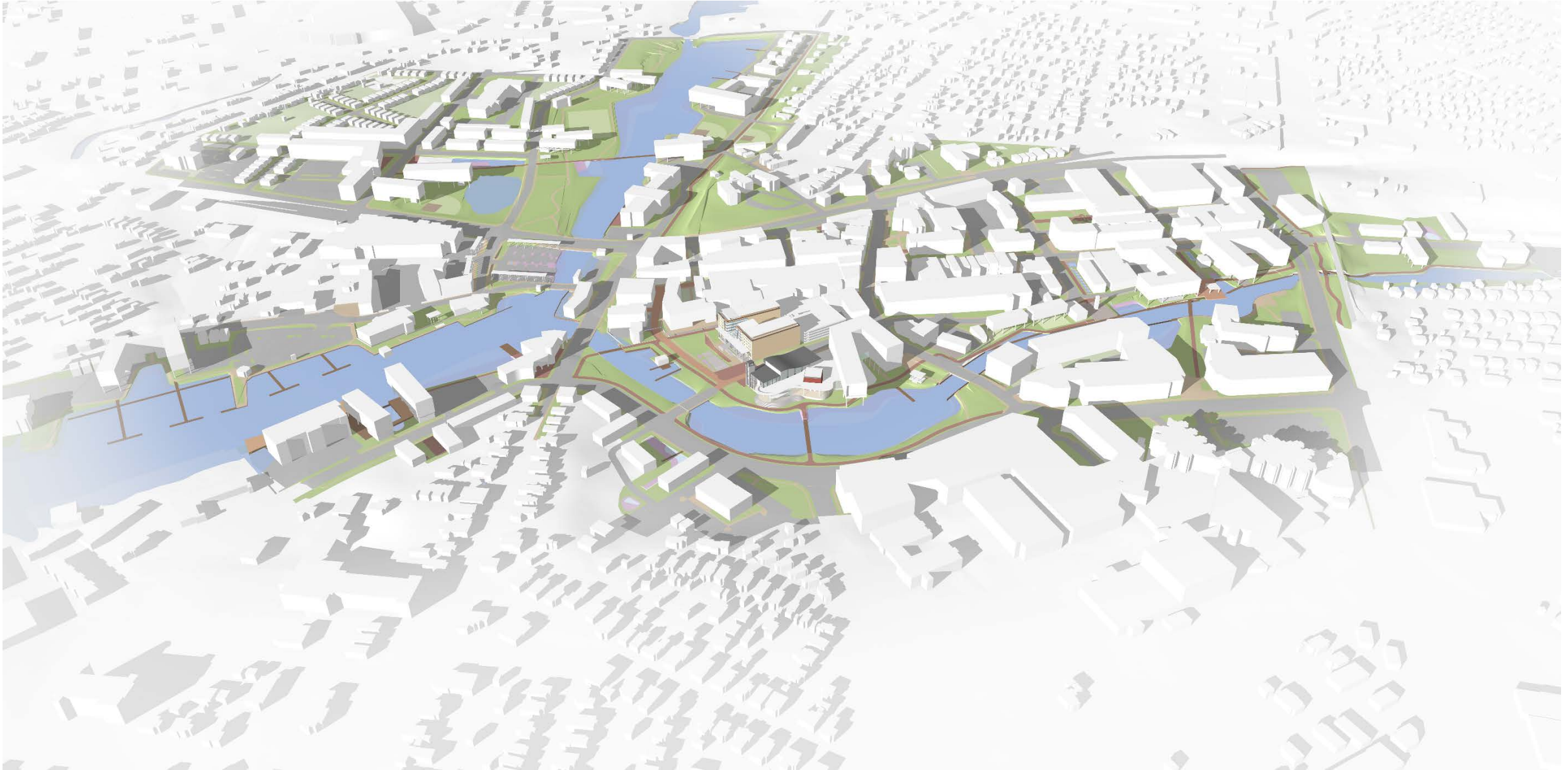
A PLAN FOR SALISBURY, MD

Urban design transformations in response to sea level rise



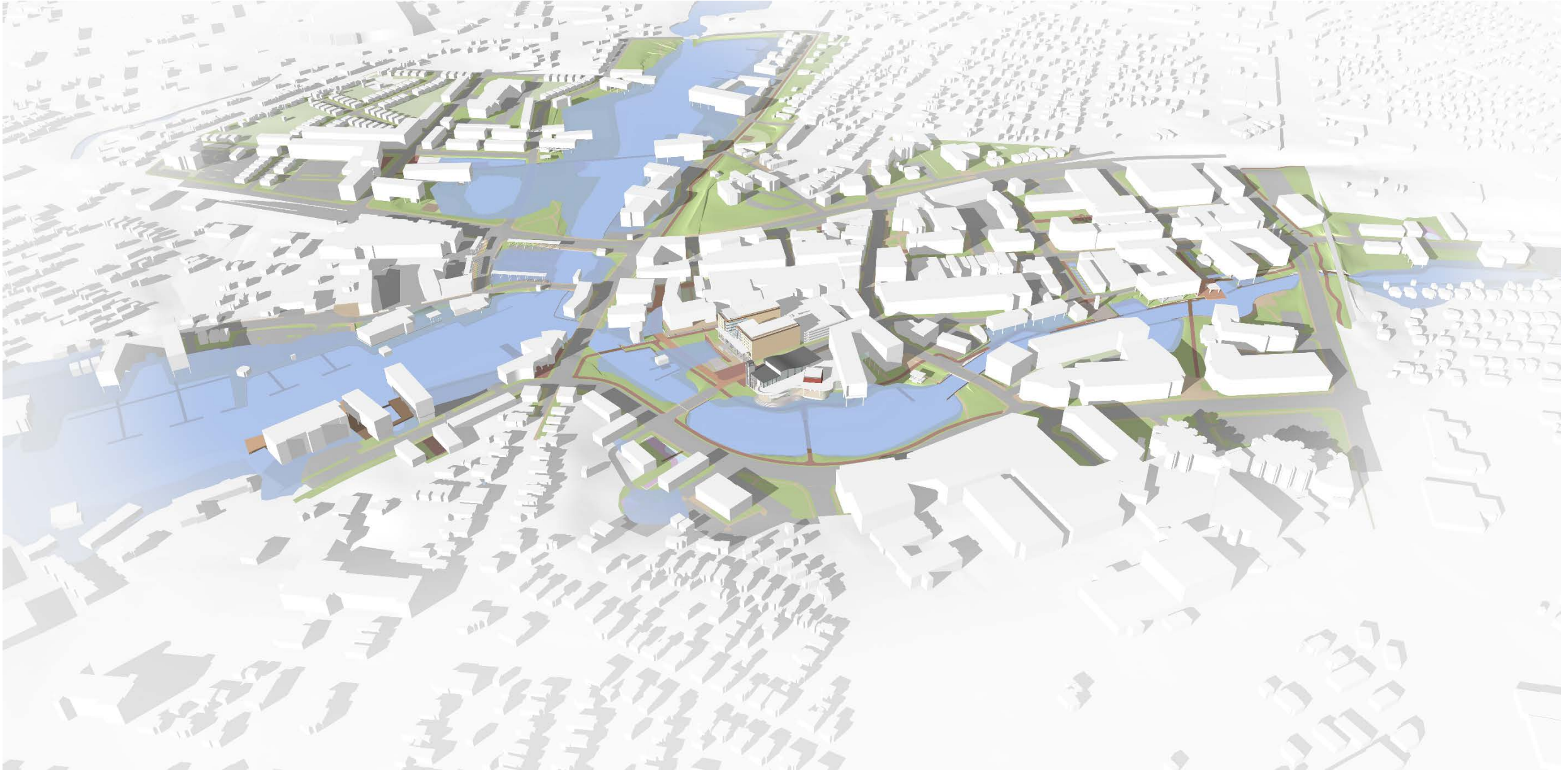
A PLAN FOR SALISBURY, MD

Urban design transformations in response to sea level rise



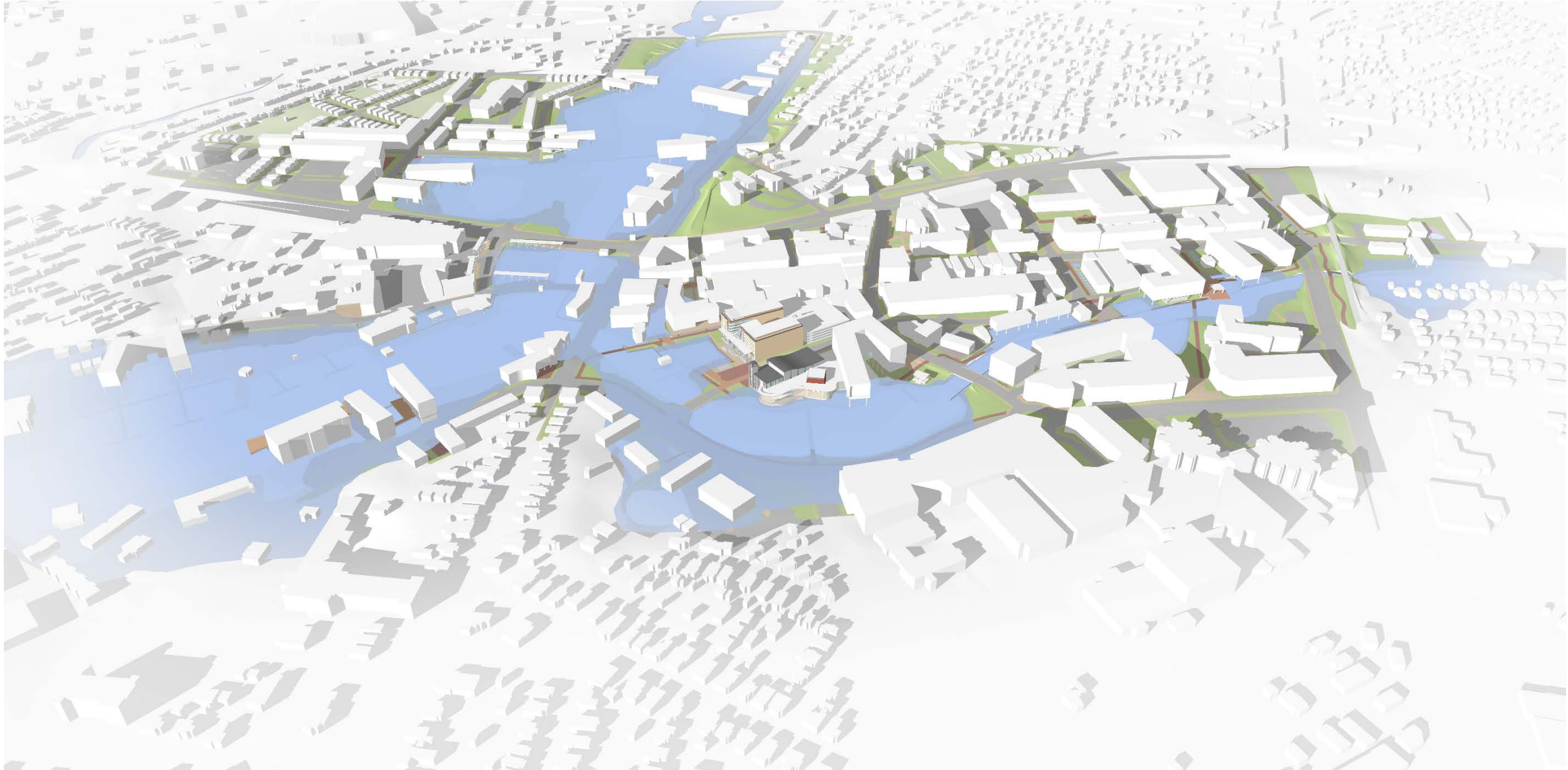
A PLAN FOR SALISBURY, MD

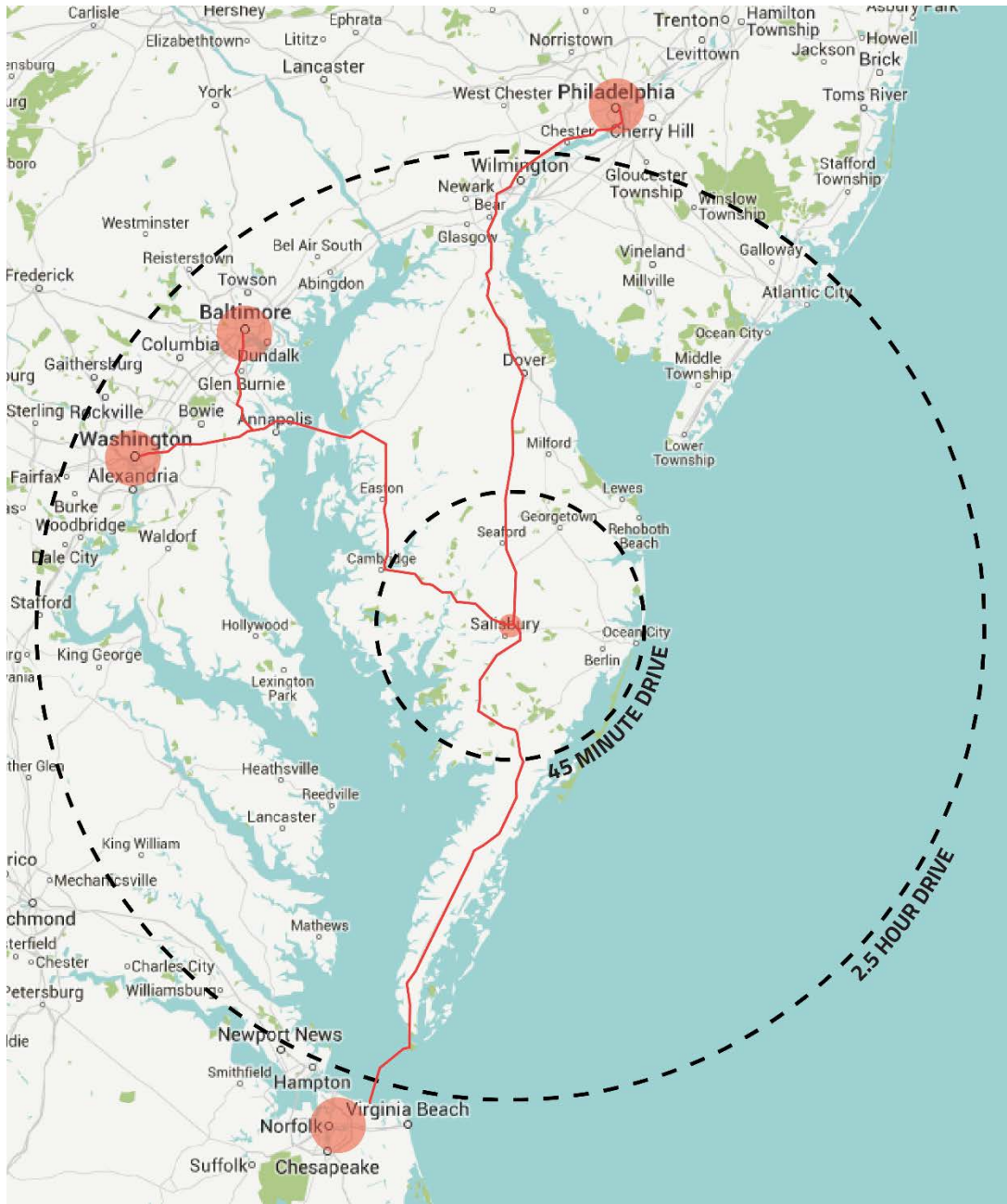
Urban design transformations in response to sea level rise



A PLAN FOR SALISBURY, MD

Urban design transformations in response to sea level rise



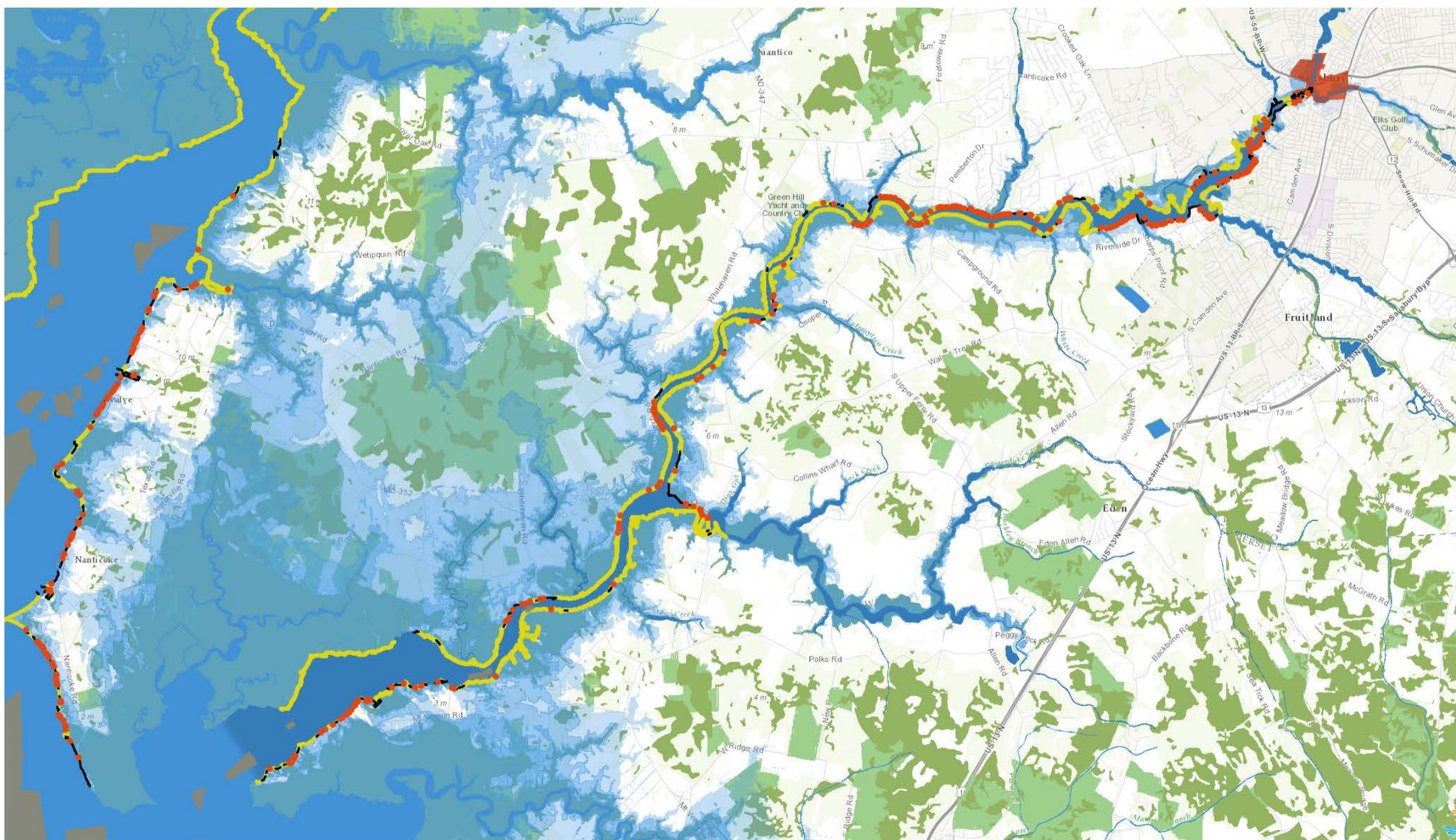


REGIONAL CONTEXT



LOCAL CONTEXT



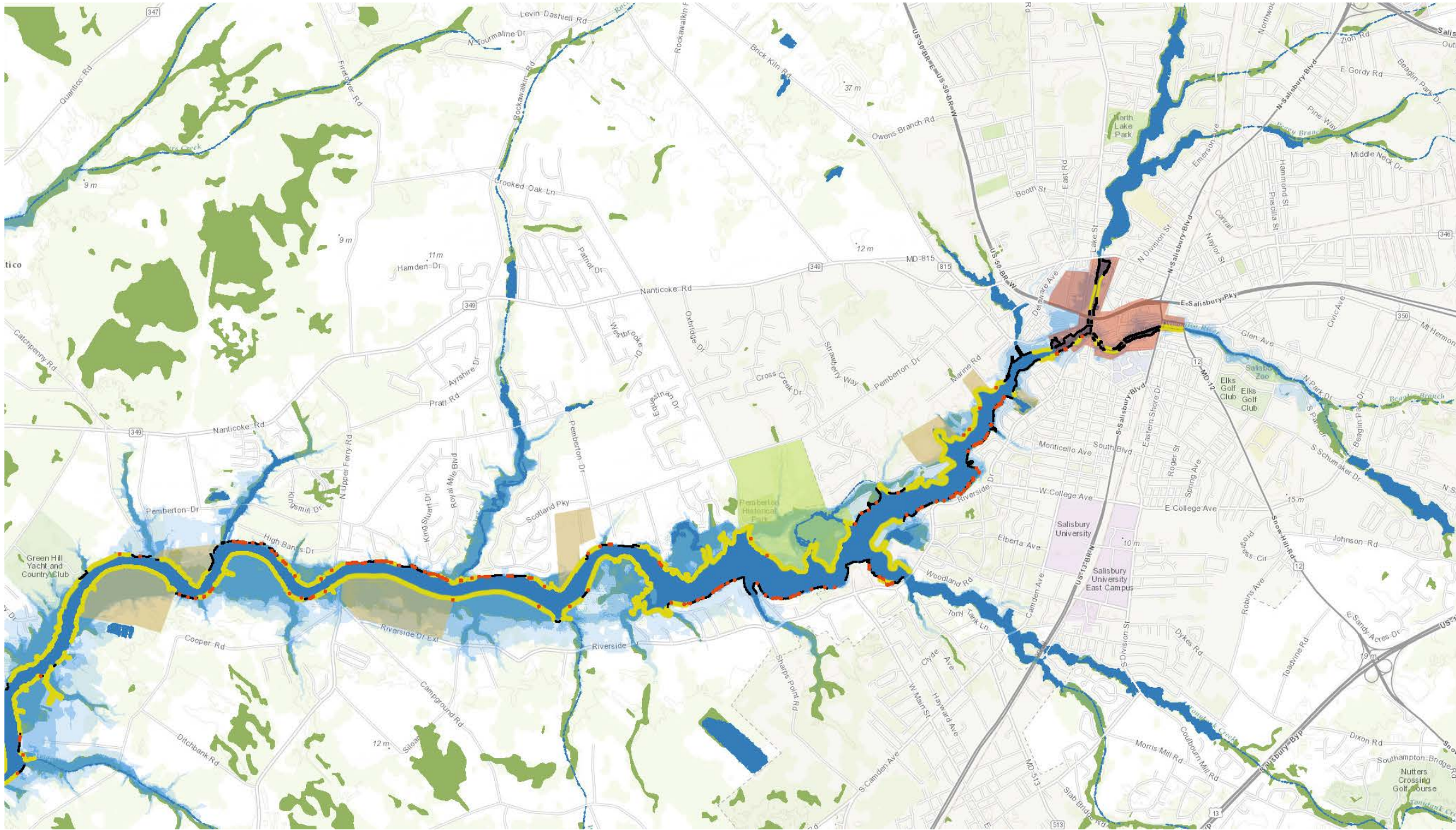




LOCAL ECOLOGY

Wicomico River – Wetlands & Water’s Edge Condition

Daniel Moreno-Holt **B6**



LOCAL ECOLOGY

Wicomico River – Synthesis Diagram

Daniel Moreno-Holt **B6**



SITE CONTEXT

Major Employers & Institutions

Daniel Moreno-Holt **B6**



DIAGRAMS

Area of Intervention

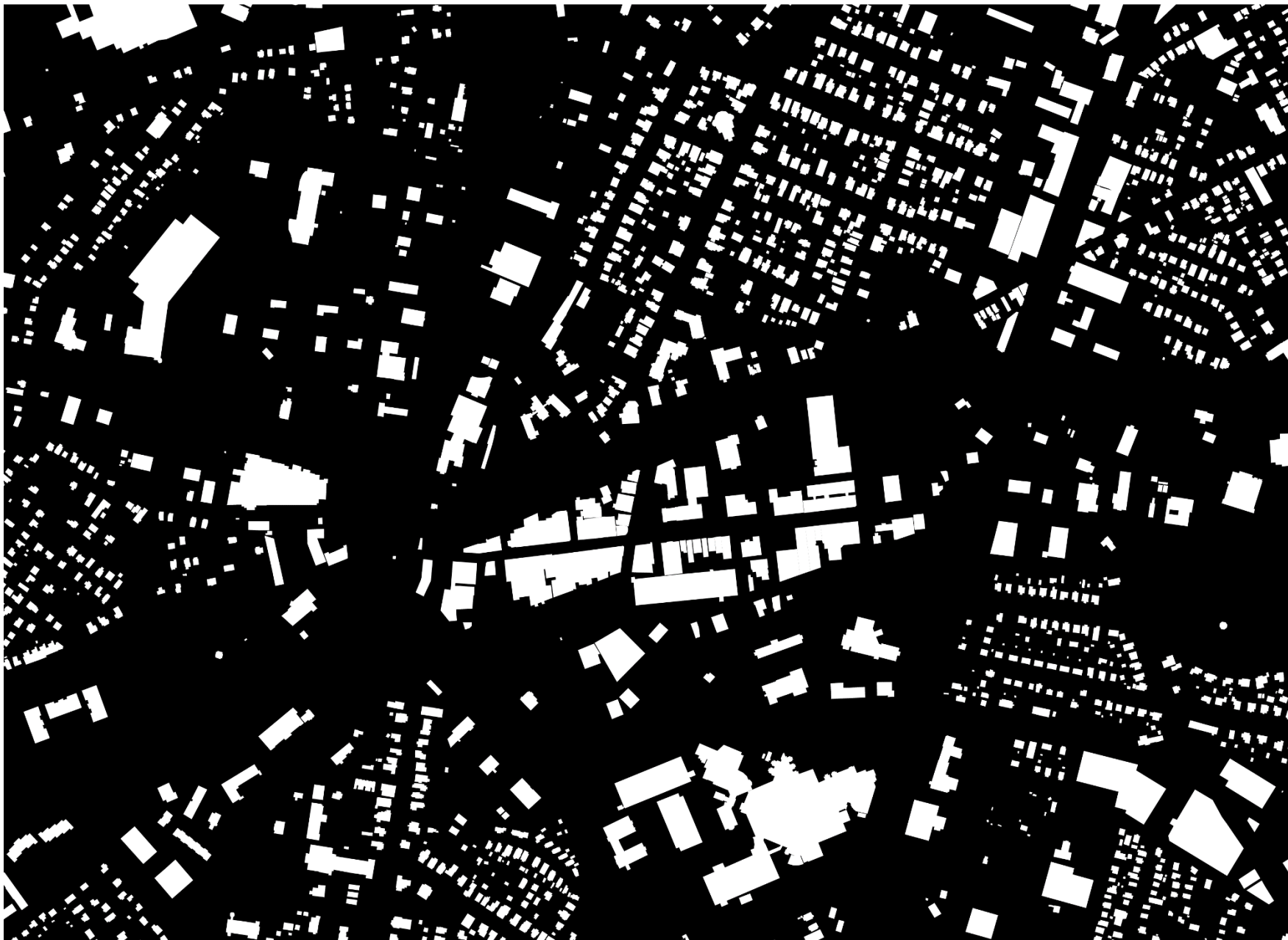
Daniel Moreno-Holt **B6**



DIAGRAMS

Figure Ground

Daniel Moreno-Holt **B6**



DIAGRAMS

Reverse Figure Ground

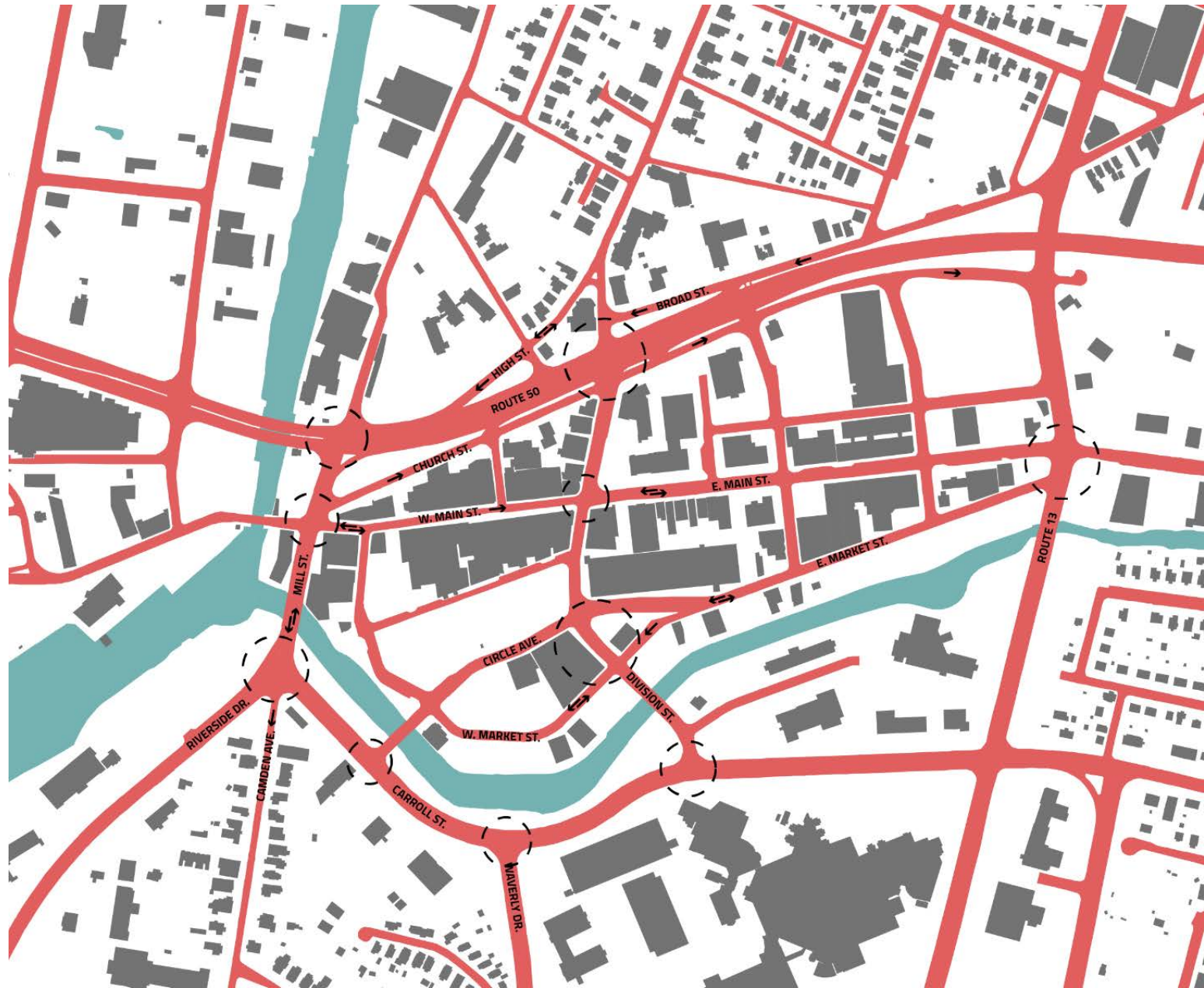
Daniel Moreno-Holt **B6**



DIAGRAMS

Street Network

Daniel Moreno-Holt **B6**





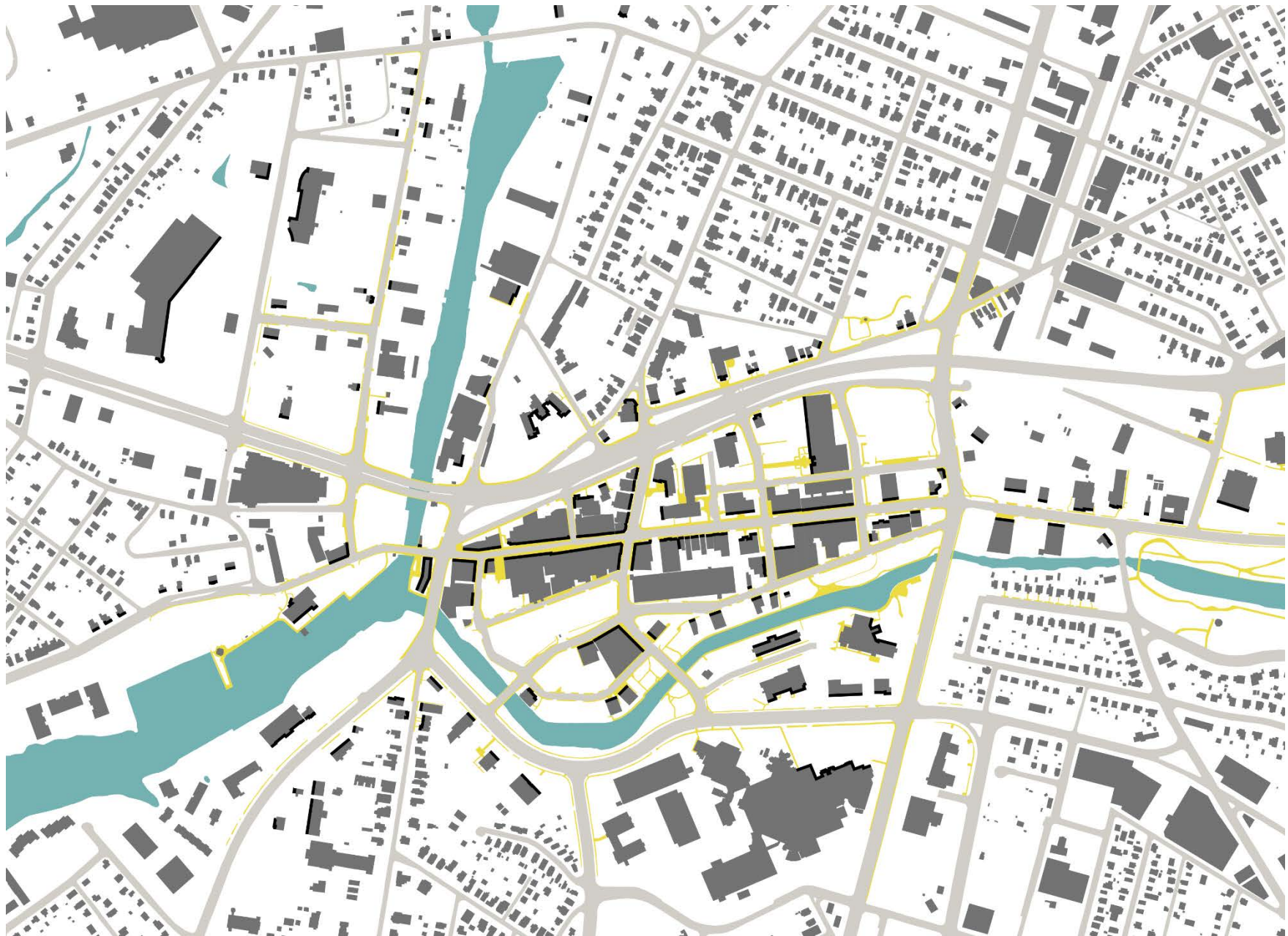
DIAGRAMS

AM Peak Traffic Counts

Daniel Moreno-Holt **B6**



- 0-150 Cars/Hr.
- 150-300 Cars/Hr.
- 300-500 Cars/Hr.
- 500-1,000 Cars/Hr.
- 1,000-2,000 Cars/Hr.



DIAGRAMS

Sidewalks & Building Frontages

Daniel Moreno-Holt **B6**

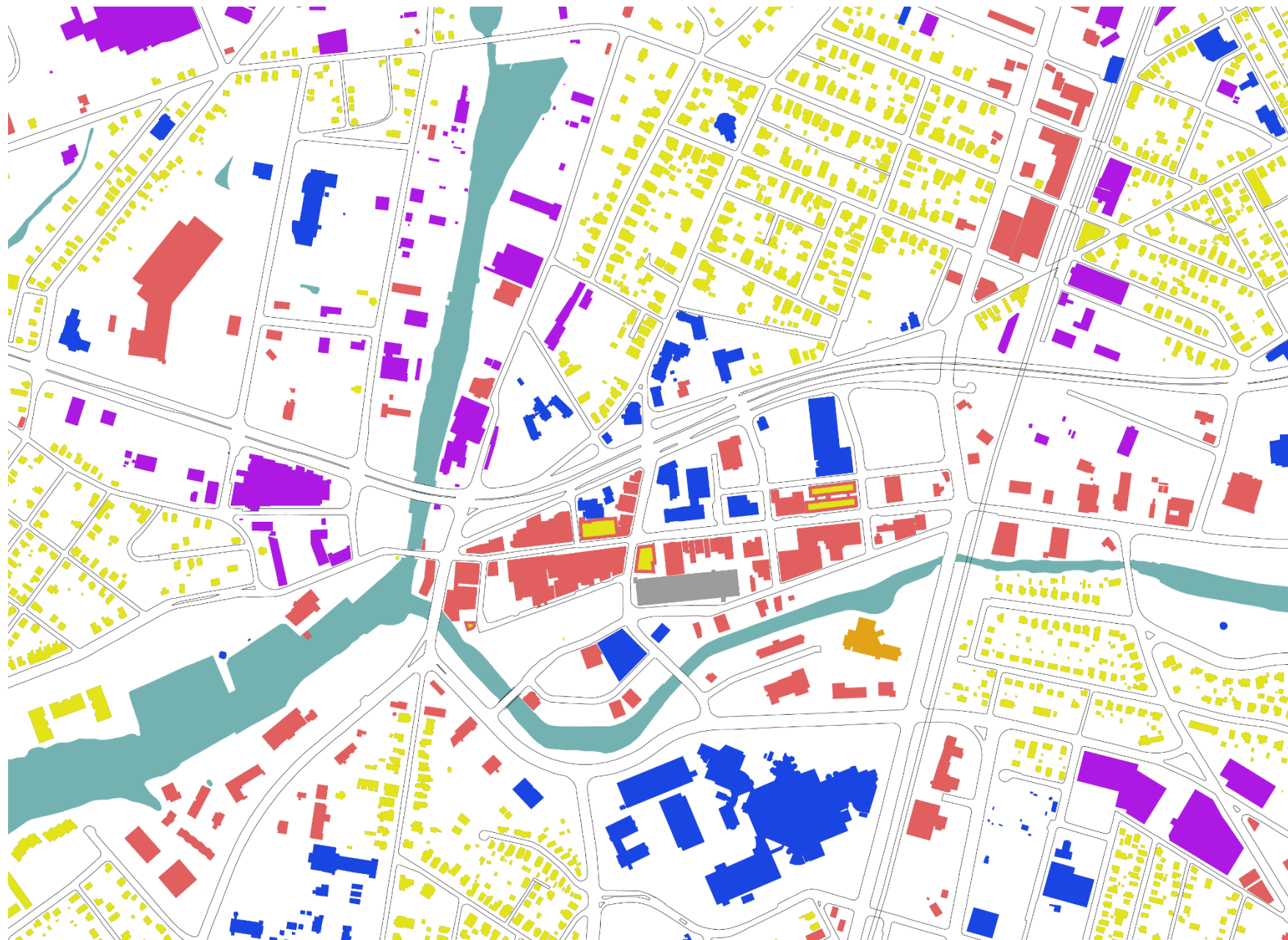


DIAGRAMS

Proposed & Existing Bike Lanes

- Shared Bike Lanes
- Dedicated Bike Lanes

Daniel Moreno-Holt **B6**



- Residential
- Commercial
- Civic/Institutional
- Industrial
- Hotel



DIAGRAMS

Impervious Surface

Daniel Moreno-Holt **B6**



DIAGRAMS

Impervious Surface

Daniel Moreno-Holt **B6**



DIAGRAMS

Pervious Surface

Daniel Moreno-Holt **B6**



DIAGRAMS

Green Space & Trees

Daniel Moreno-Holt **B6**



DIAGRAMS

Buildings & Trees

Daniel Moreno-Holt **B6**



DIAGRAMS

Utilities: Water

Daniel Moreno-Holt **B6**



DIAGRAMS

Utilities: Sanitary Sewer

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DIAGRAMS

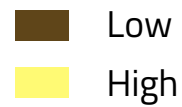
Utilities: Stormwater

Daniel Moreno-Holt **B6**

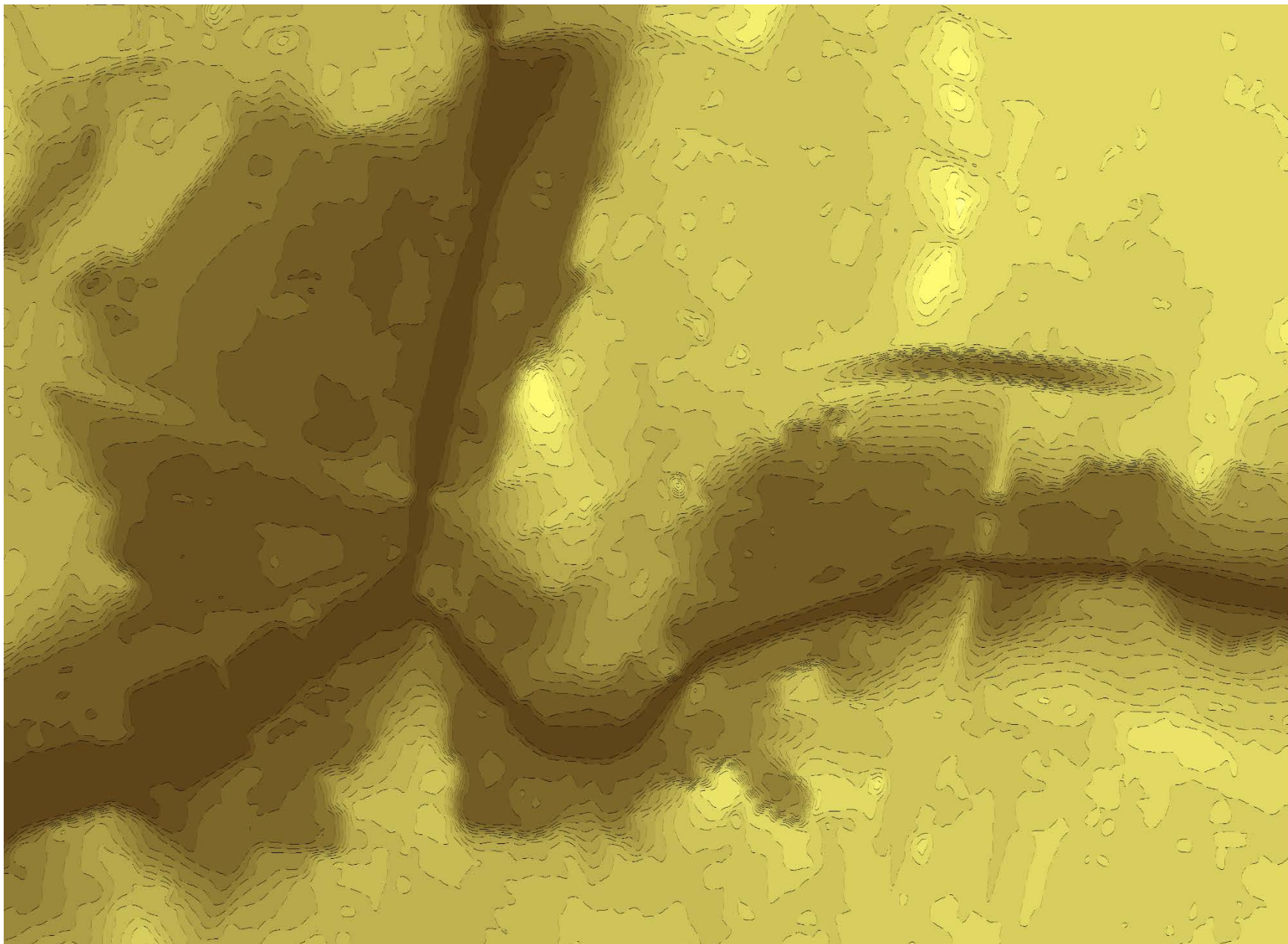


DIAGRAMS

Contours

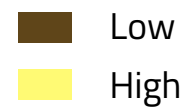


Daniel Moreno-Holt **B6**

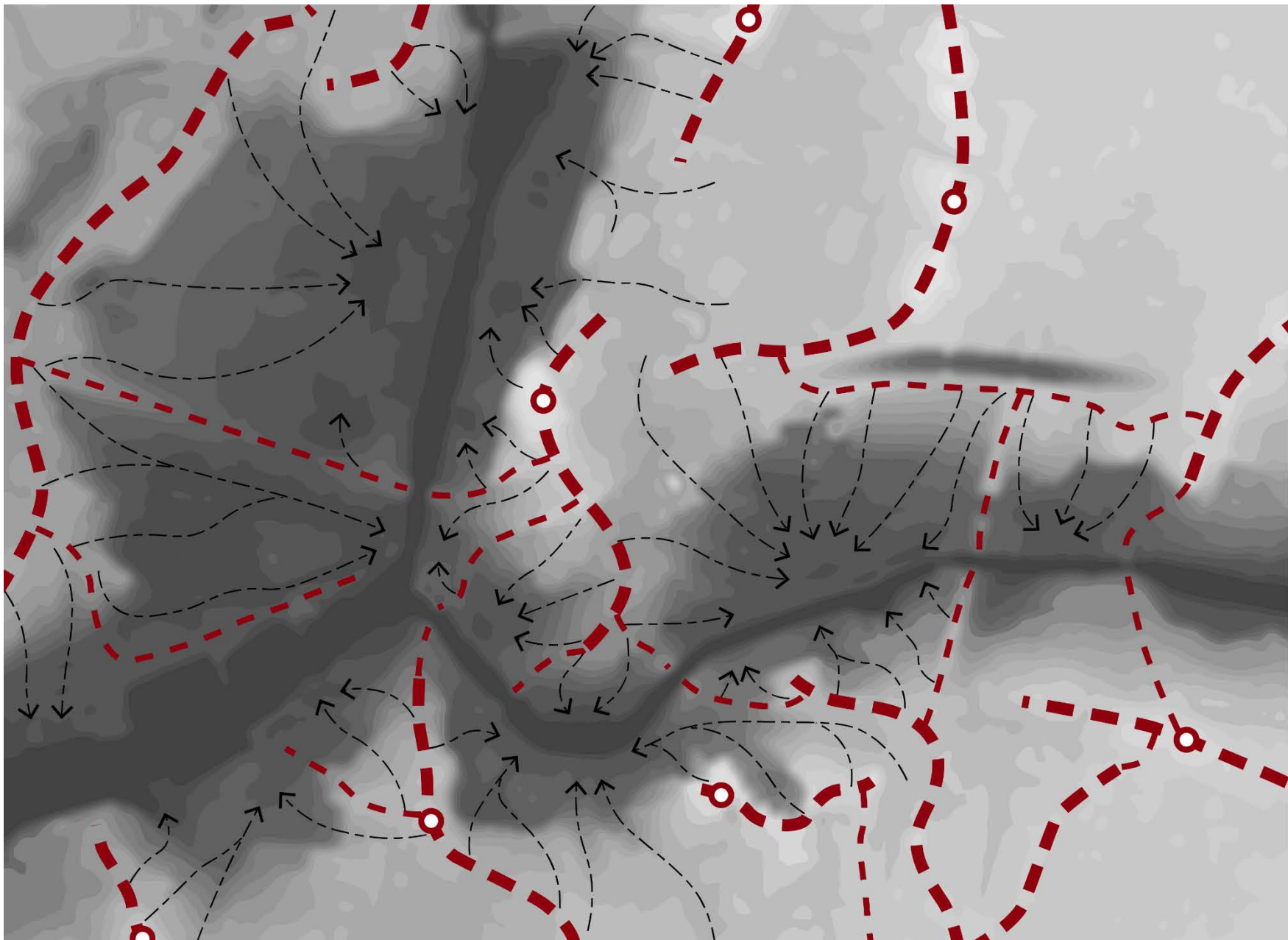


DIAGRAMS

Contours



Daniel Moreno-Holt **B6**



DIAGRAMS

Catchment Basins & Runoff

- Low
- High
- Ridges
- Runoff

Daniel Moreno-Holt **B6**

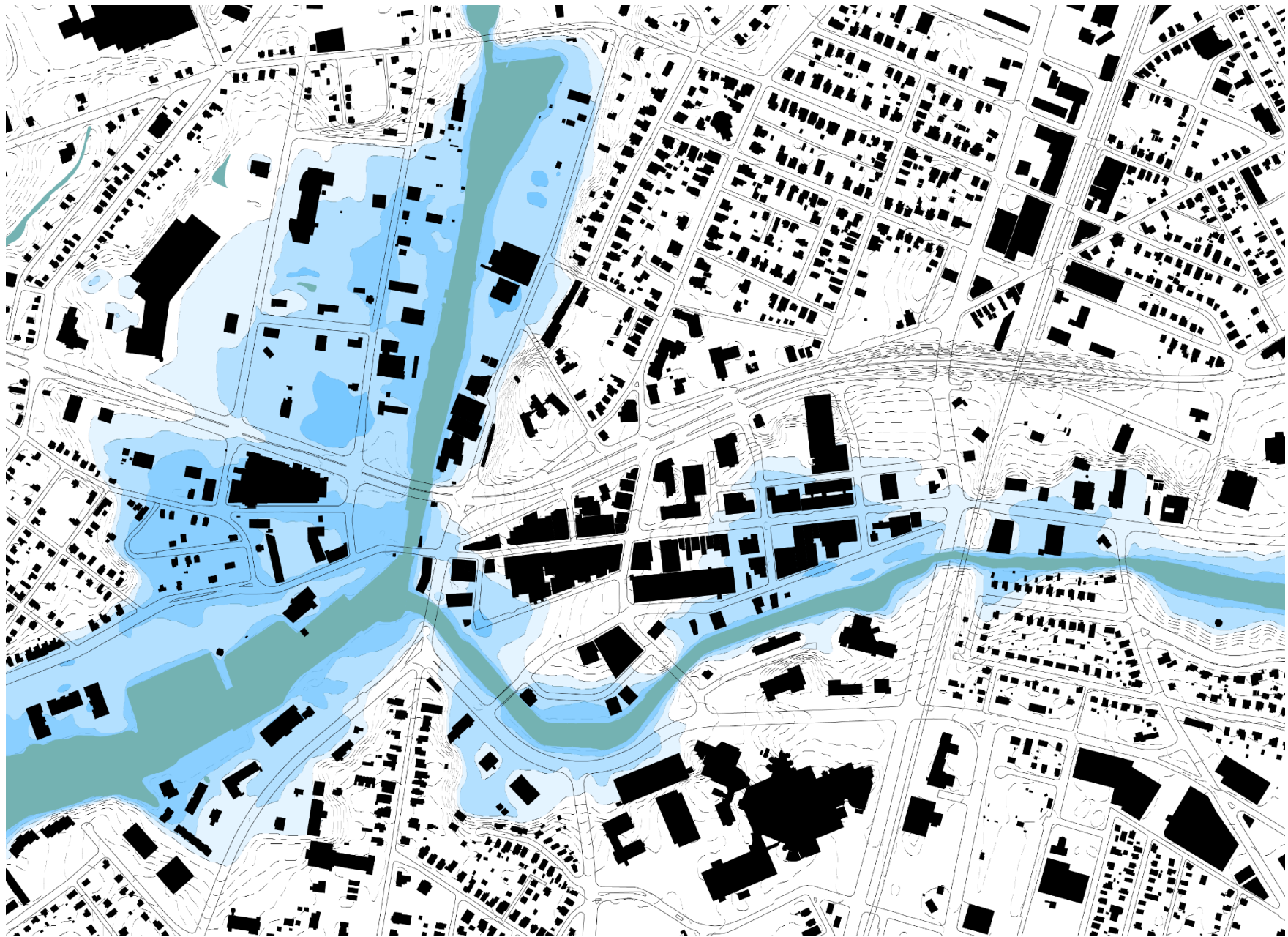


DIAGRAMS

FEMA Flood Map

- 100 Year Flood
- 500 Year Flood

Daniel Moreno-Holt **B6**

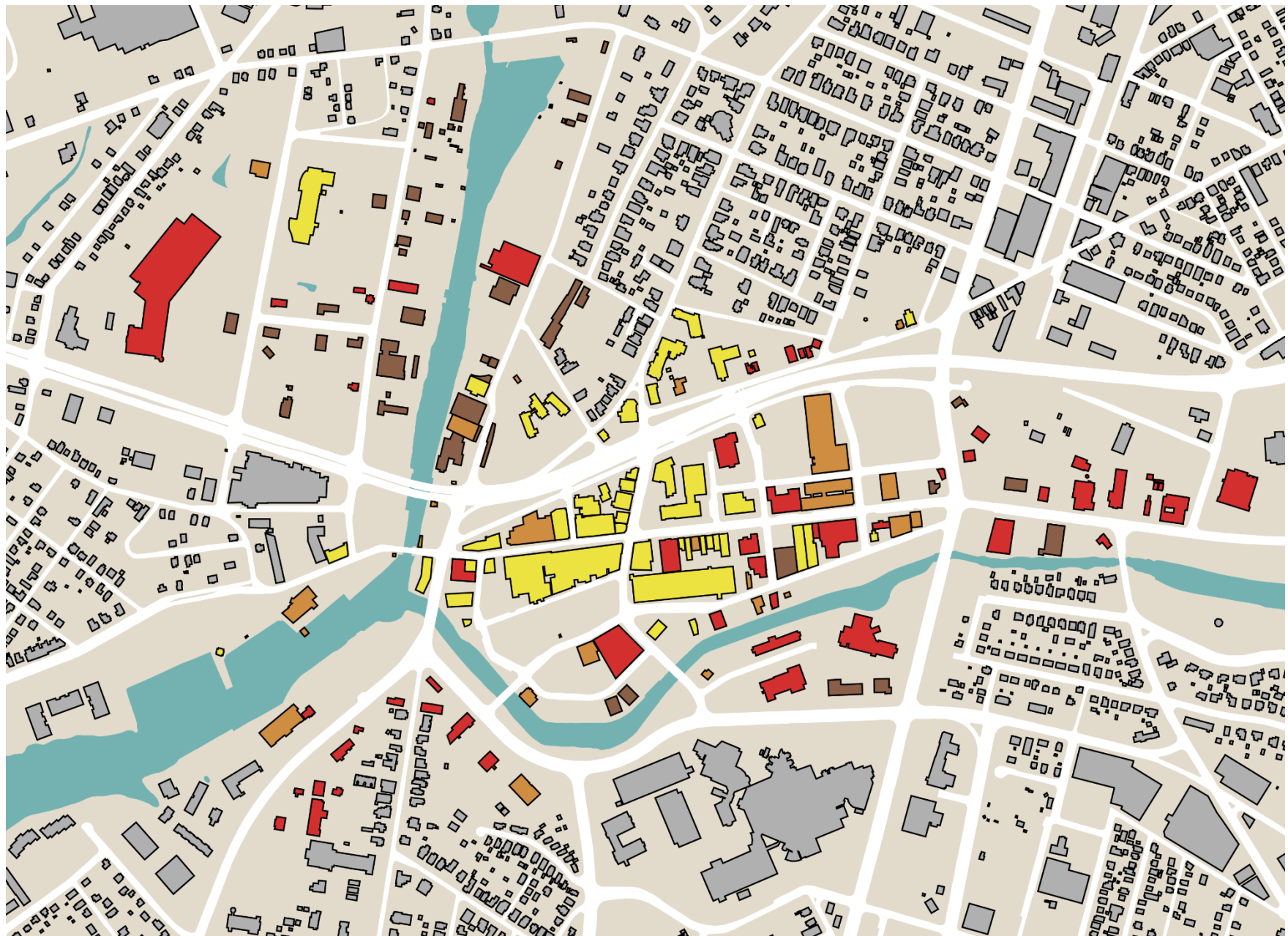


DIAGRAMS

Sea Level Rise Sensitivity

- 3' Sea Rise
- 6' Sea Rise
- 8' Sea Rise

Daniel Moreno-Holt **B6**



DIAGRAMS

Opportunities for Redevelopment

Daniel Moreno-Holt **B6**



DIAGRAMS

Opportunities for Redevelopment

Daniel Moreno-Holt **B6**

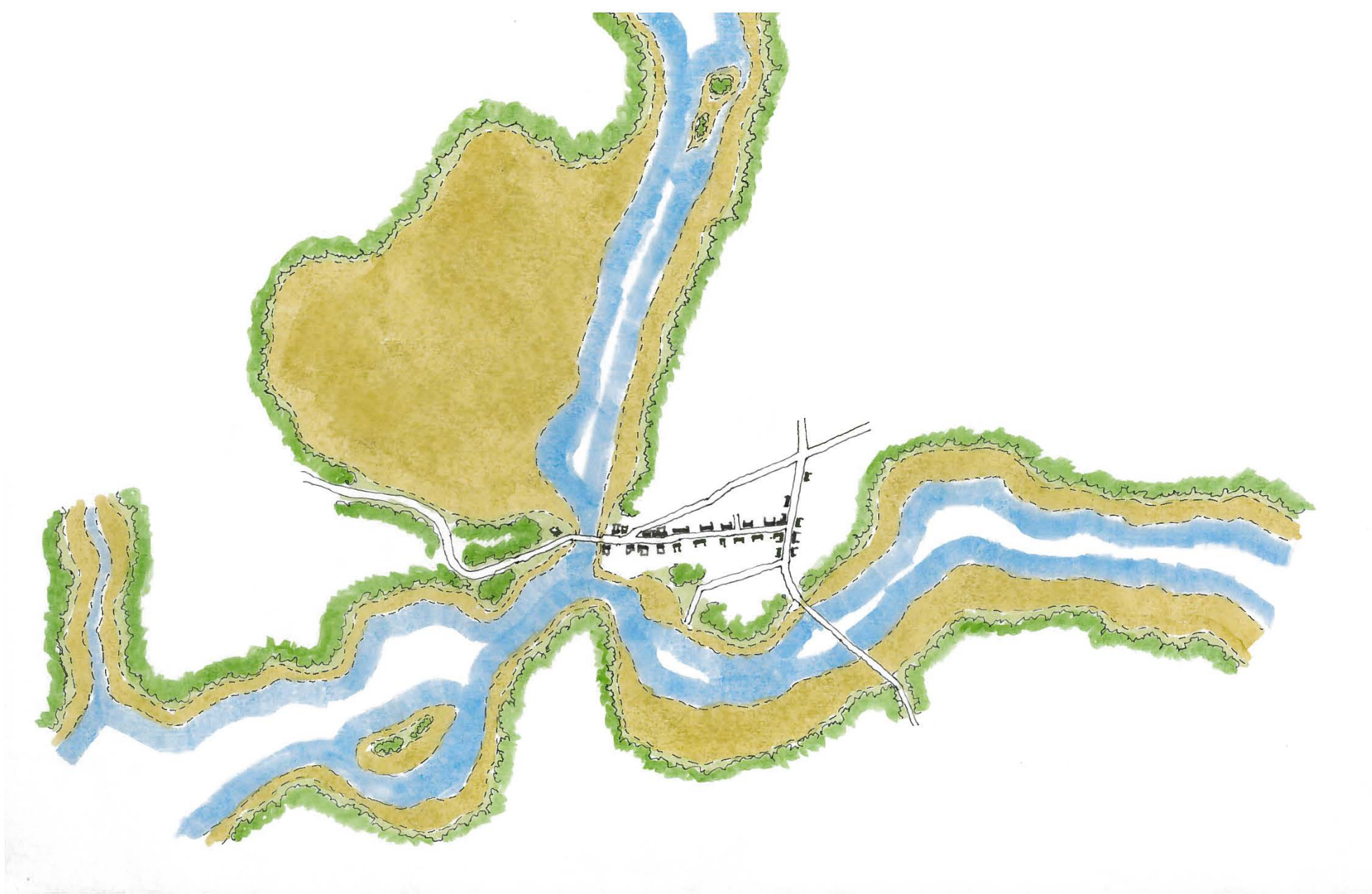


DIAGRAMS

Opportunities for Redevelopment

Daniel Moreno-Holt **B6**





DIAGRAMS

Water's Edge – 1750s

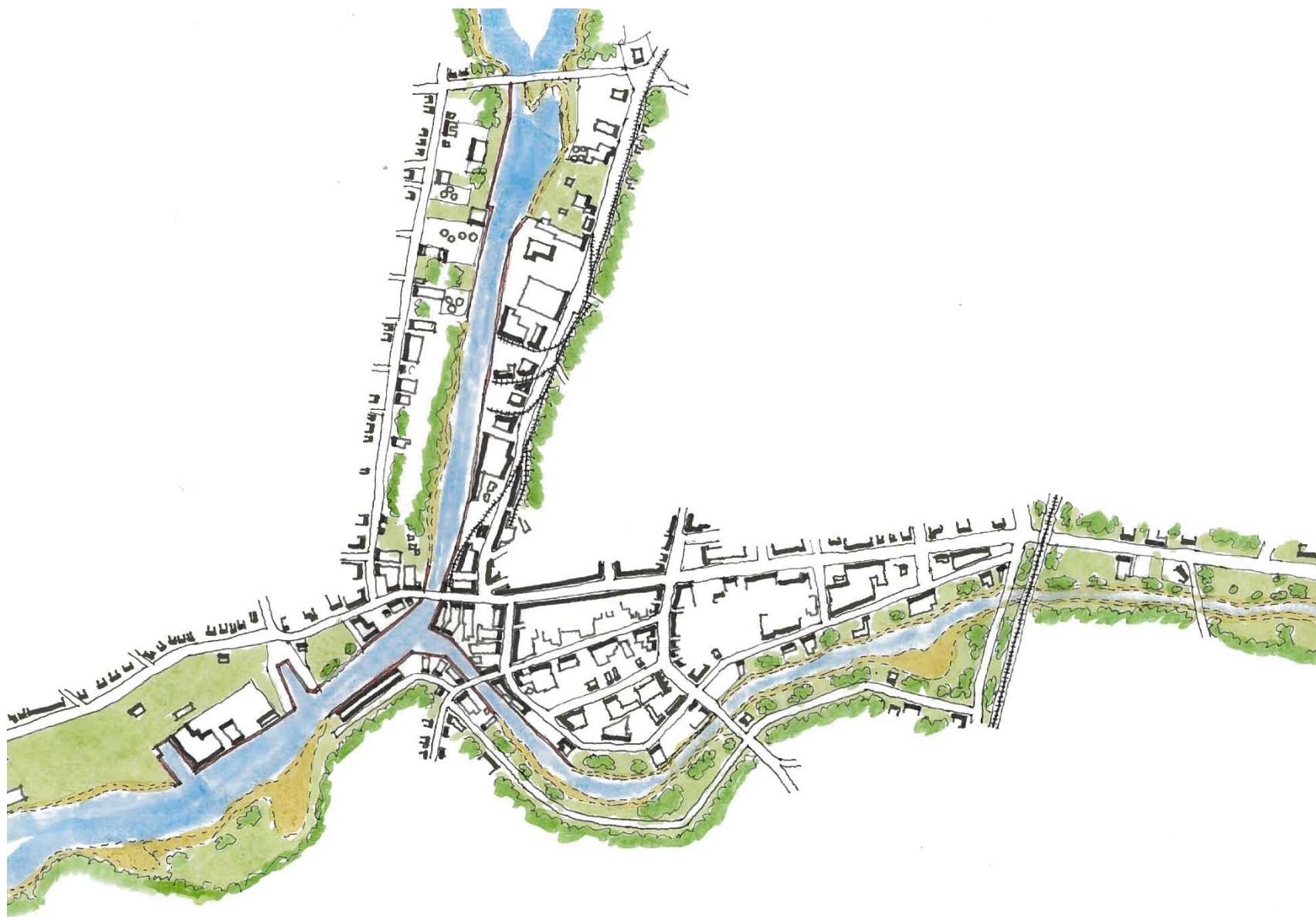
Daniel Moreno-Holt **B6**



DIAGRAMS

Water's Edge – 1877

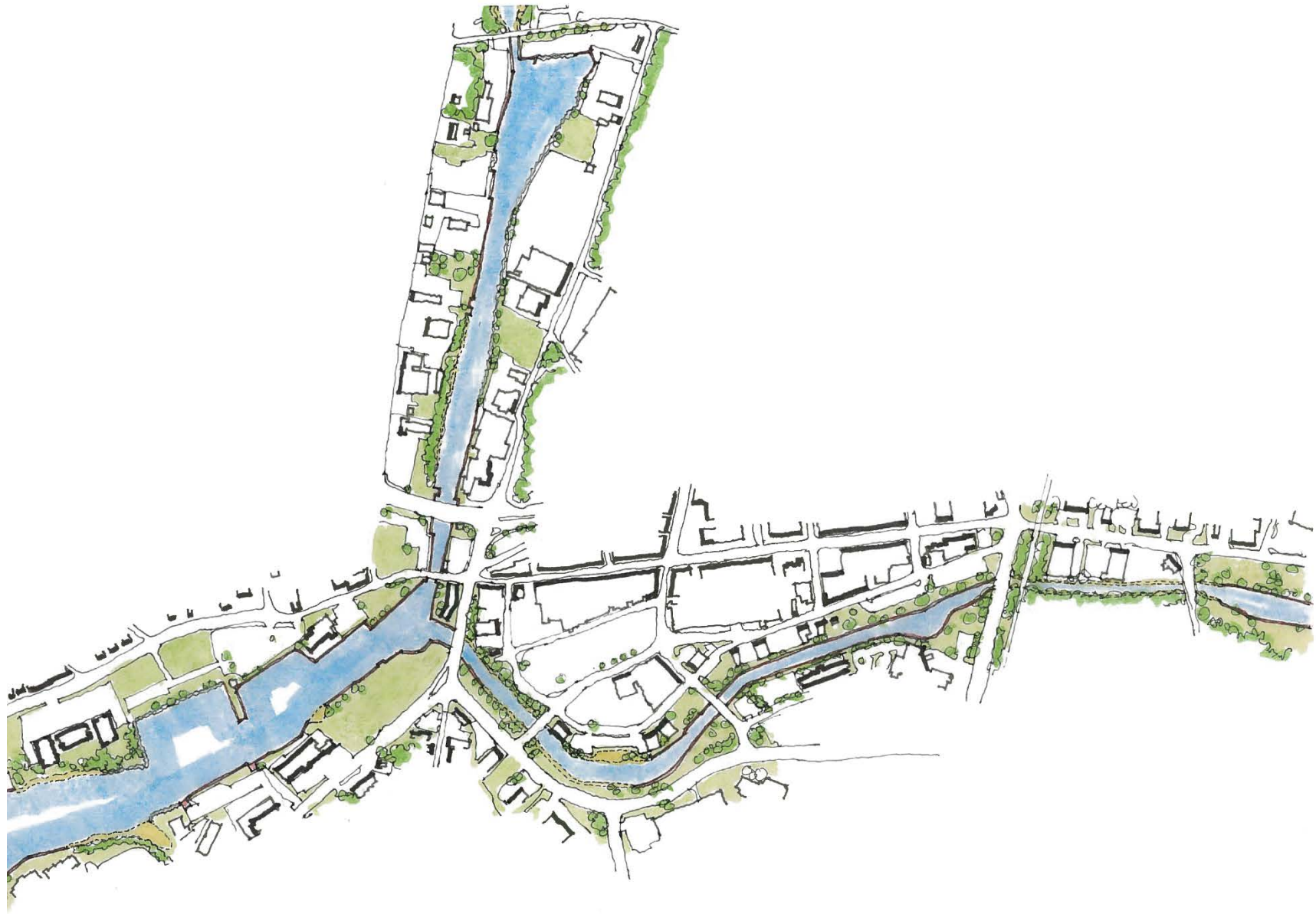
Daniel Moreno-Holt **B6**



DIAGRAMS

Water's Edge – 1931

Daniel Moreno-Holt **B6**

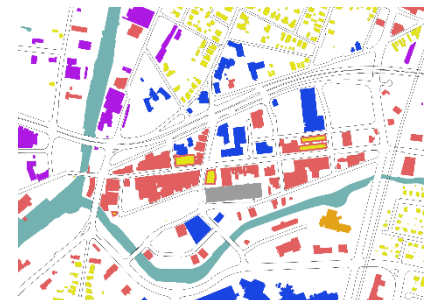
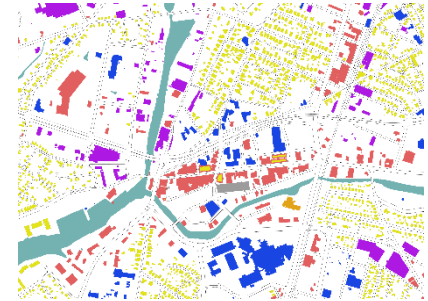
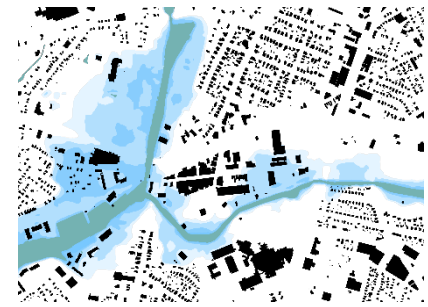


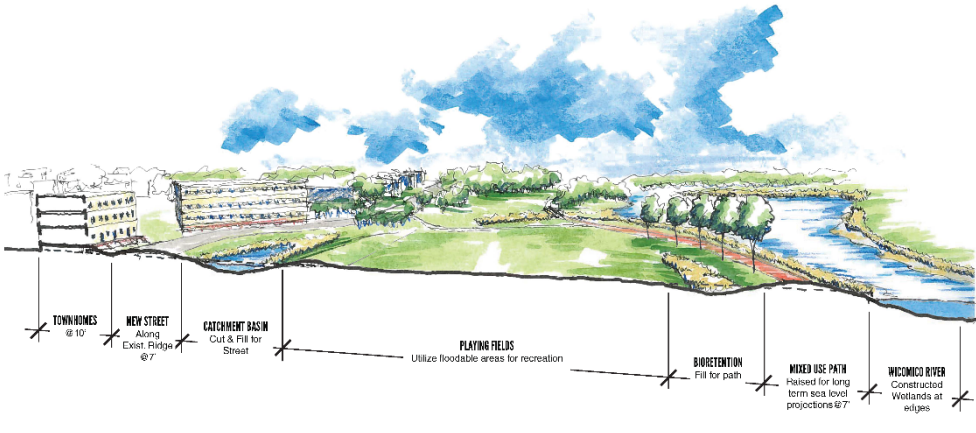
Develop transformative responses to sea level rise

Utilize downtown assets to develop distinct neighborhoods

Reshape downtown arteries to improve connectivity

Create a 24/7 civic hub for downtown

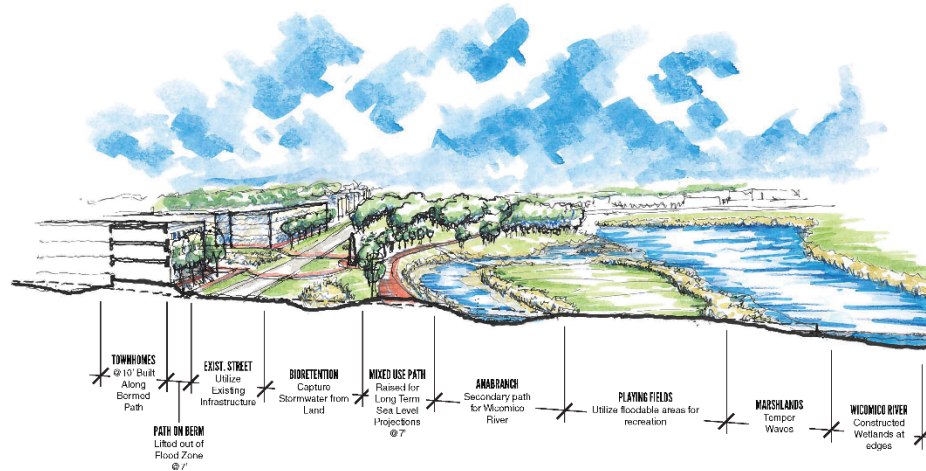




Option 1 North Prong

Current Sea Level

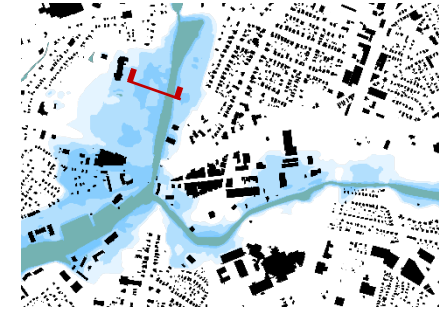
B3 Daniel Moreno-Holt



Option 2 North Prong

Current Sea Level

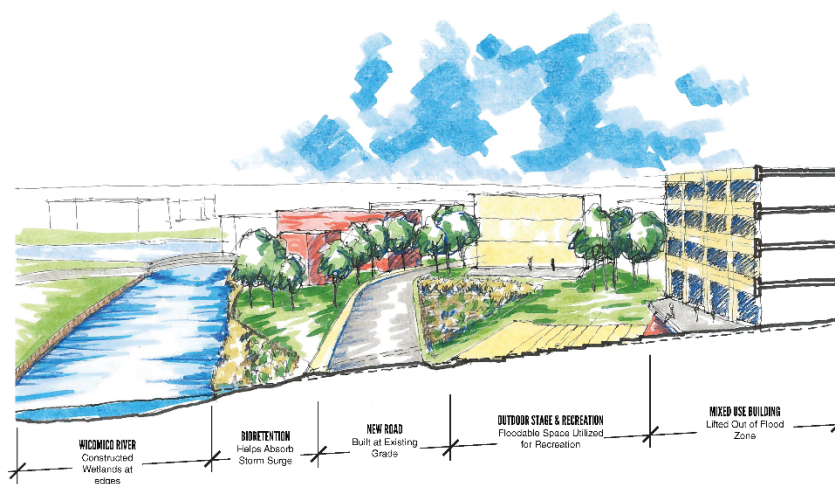
B3 Daniel Moreno-Holt



Option 1 South Prong 2

Current Sea Level

B3 Daniel Moreno-Holt



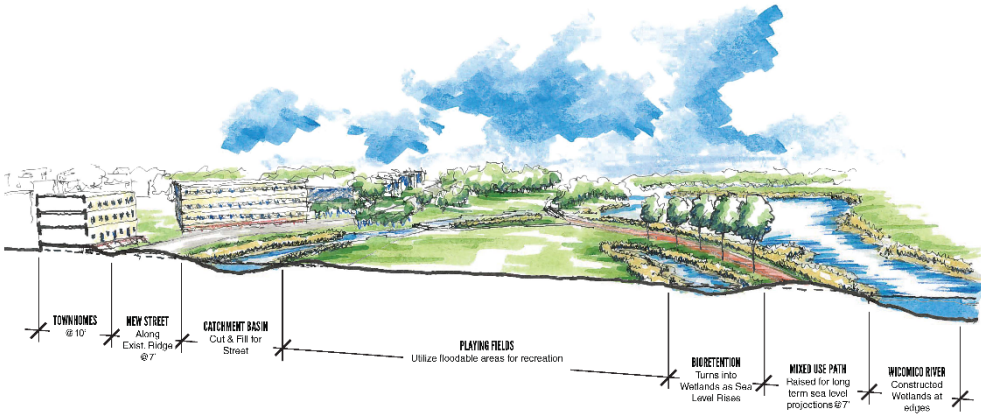
Option 2 South Prong 2

Current Sea Level

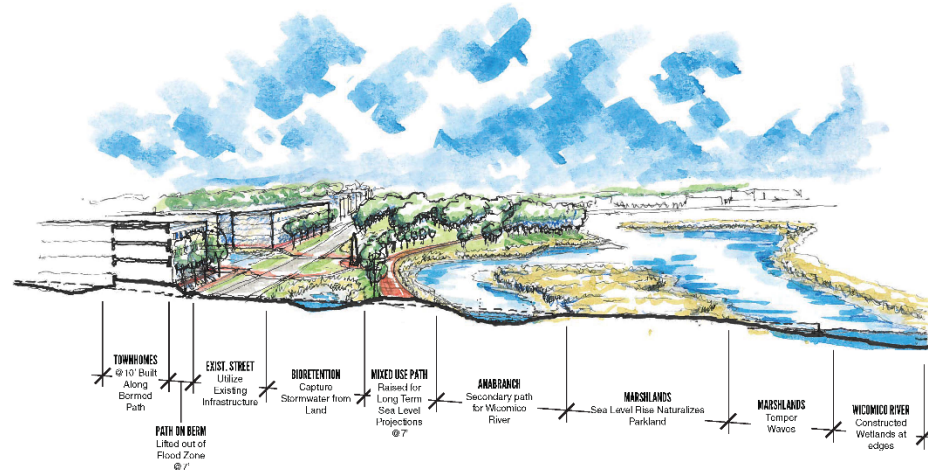
B3 Daniel Moreno-Holt



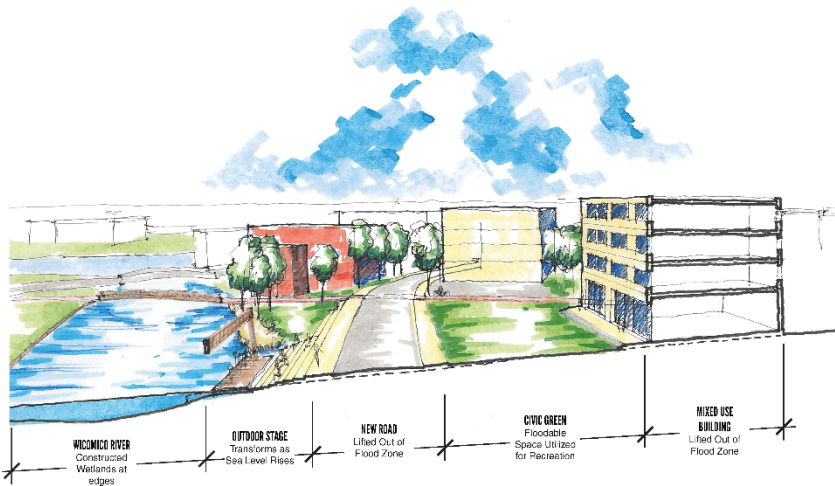
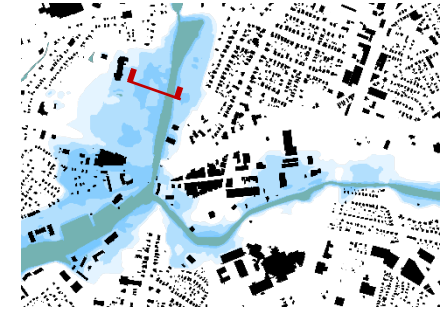
SEA RISE SECTIONS



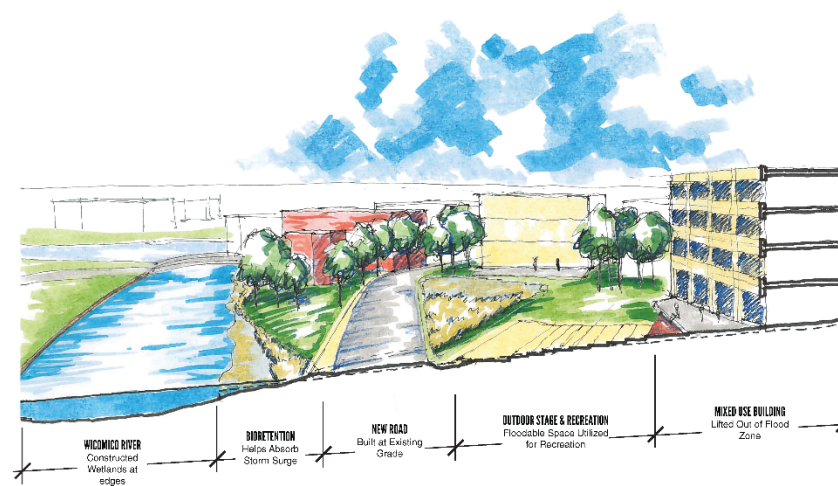
Option 1 North Prong **3'** - Low Estimate for Sea Level Rise/50 Years **B3** Daniel Moreno-Holt



Option 2 North Prong **3'** - Low Estimate for Sea Level Rise/50 Years **B3** Daniel Moreno-Holt



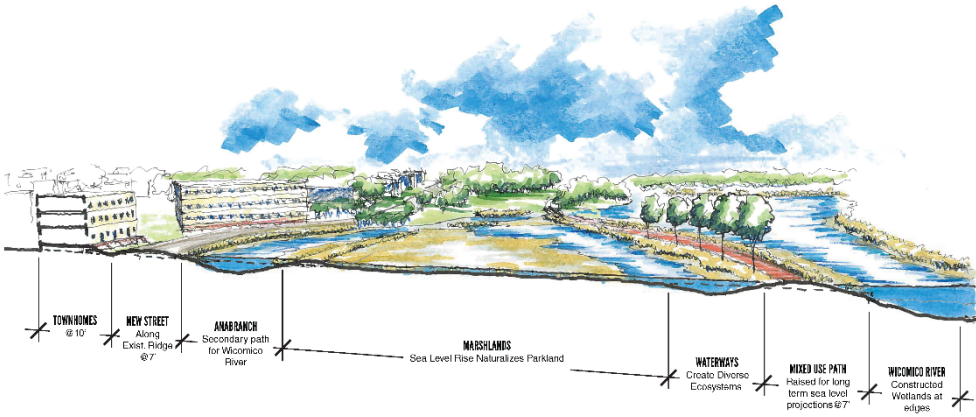
Option 1 South Prong 2 **3'** - Low Estimate for Sea Level Rise/50 Years **B3** Daniel Moreno-Holt



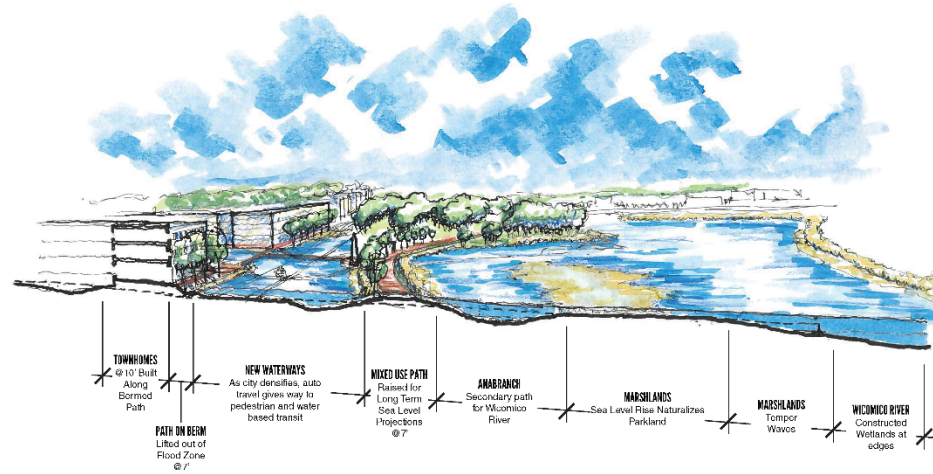
Option 1 South Prong 2 **3'** - Low Estimate for Sea Level Rise/50 Years **B3** Daniel Moreno-Holt



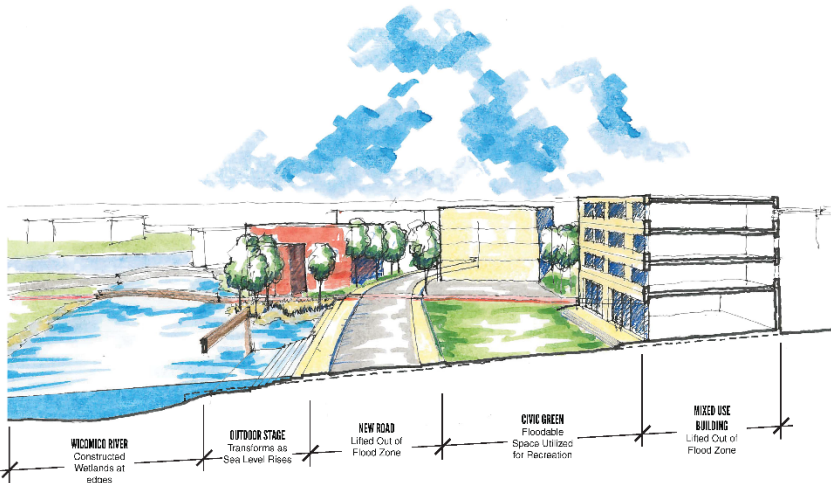
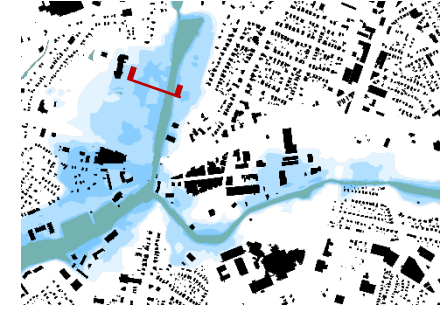
SEA RISE SECTIONS



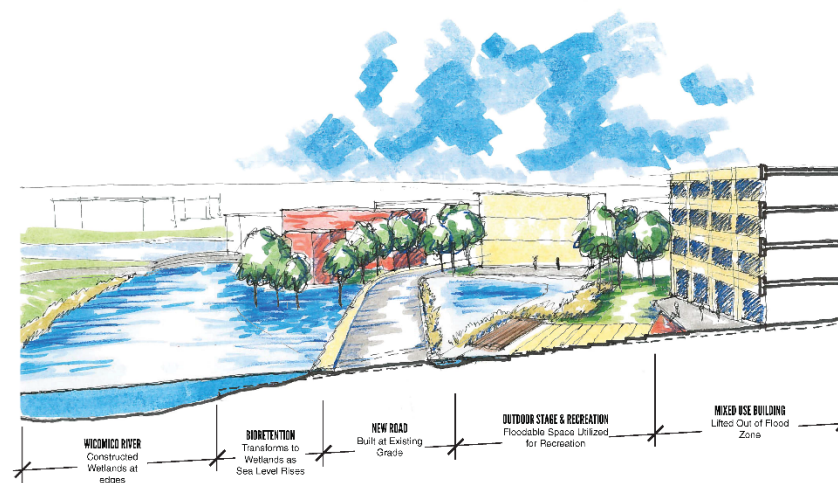
Option 1 North Prong 6' - High Estimate for Sea Level Rise/100 Years B3 Daniel Moreno-Holt



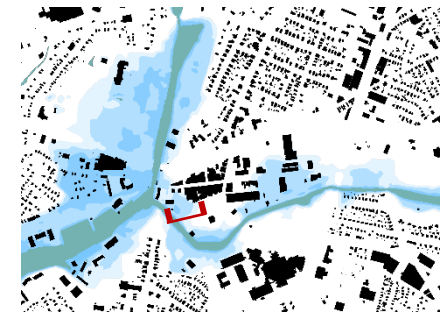
Option 2 North Prong 6' - High Estimate for Sea Level Rise/100 Years B3 Daniel Moreno-Holt



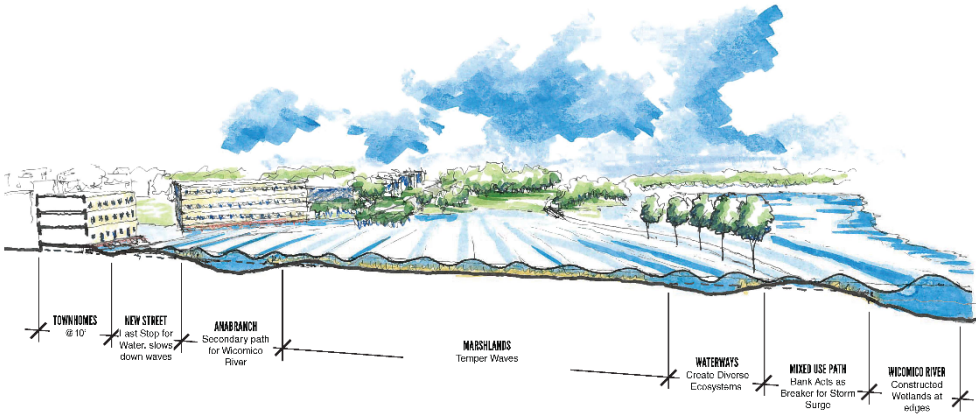
Option 1 South Prong 2 6' - High Estimate for Sea Level Rise/100 Years B3 Daniel Moreno-Holt



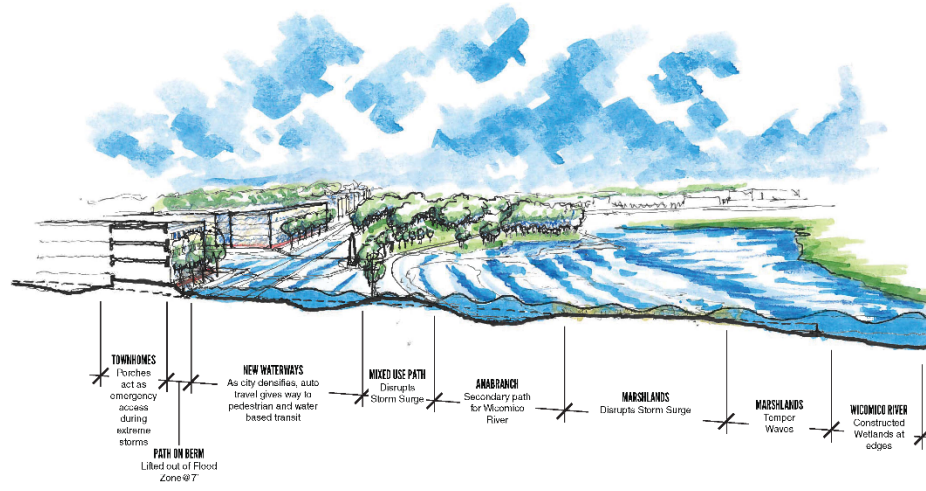
Option 1 South Prong 2 6' - High Estimate for Sea Level Rise/100 Years B3 Daniel Moreno-Holt



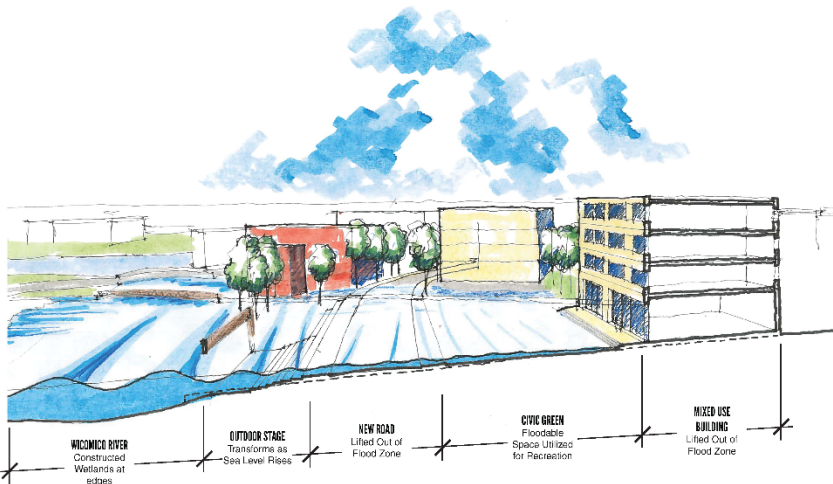
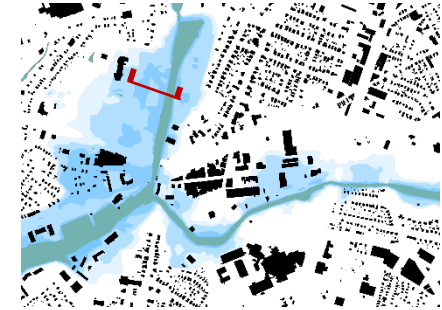
SEA RISE SECTIONS



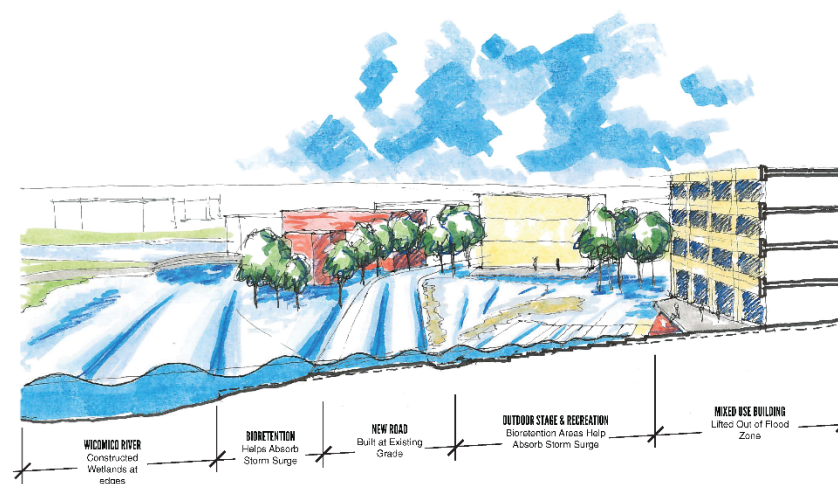
Option 1 North Prong **9'** - Long Term Storm Surge/Worse Case Scenario **B3** Daniel Moreno-Holt



Option 2 North Prong **9'** - Long Term Storm Surge/Worse Case Scenario **B3** Daniel Moreno-Holt



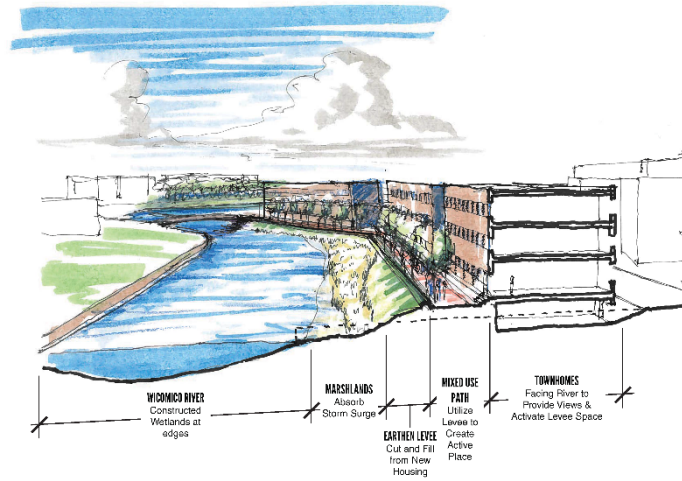
Option 1 South Prong 2 **9'** - Long Term Storm Surge/Worse Case Scenario **B3** Daniel Moreno-Holt



Option 1 South Prong 2 **9'** - Long Term Storm Surge/Worse Case Scenario **B3** Daniel Moreno-Holt



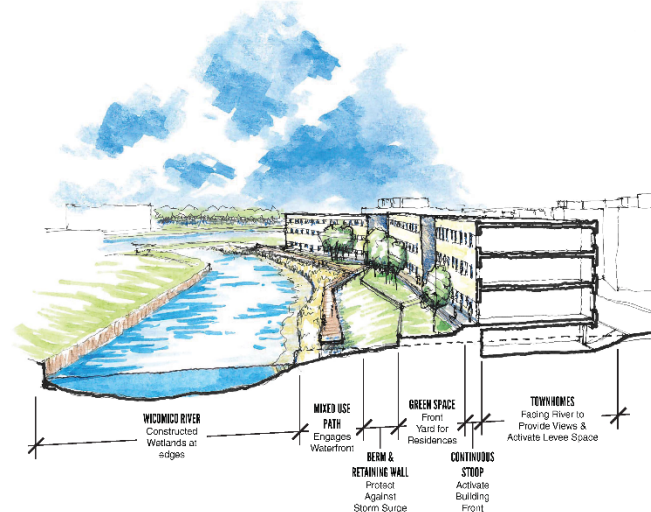
SEA RISE SECTIONS



Option 1 South Prong 1

Current Sea Level

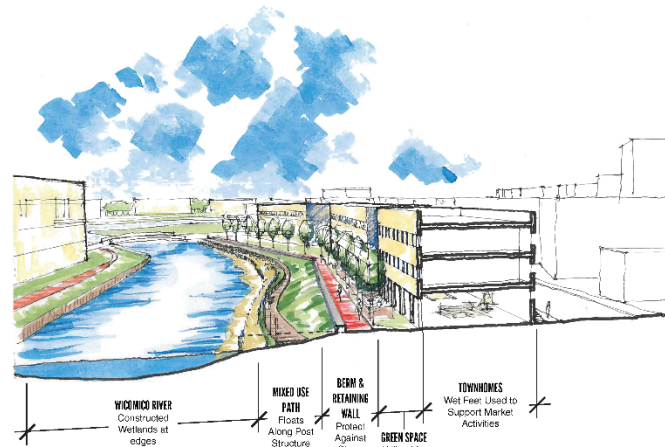
B3 Daniel Moreno-Holt



Option 2 South Prong 1

Current Sea Level

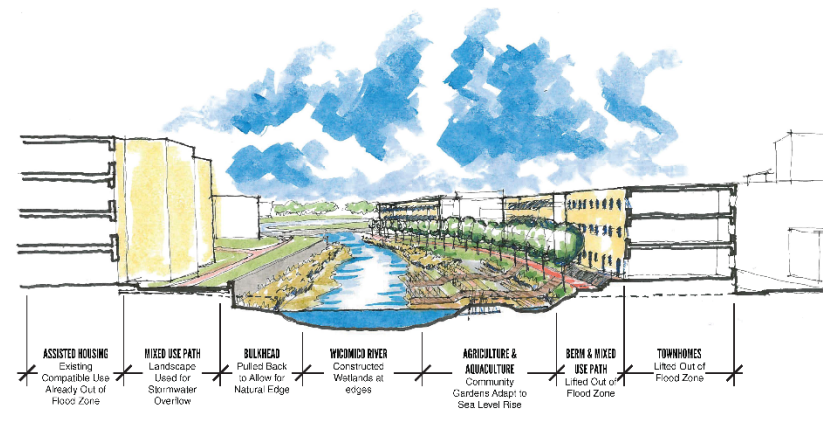
B3 Daniel Moreno-Holt



Option 3 South Prong 1

Current Sea Level

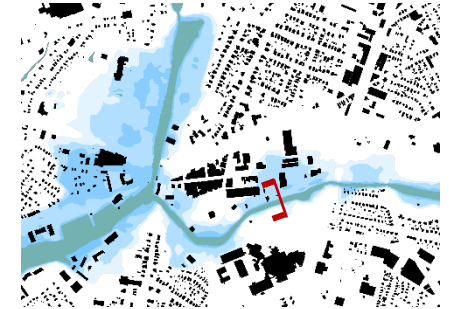
B3 Daniel Moreno-Holt



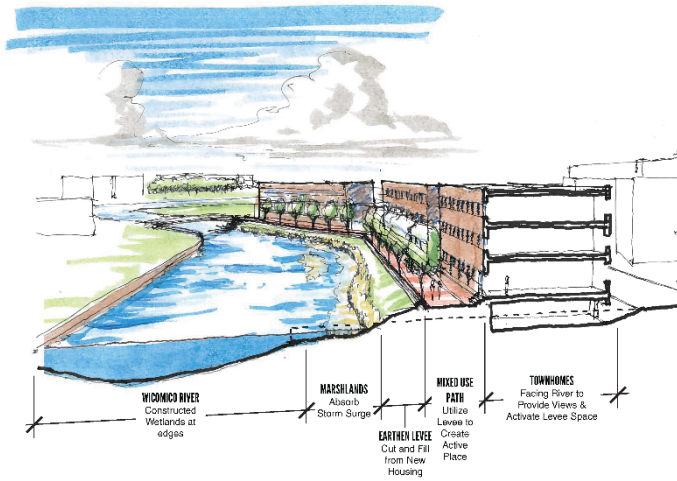
Option 4 South Prong 1

Current Sea Level

B3 Daniel Moreno-Holt

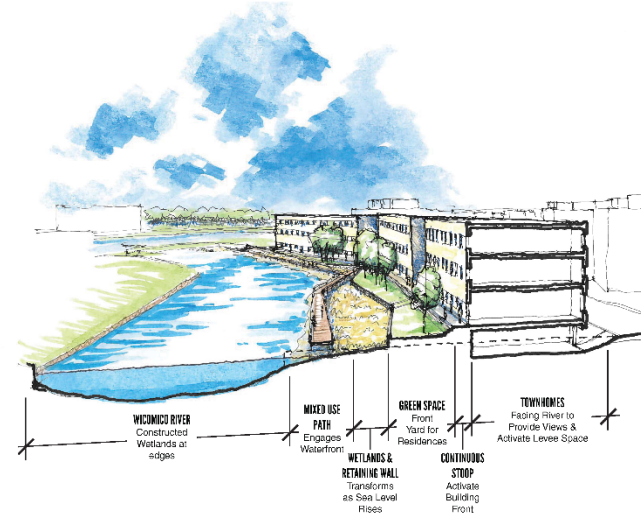


SEA RISE SECTIONS



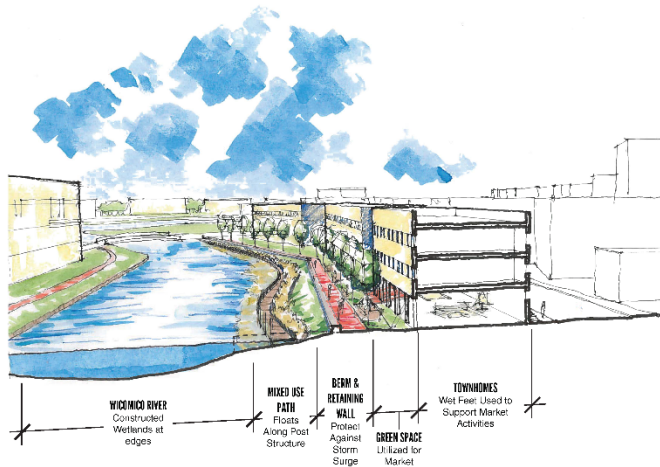
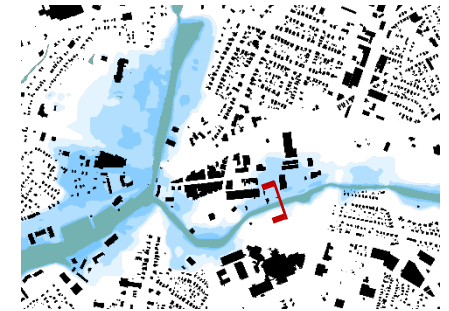
Option 1 South Prong 1 3' - Low Estimate for Sea Level Rise/50 Years

B3 Daniel Moreno-Holt



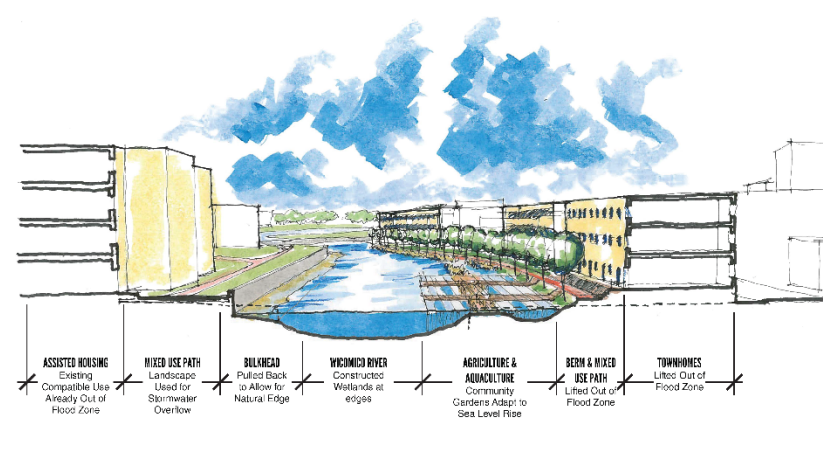
Option 2 South Prong 1 3' - Low Estimate for Sea Level Rise/50 Years

B3 Daniel Moreno-Holt



Option 3 South Prong 1 3' - Low Estimate for Sea Level Rise/50 Years

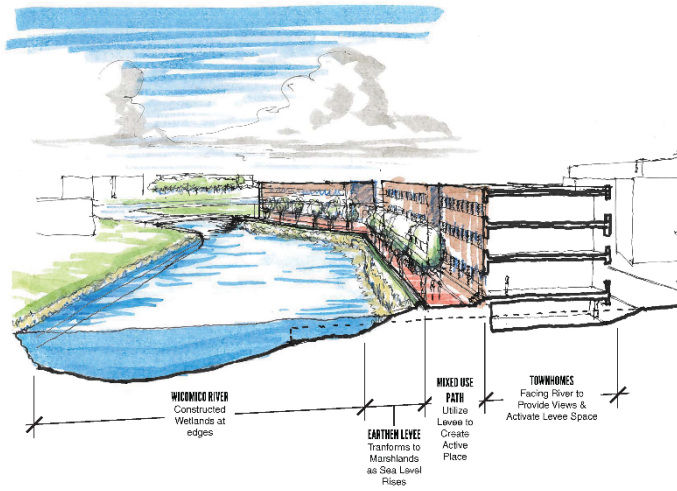
B3 Daniel Moreno-Holt



Option 4 South Prong 1 3' - Low Estimate for Sea Level Rise/50 Years

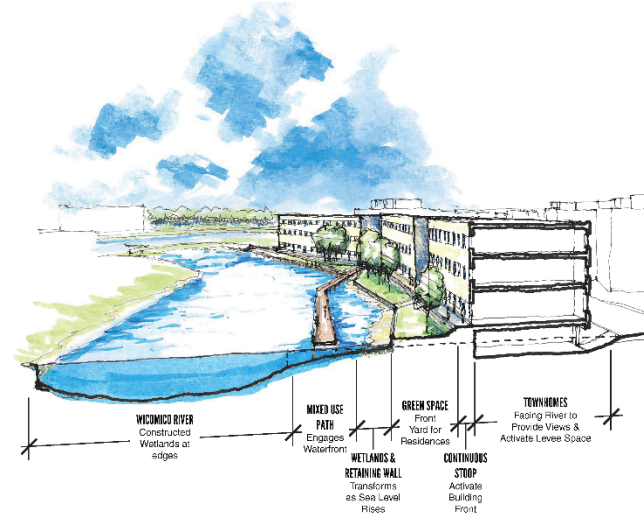
B3 Daniel Moreno-Holt

SEA RISE SECTIONS



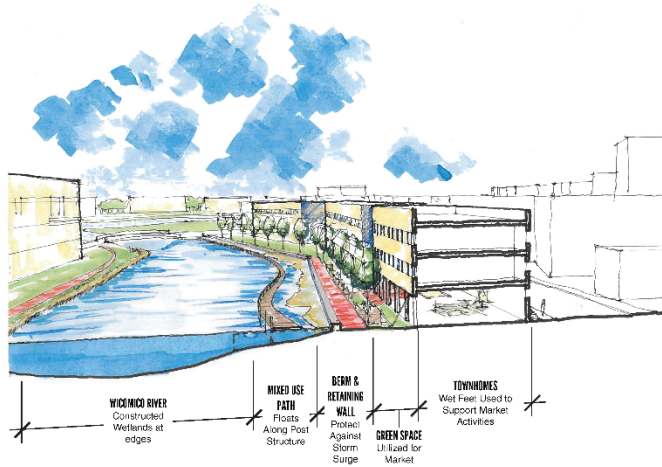
Option 1 South Prong 1 6' - High Estimate for Sea Level Rise/100 Years

B3 | Daniel Moreno-Holt



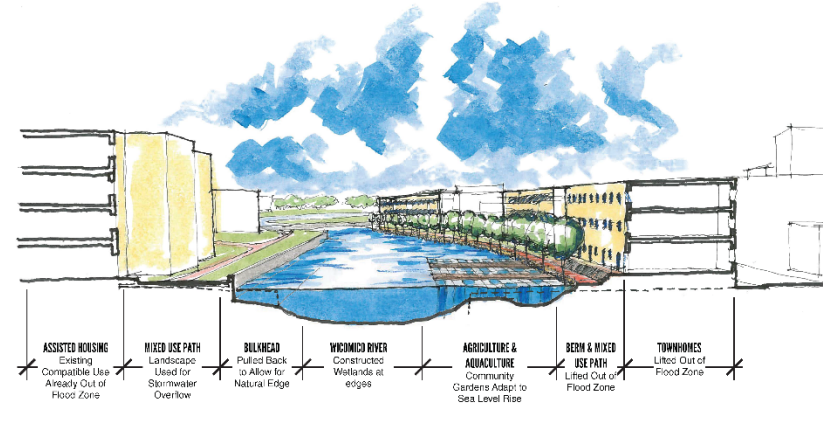
Option 2 South Prong 1 6' - High Estimate for Sea Level Rise/100 Years

B3 | Daniel Moreno-Holt



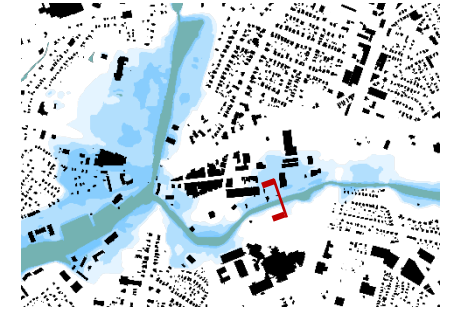
Option 3 South Prong 1 6' - High Estimate for Sea Level Rise/100 Years

B3 | Daniel Moreno-Holt

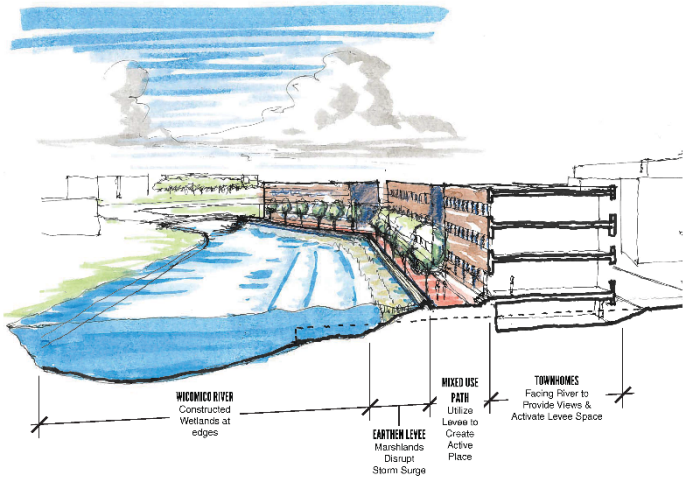


Option 4 South Prong 1 6' - High Estimate for Sea Level Rise/100 Years

B3 | Daniel Moreno-Holt

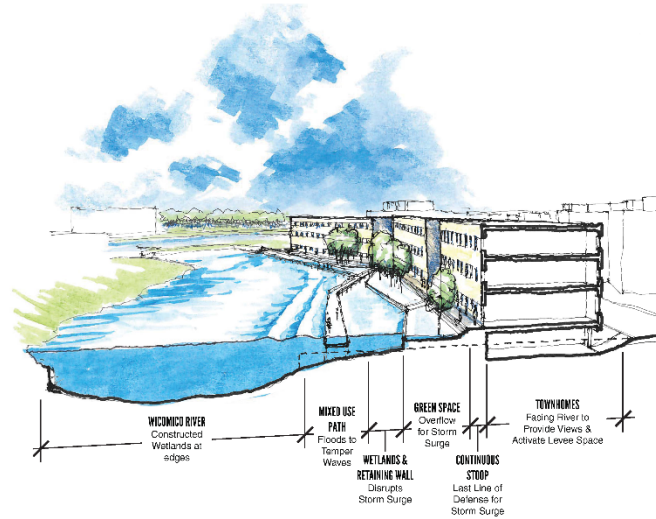


SEA RISE SECTIONS



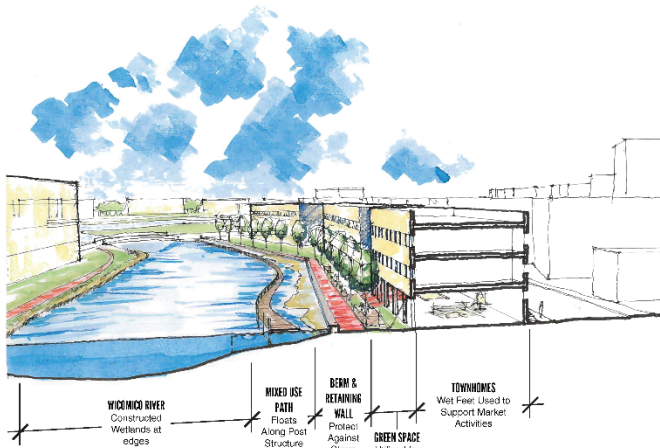
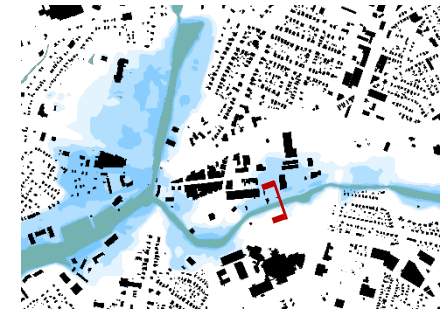
Option 1 South Prong 1 **9' - Long Term Storm Surge/Worse Case Scenario**

B3 Daniel Moreno-Holt



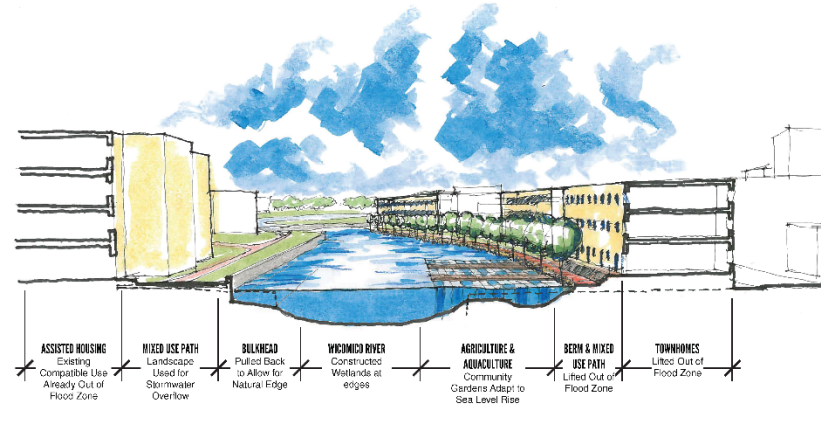
Option 2 South Prong 1 **9' - Long Term Storm Surge/Worse Case Scenario**

B3 Daniel Moreno-Holt



Option 3 South Prong 1 **6' - High Estimate for Sea Level Rise/100 Years**

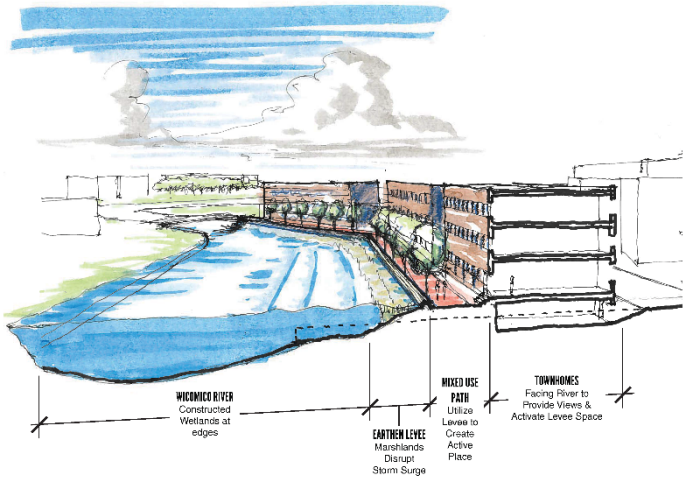
B3 Daniel Moreno-Holt



Option 4 South Prong 1 **6' - High Estimate for Sea Level Rise/100 Years**

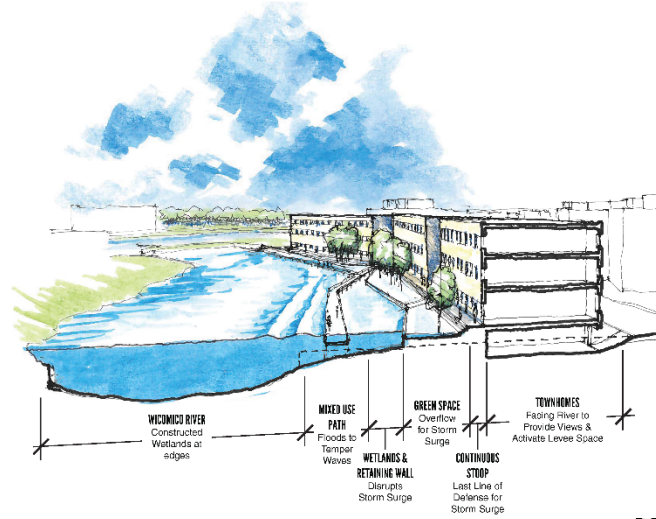
B3 Daniel Moreno-Holt

SEA RISE SECTIONS



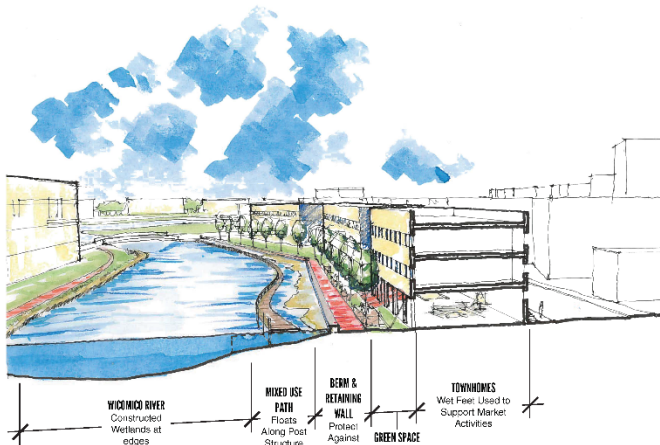
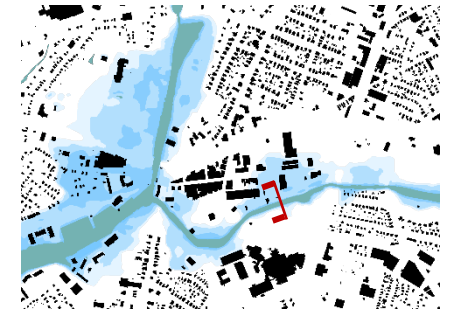
Option 1 South Prong 1 **9' - Long Term Storm Surge/Worse Case Scenario**

B3 Daniel Moreno-Holt



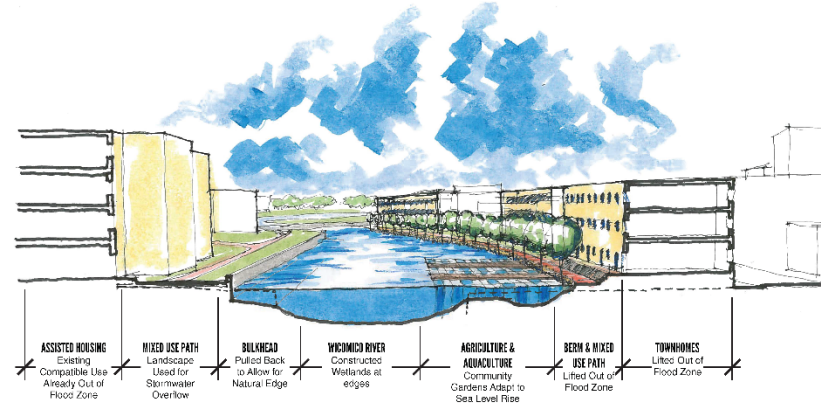
Option 2 South Prong 1 **9' - Long Term Storm Surge/Worse Case Scenario**

B3 Daniel Moreno-Holt



Option 3 South Prong 1 **6' - High Estimate for Sea Level Rise/100 Years**

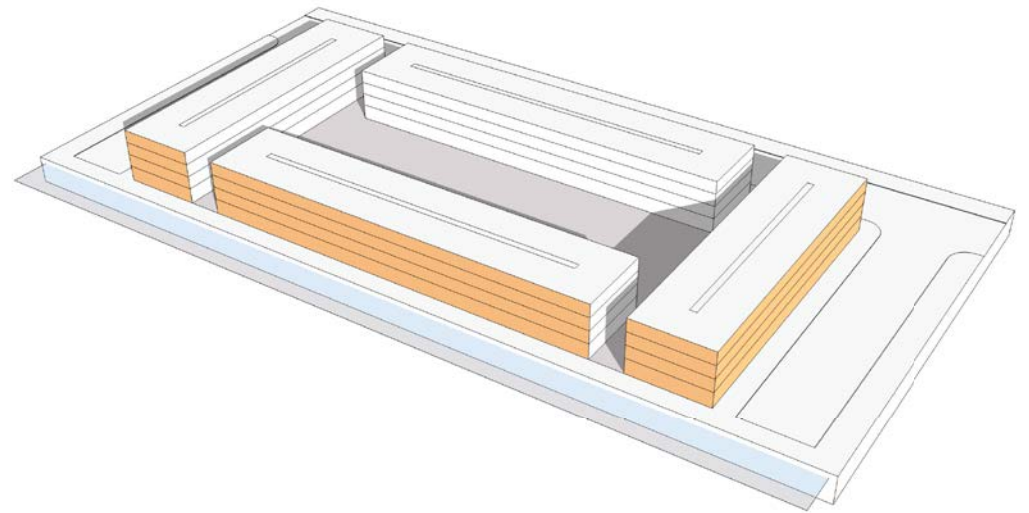
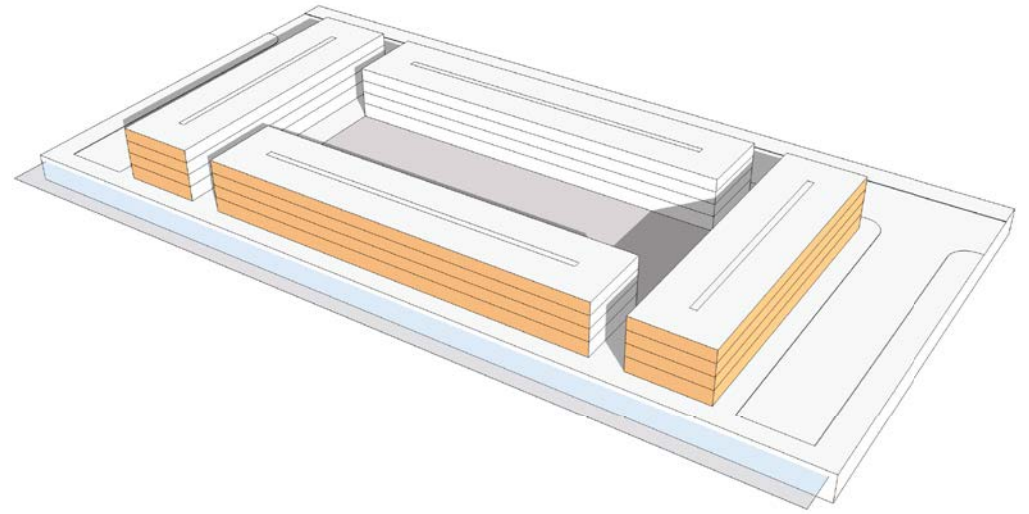
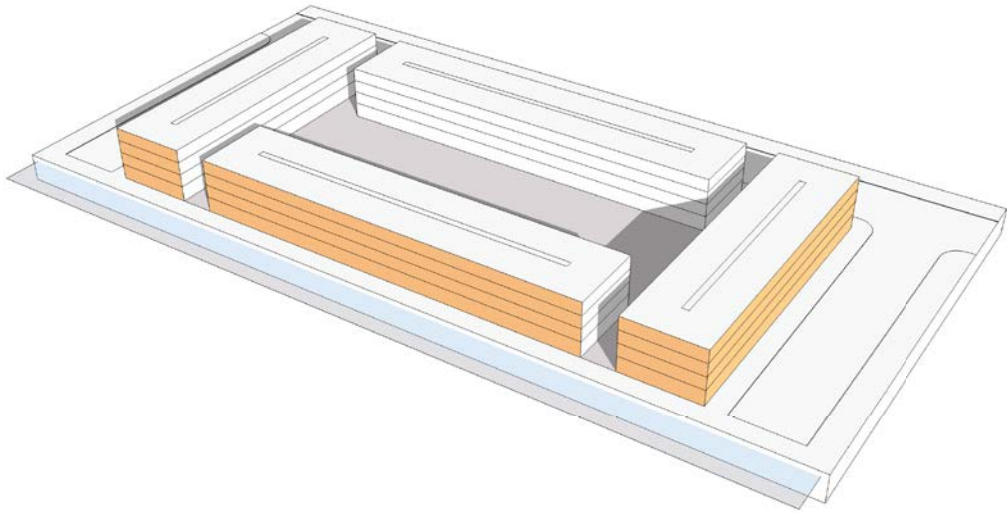
B3 Daniel Moreno-Holt

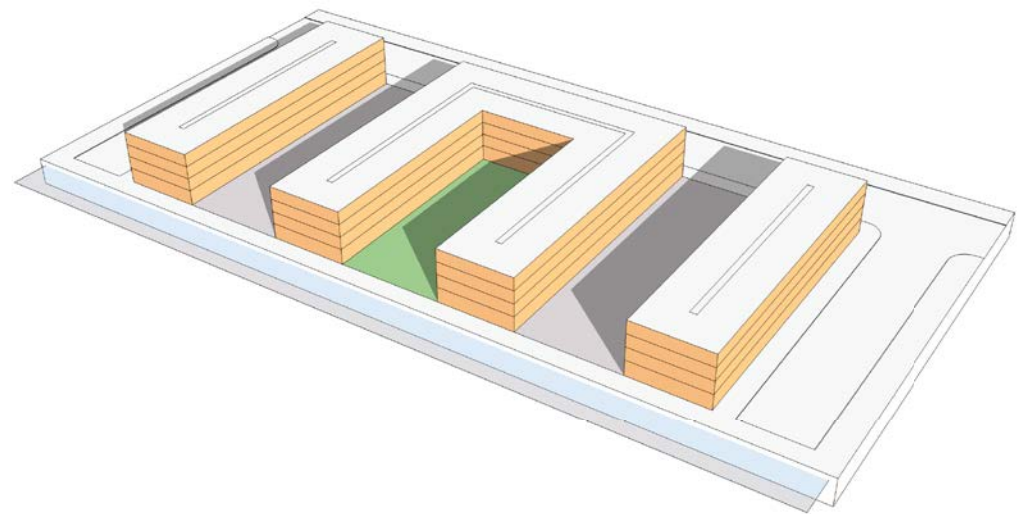
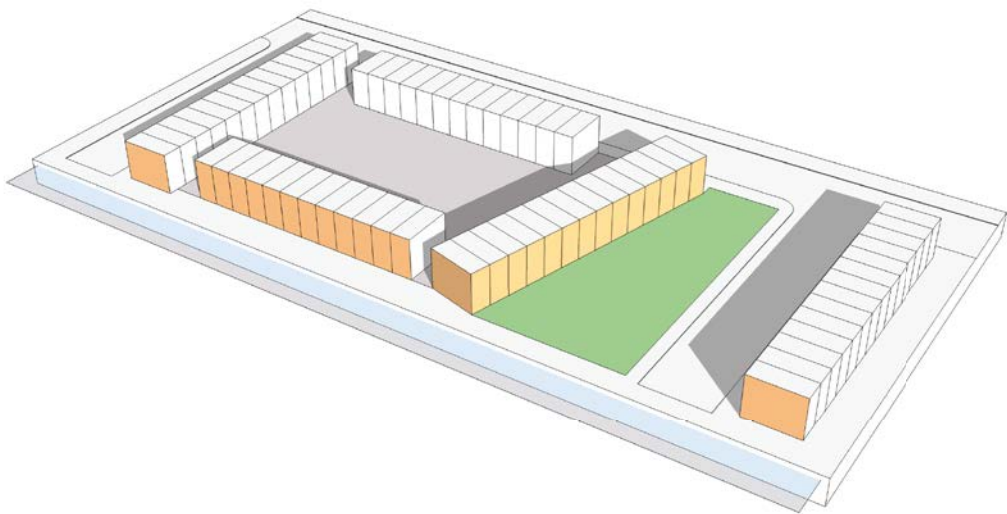
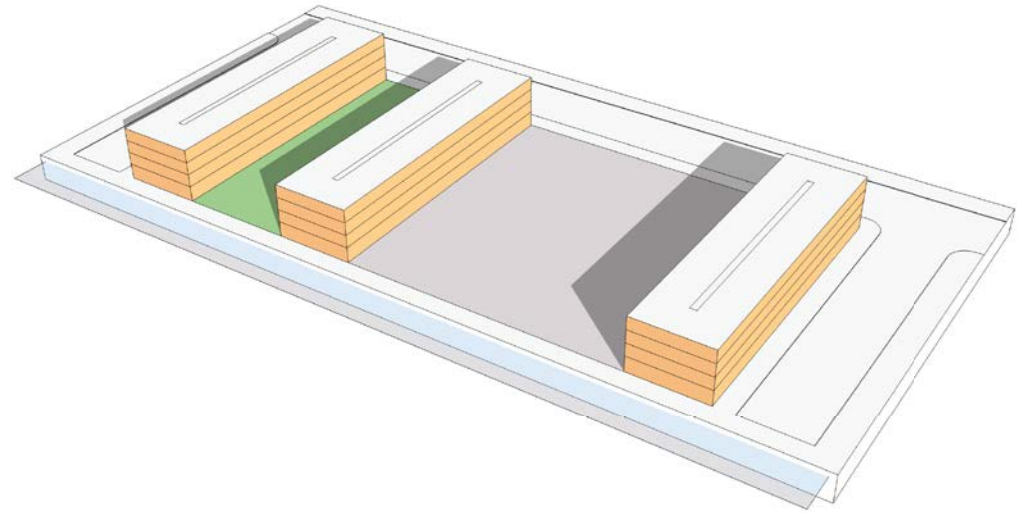
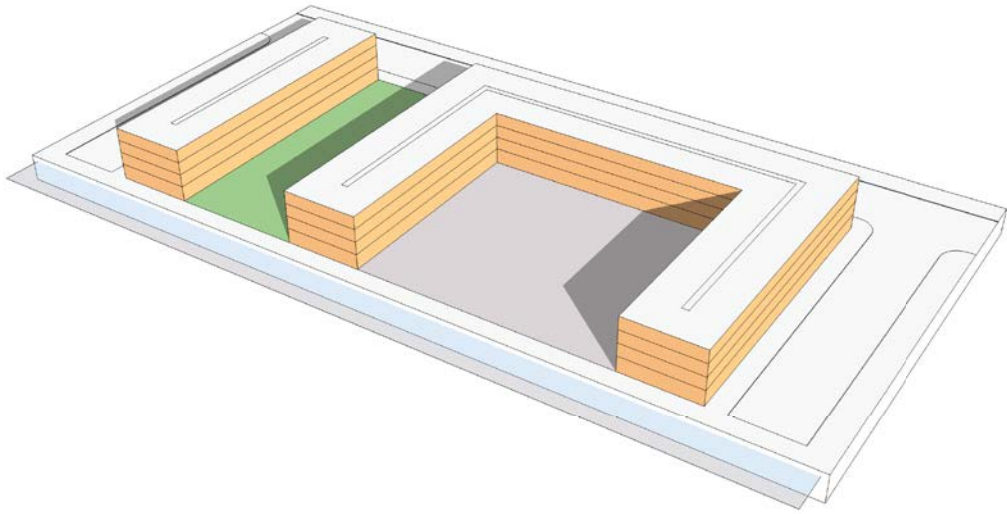


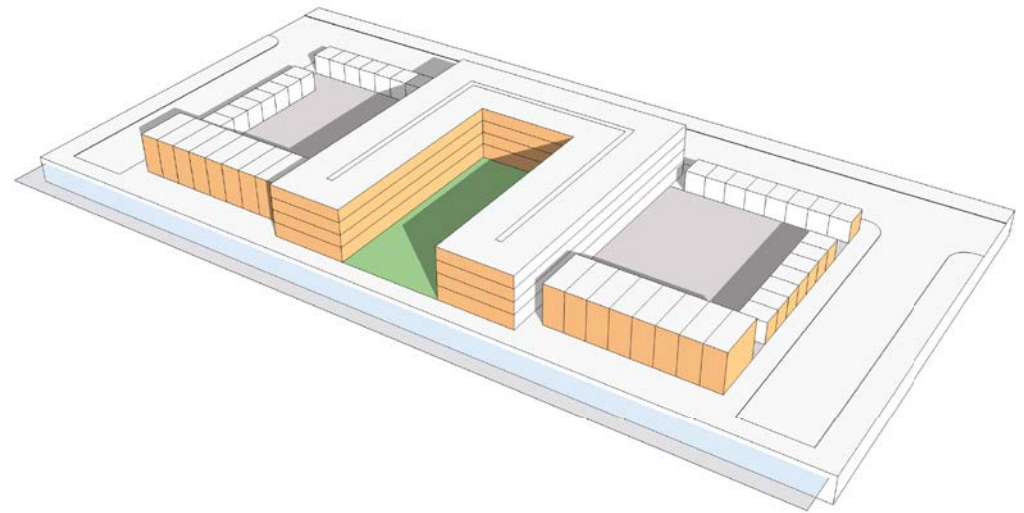
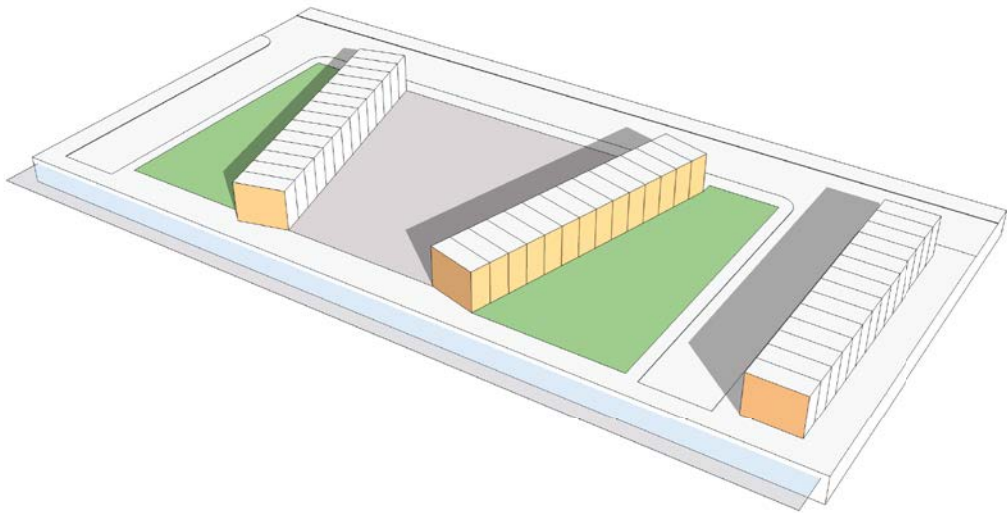
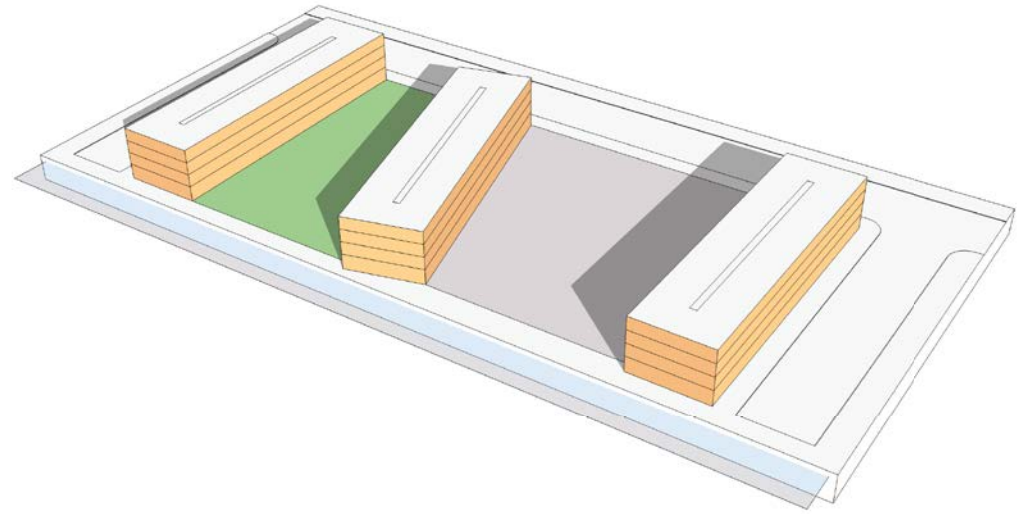
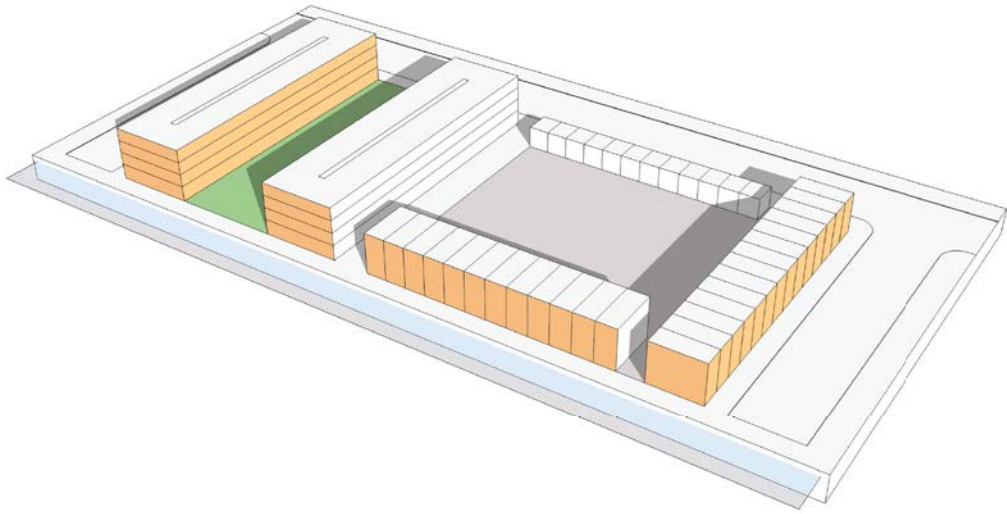
Option 4 South Prong 1 **6' - High Estimate for Sea Level Rise/100 Years**

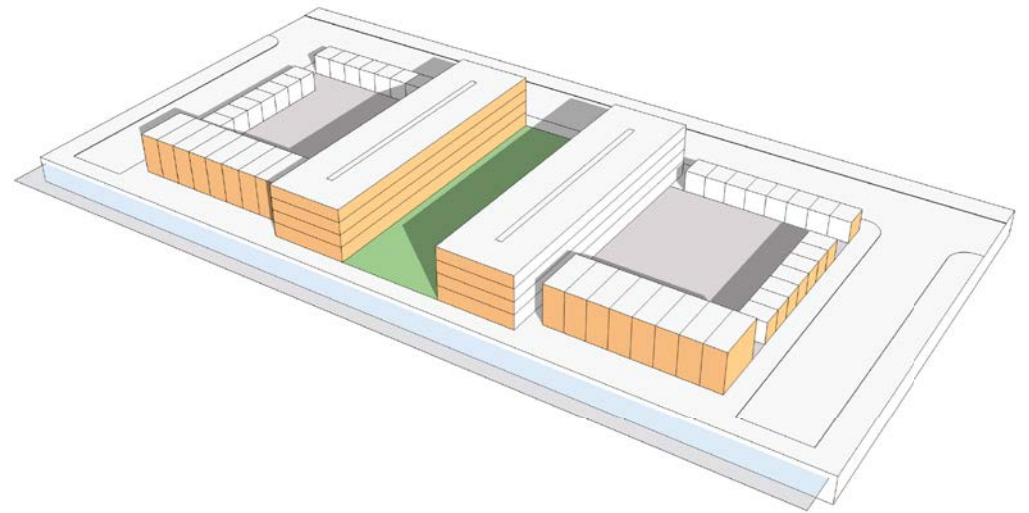
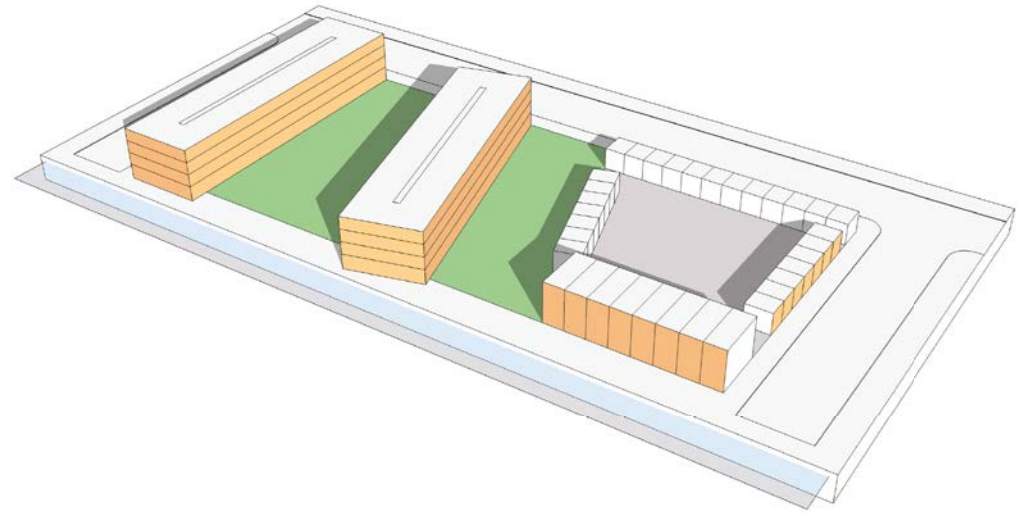
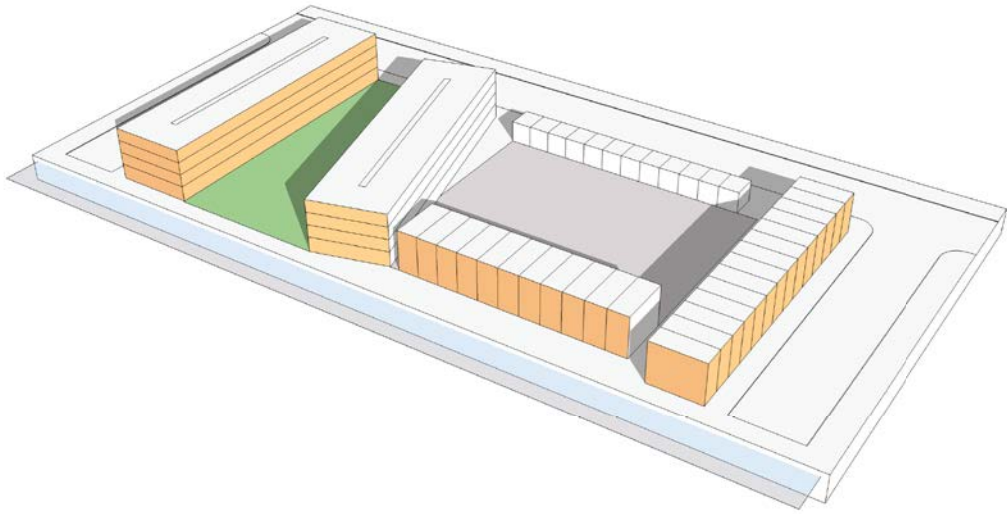
B3 Daniel Moreno-Holt

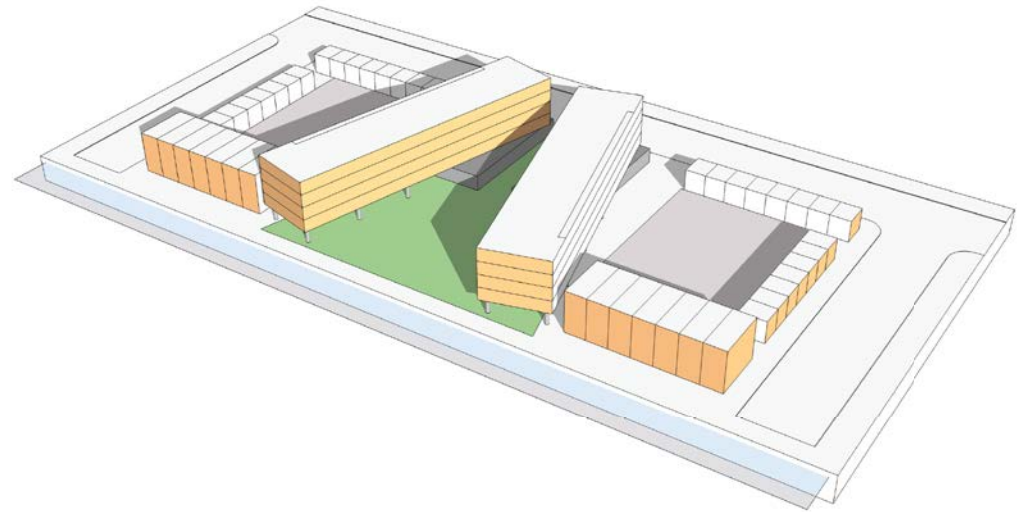
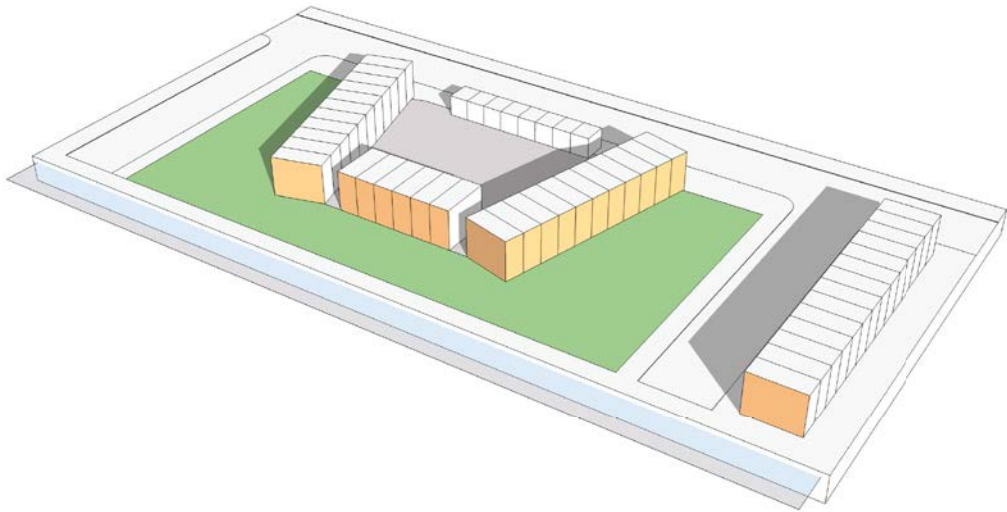
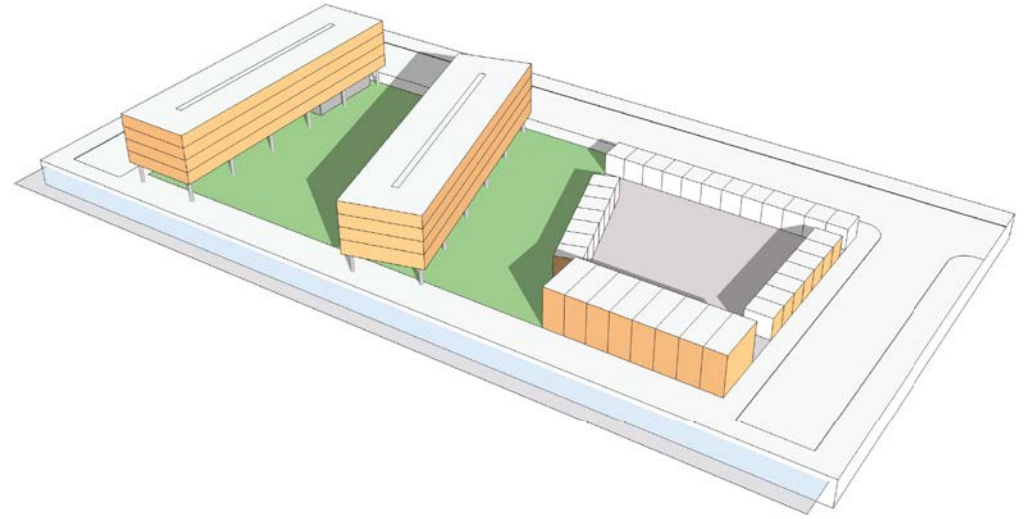
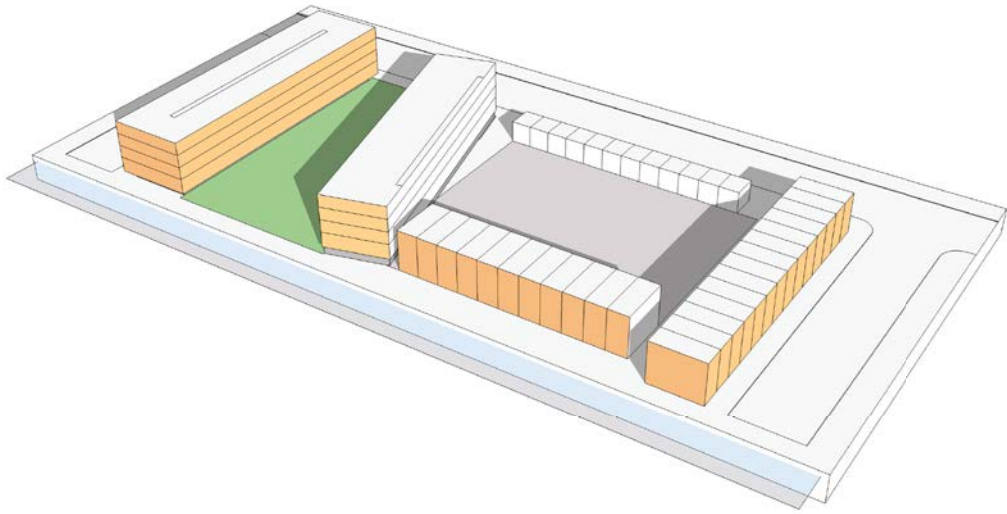
SEA RISE SECTIONS

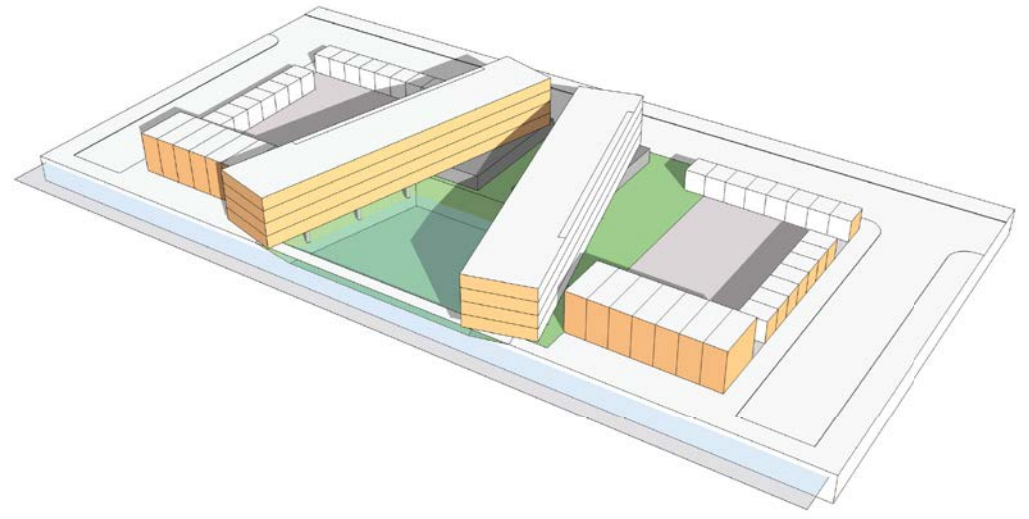
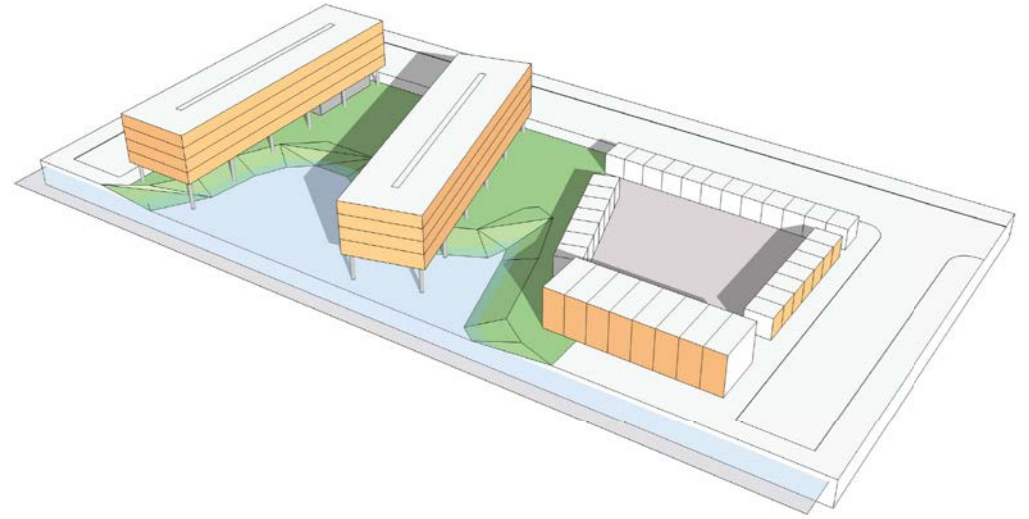
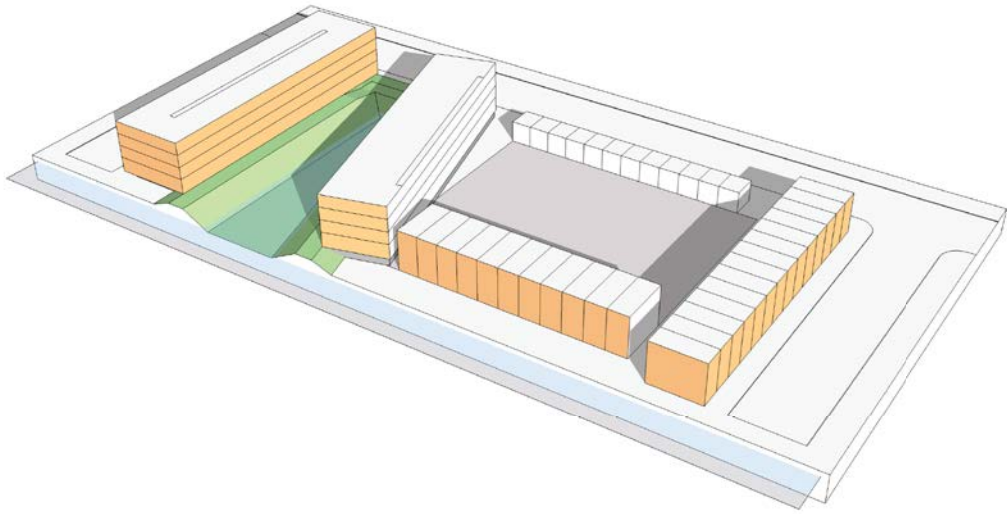


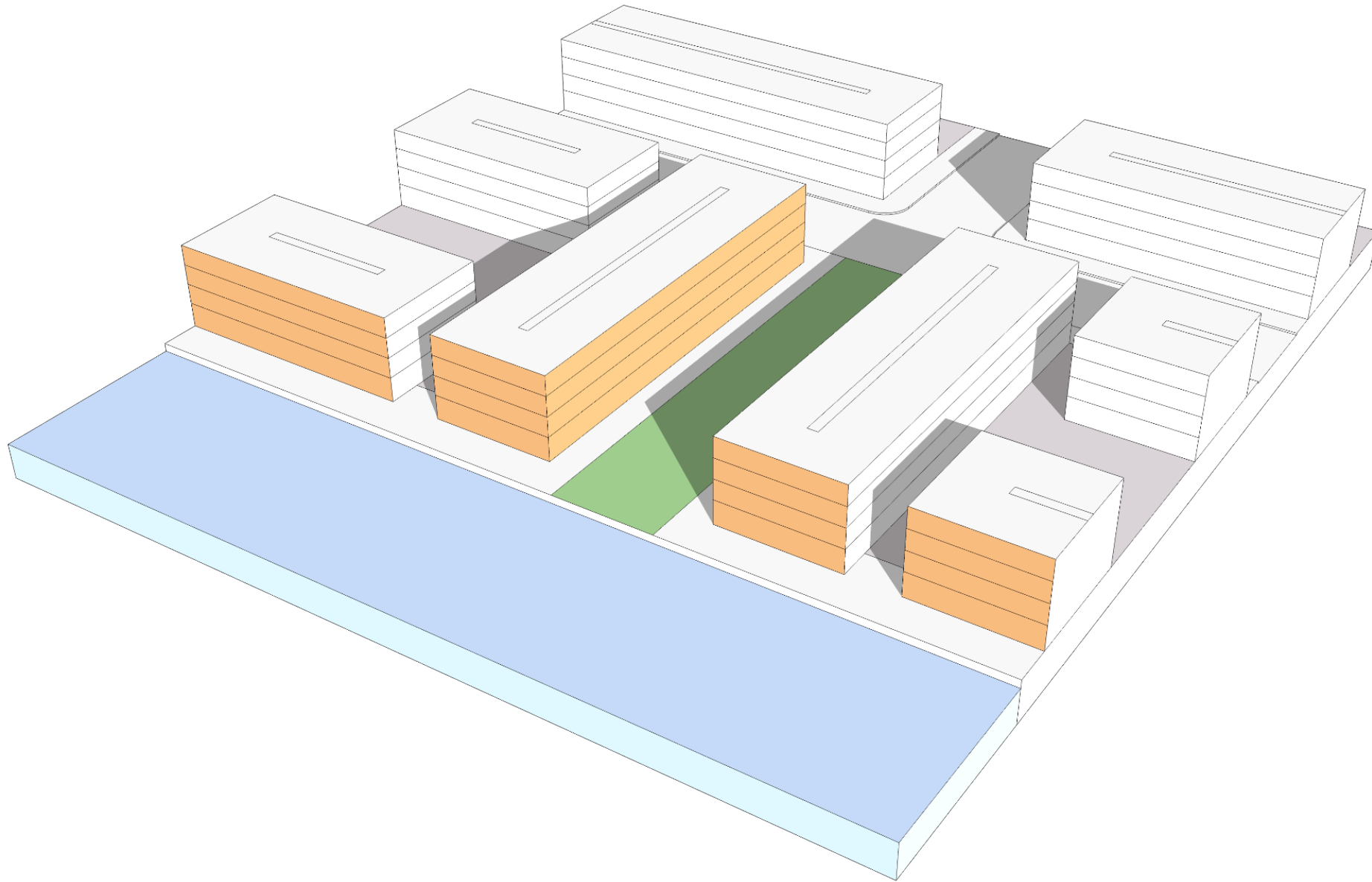


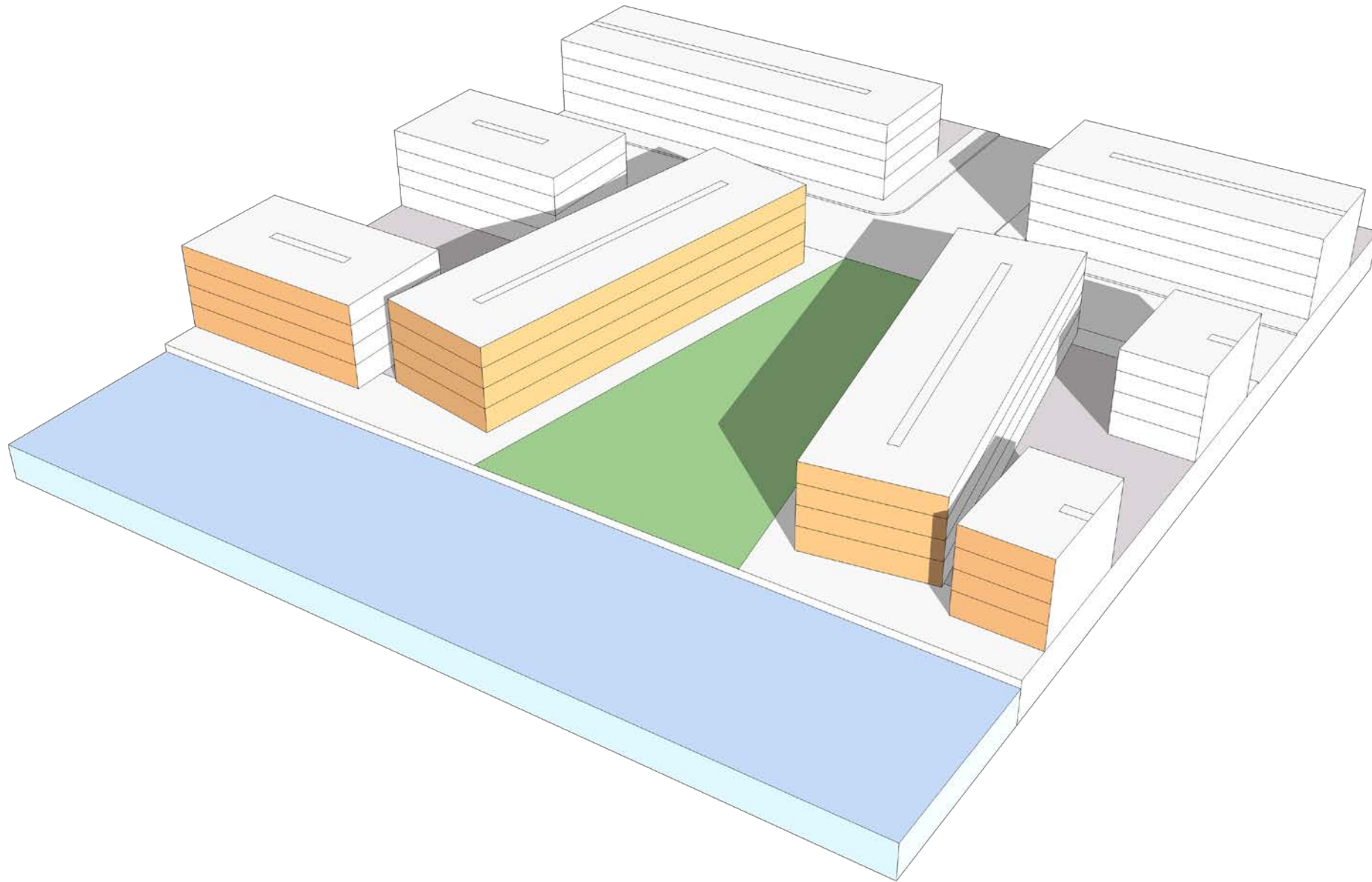


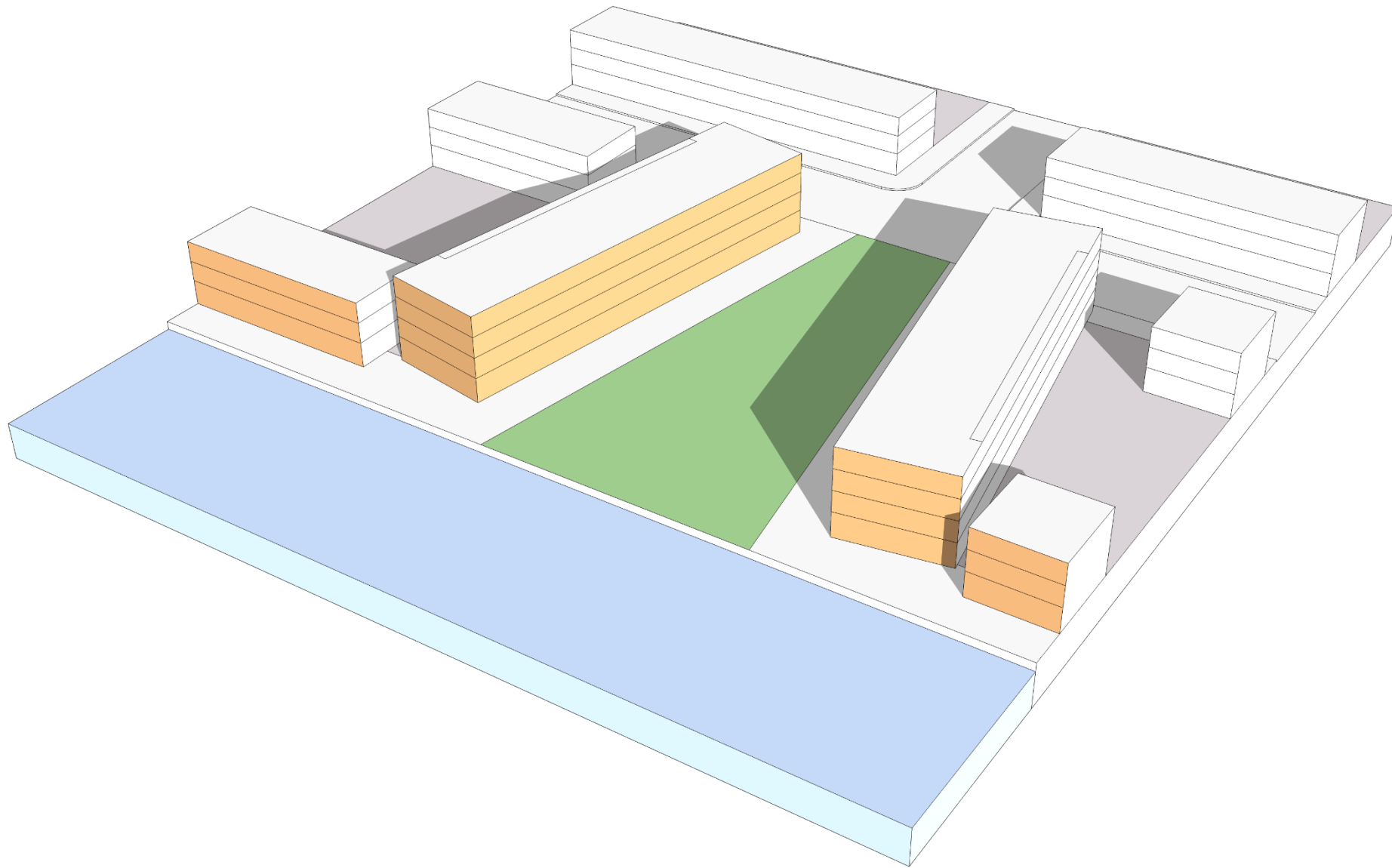


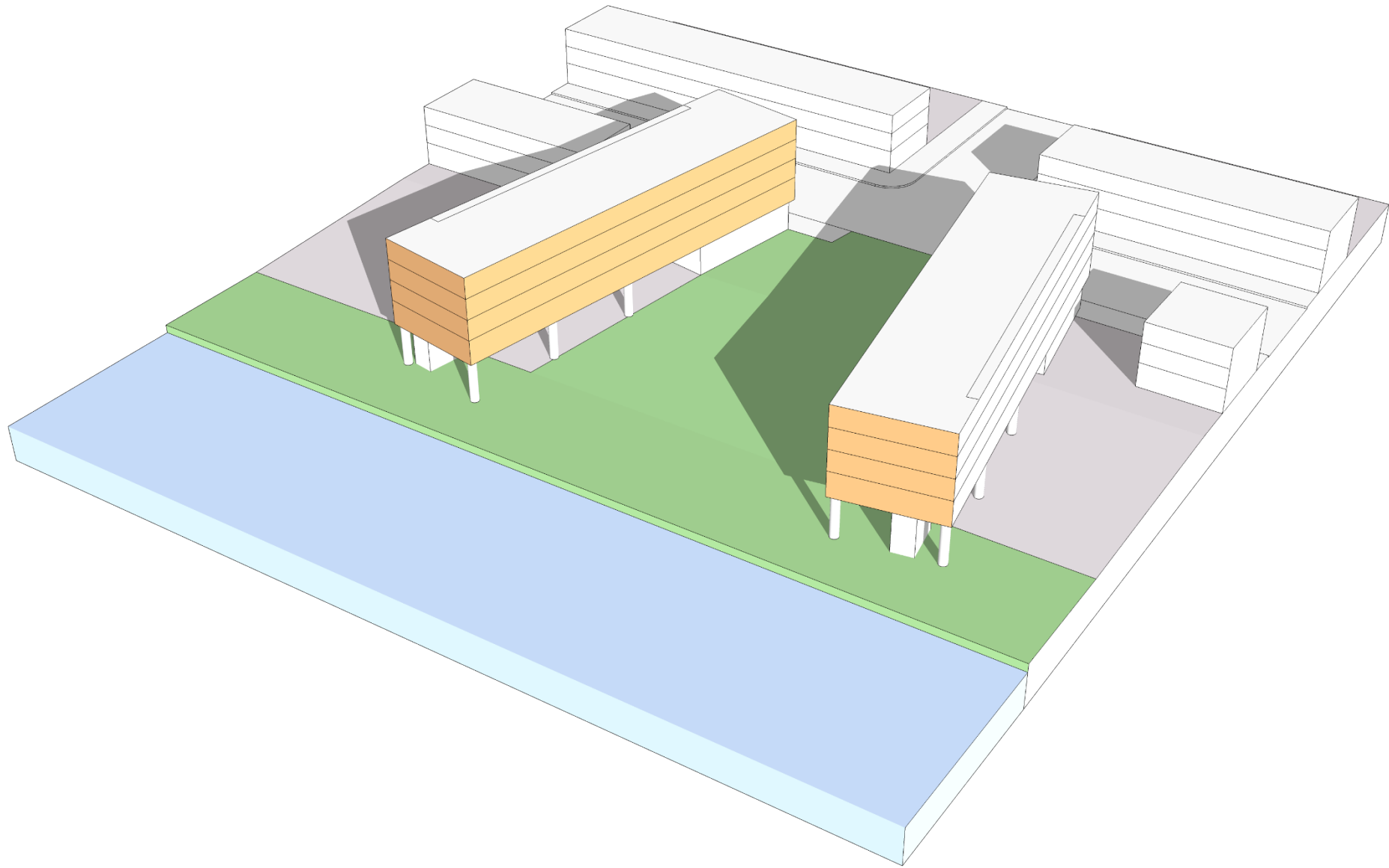


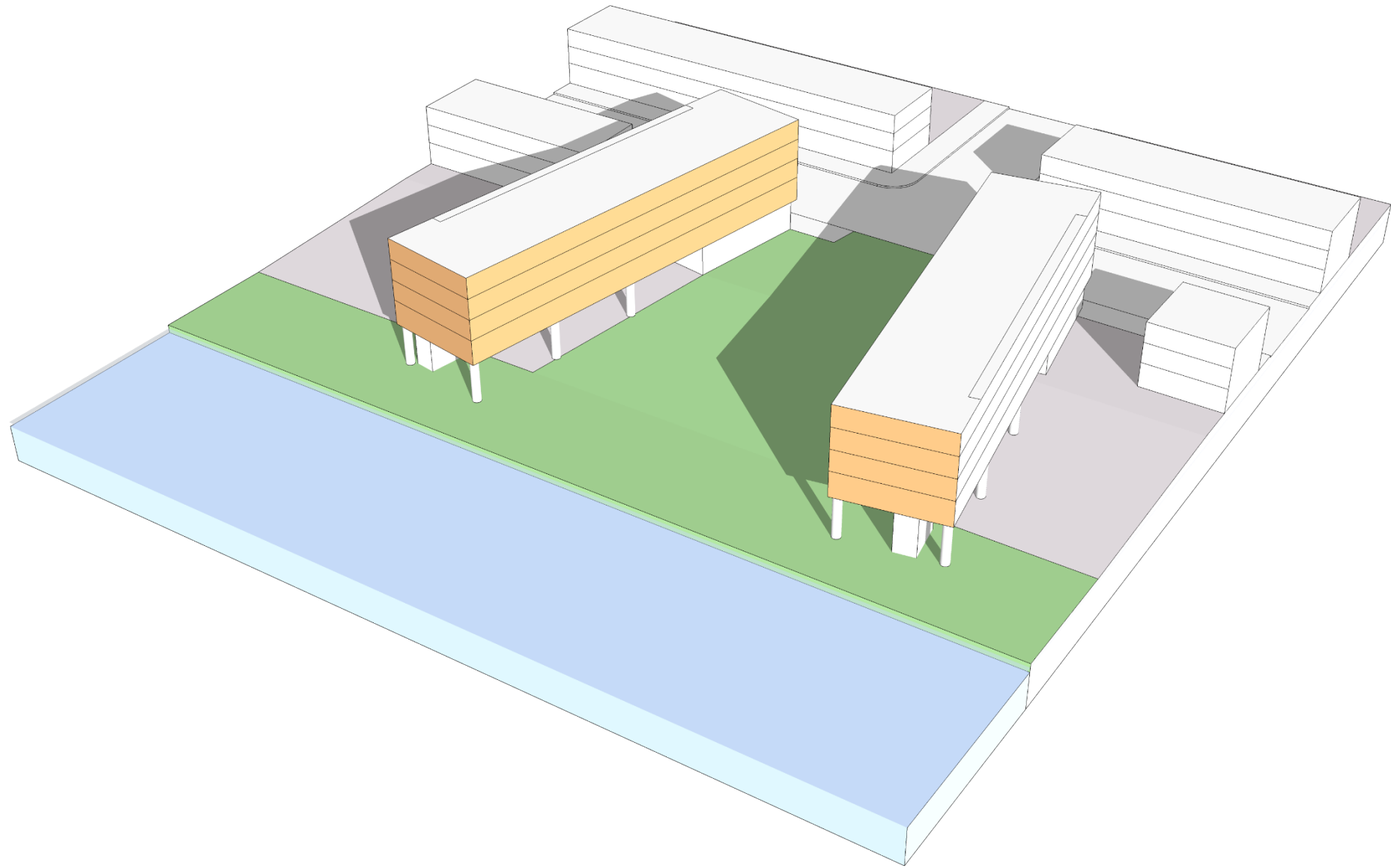


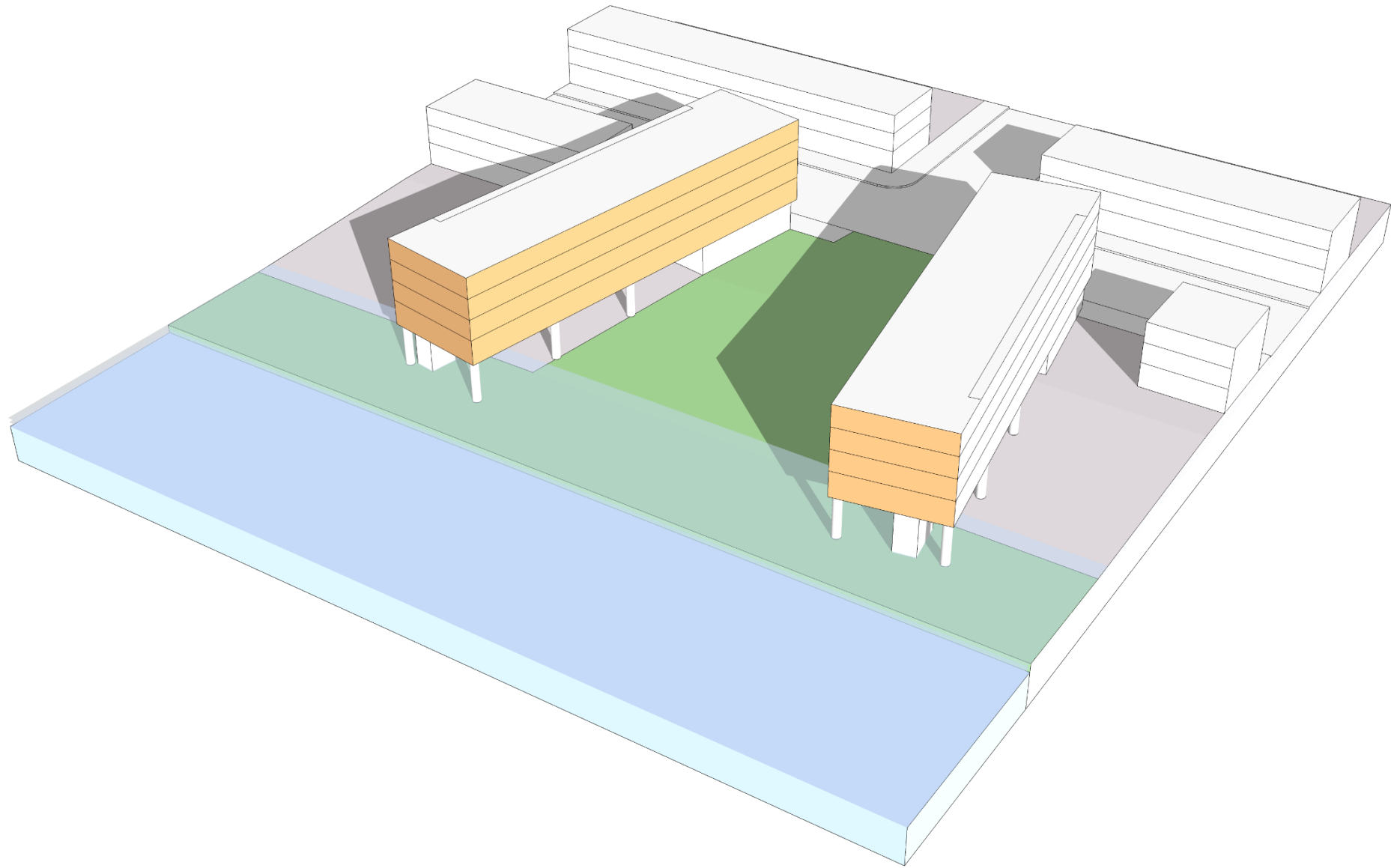


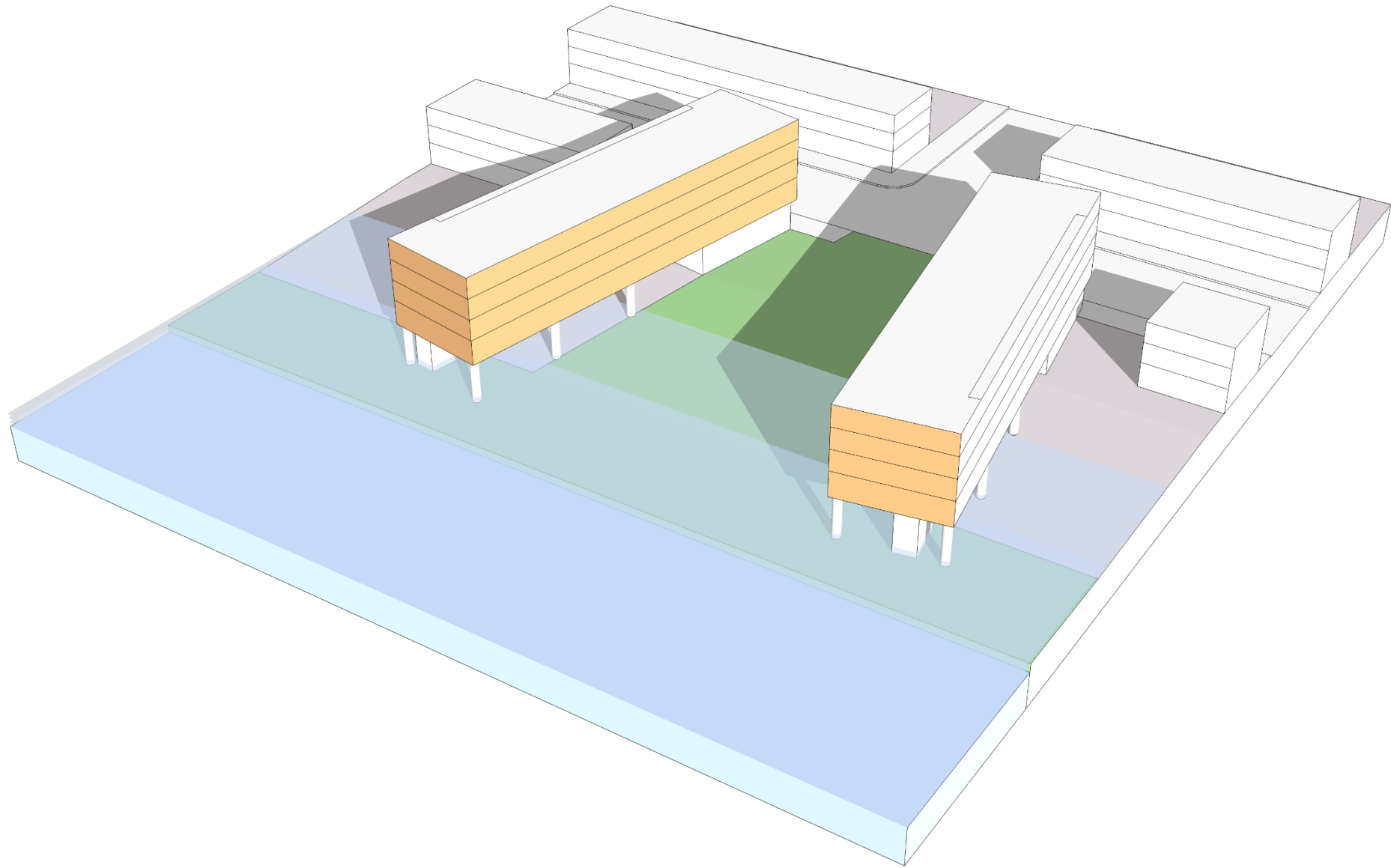


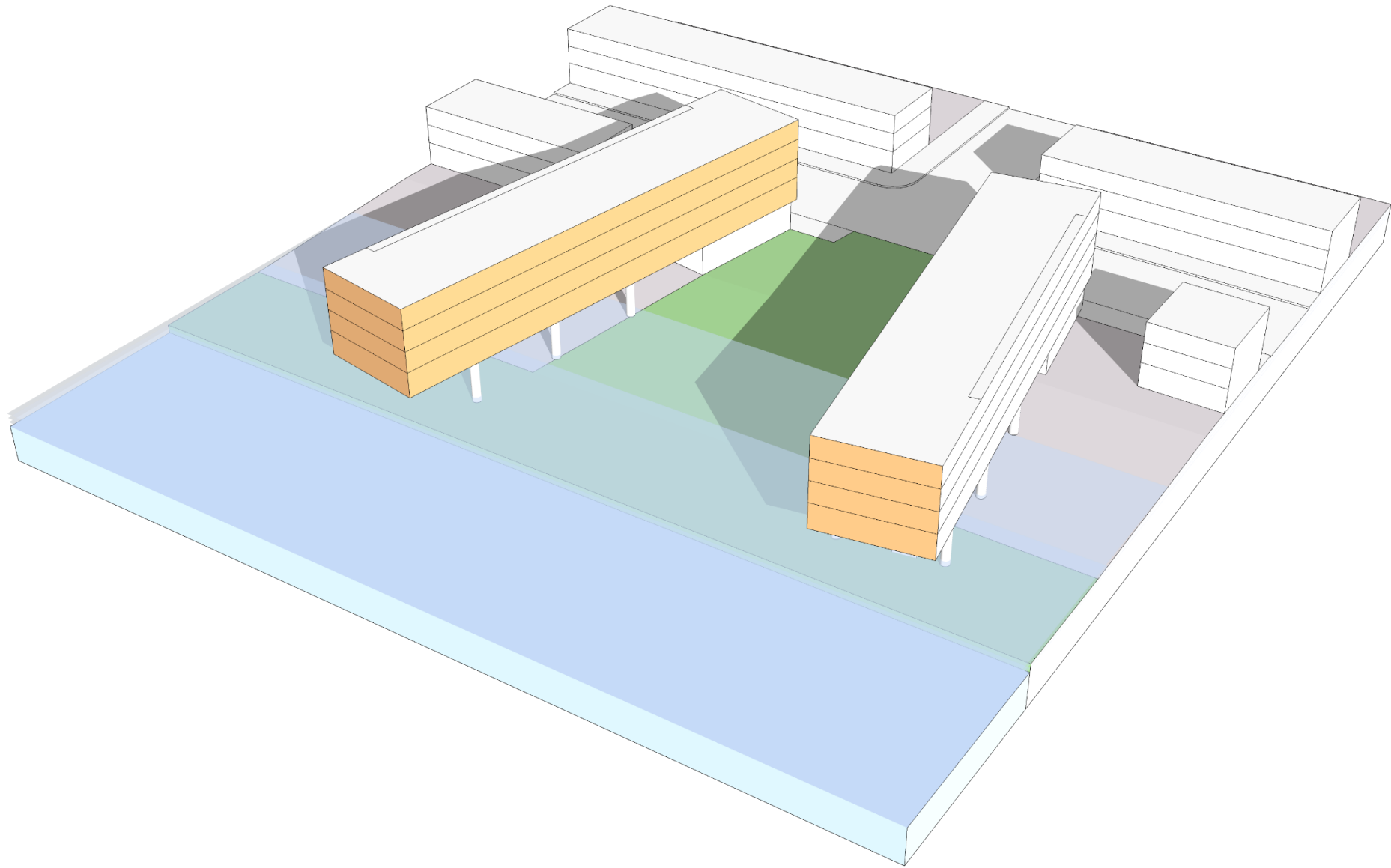


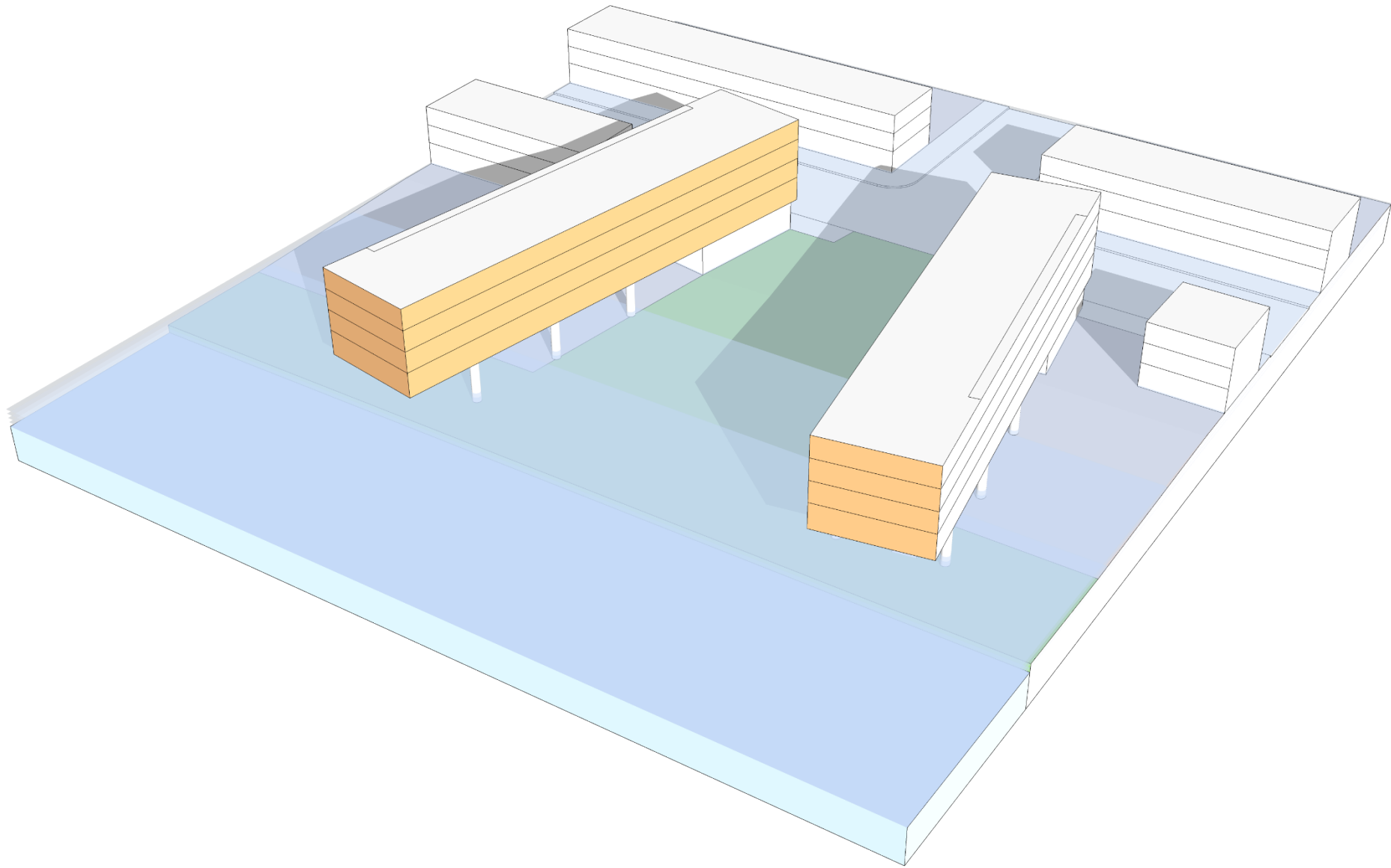


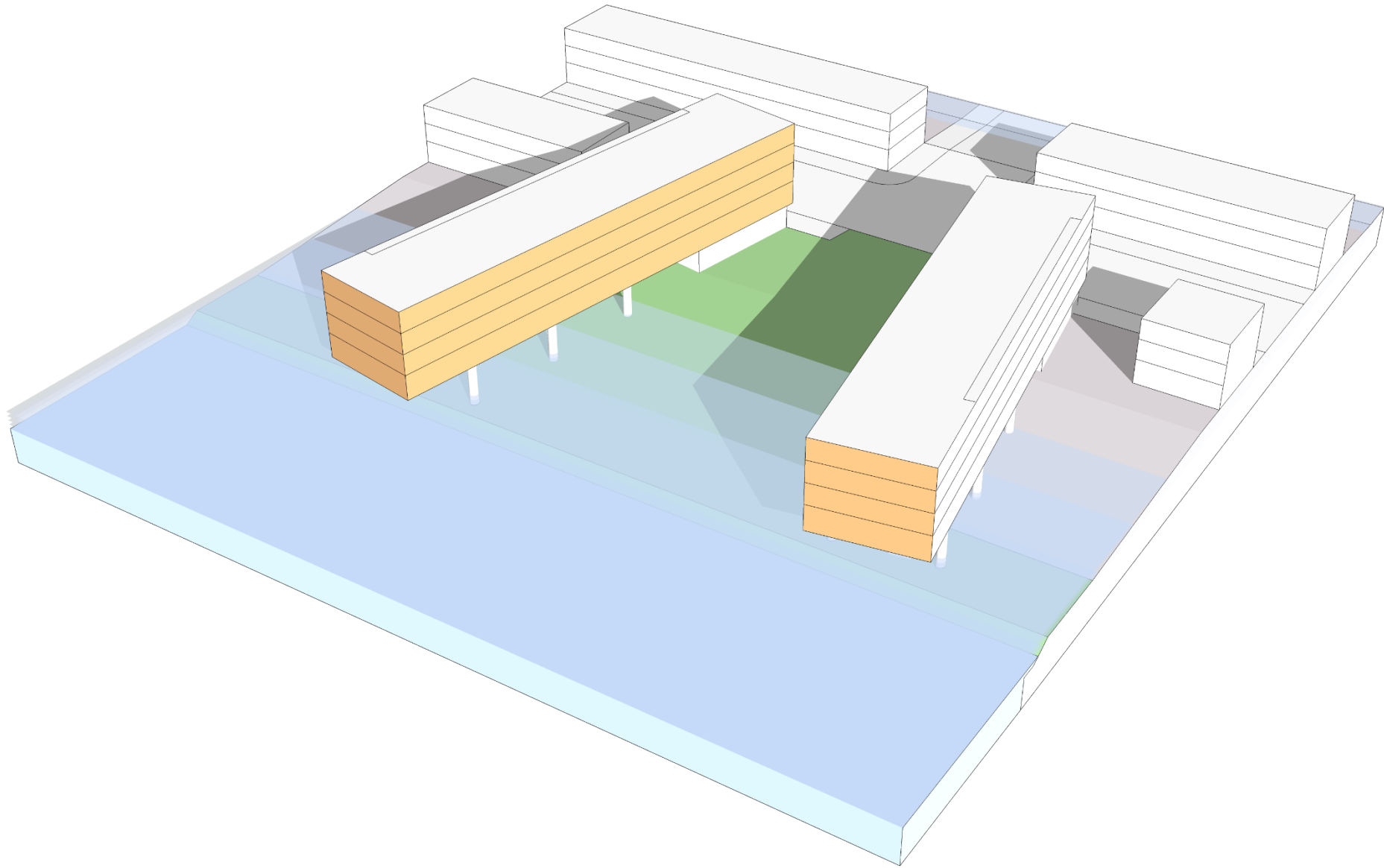


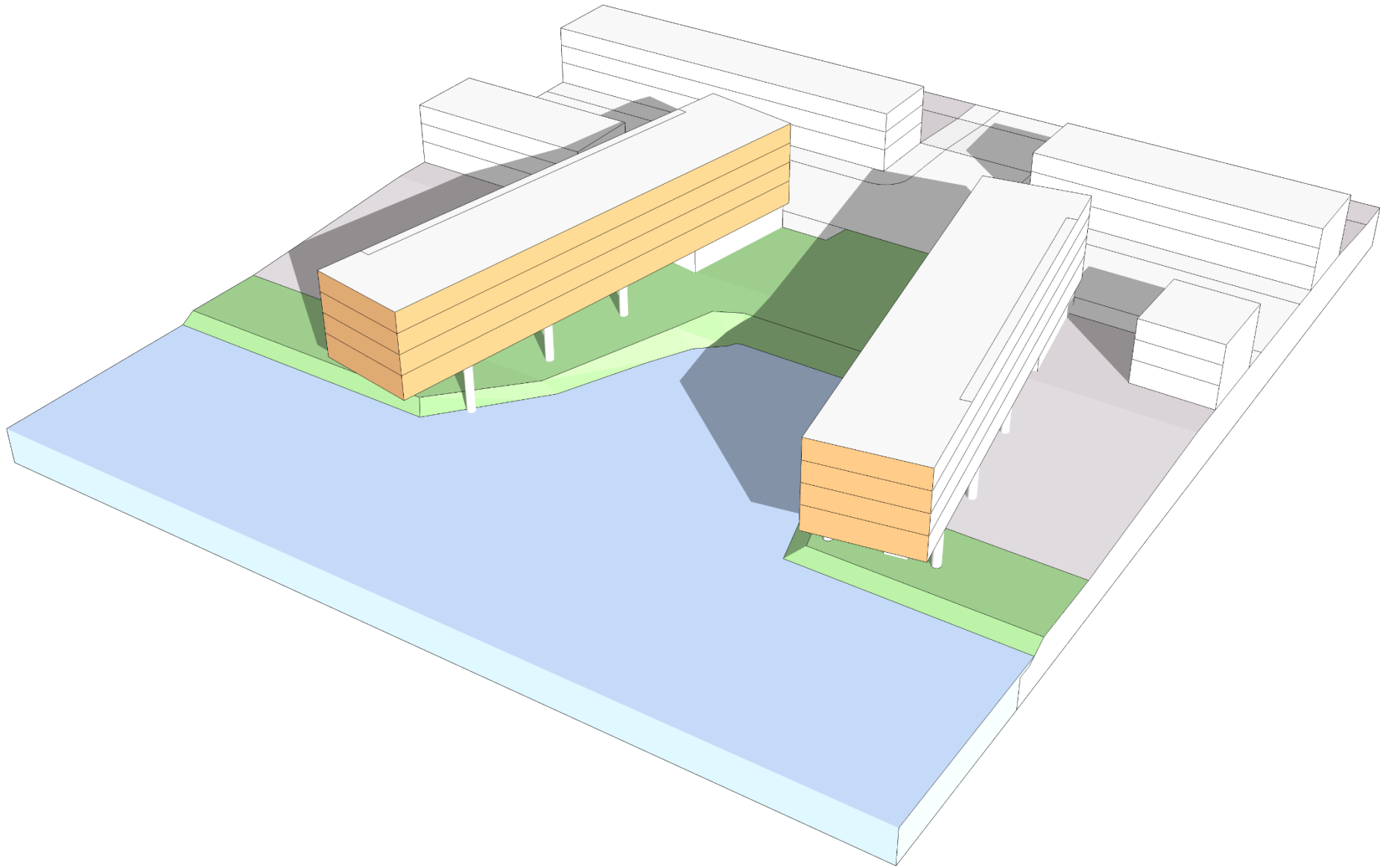


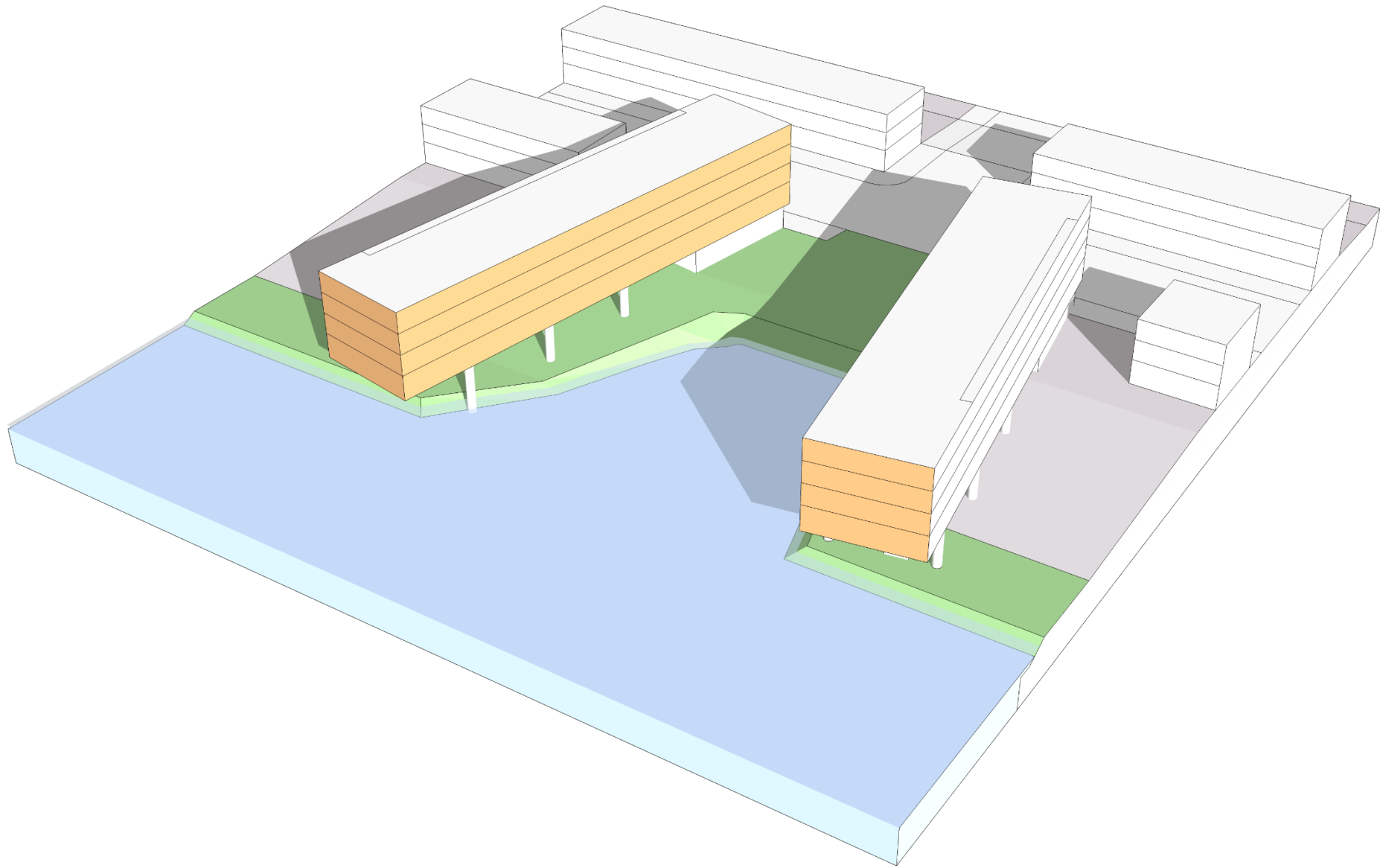


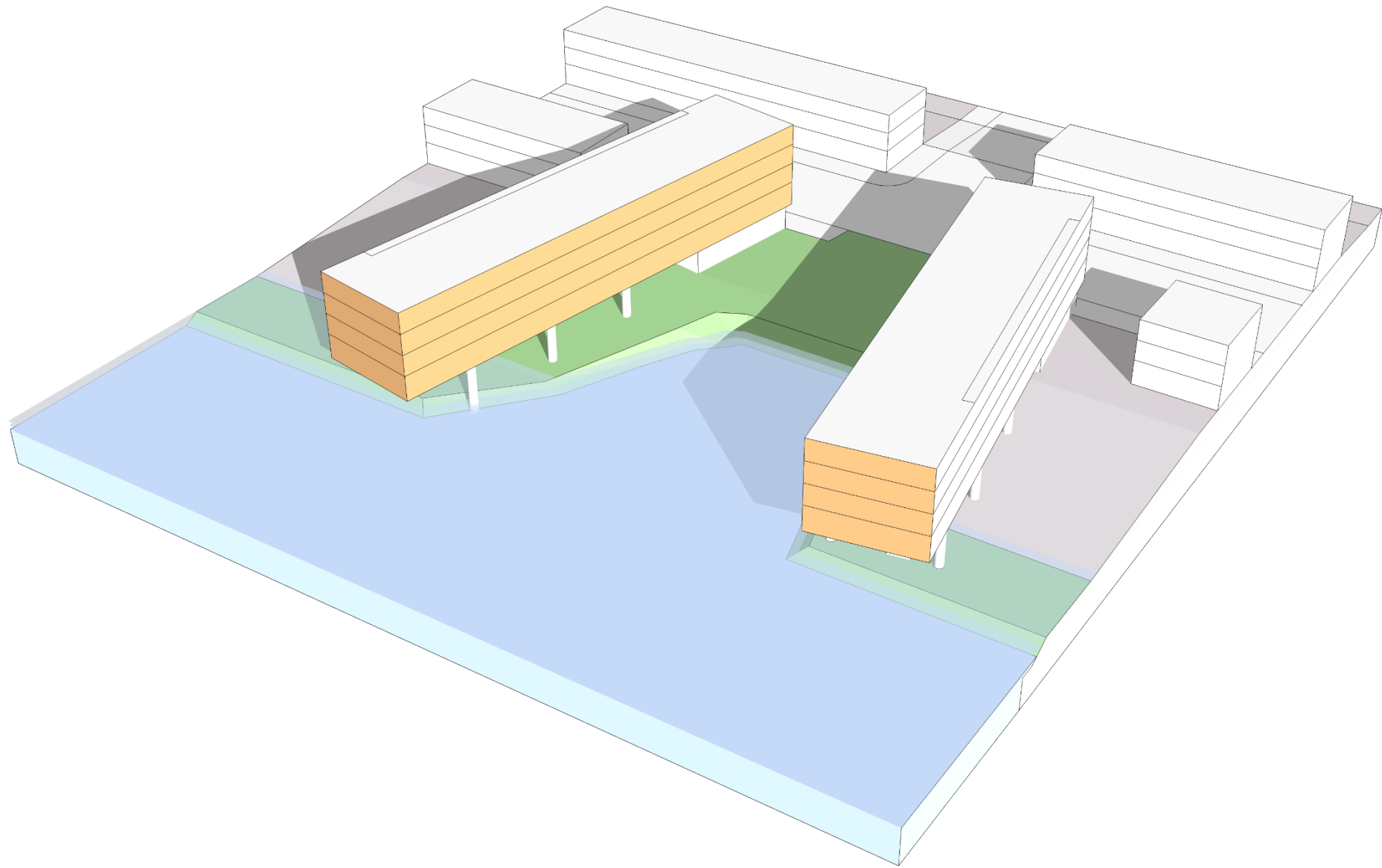


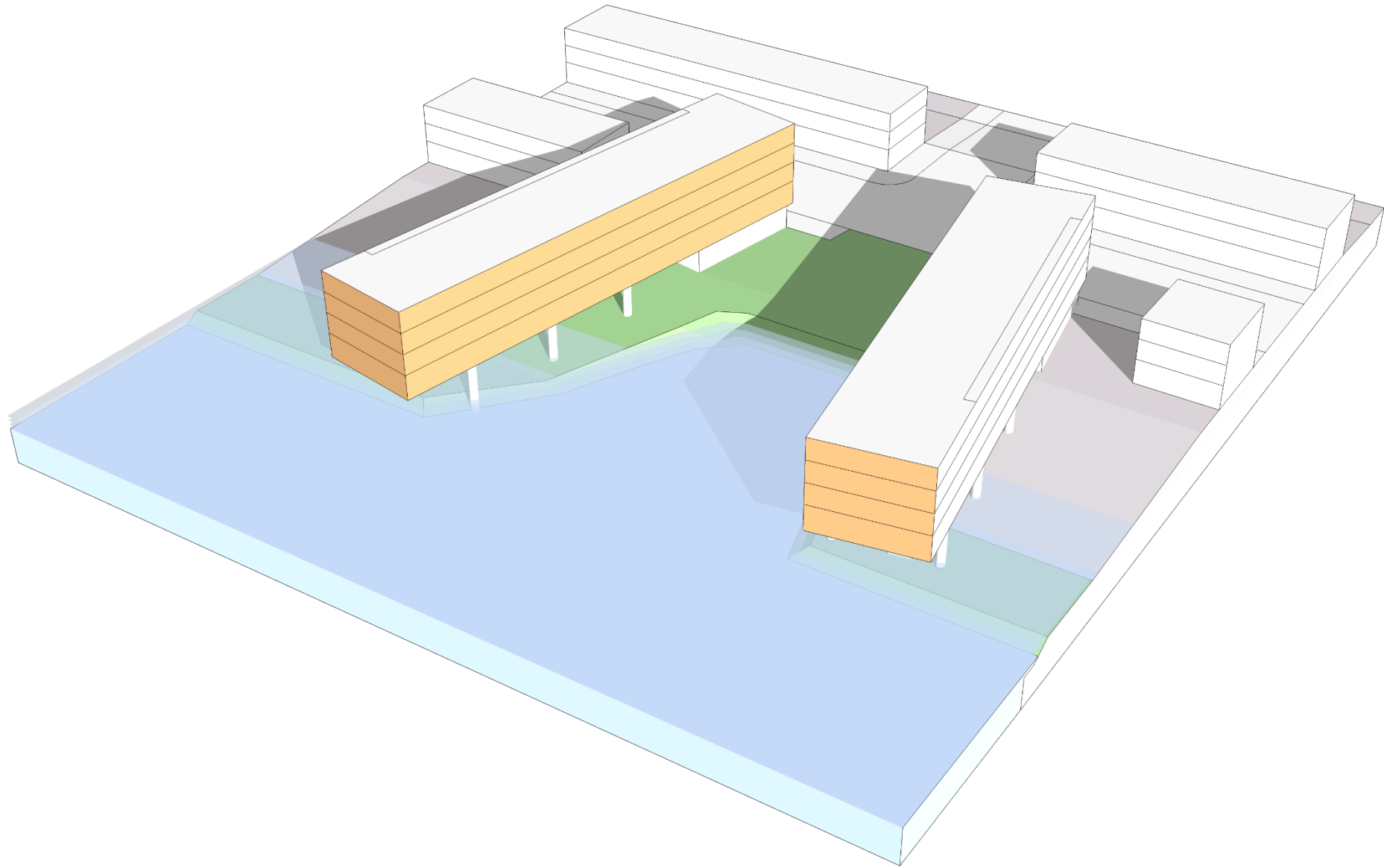


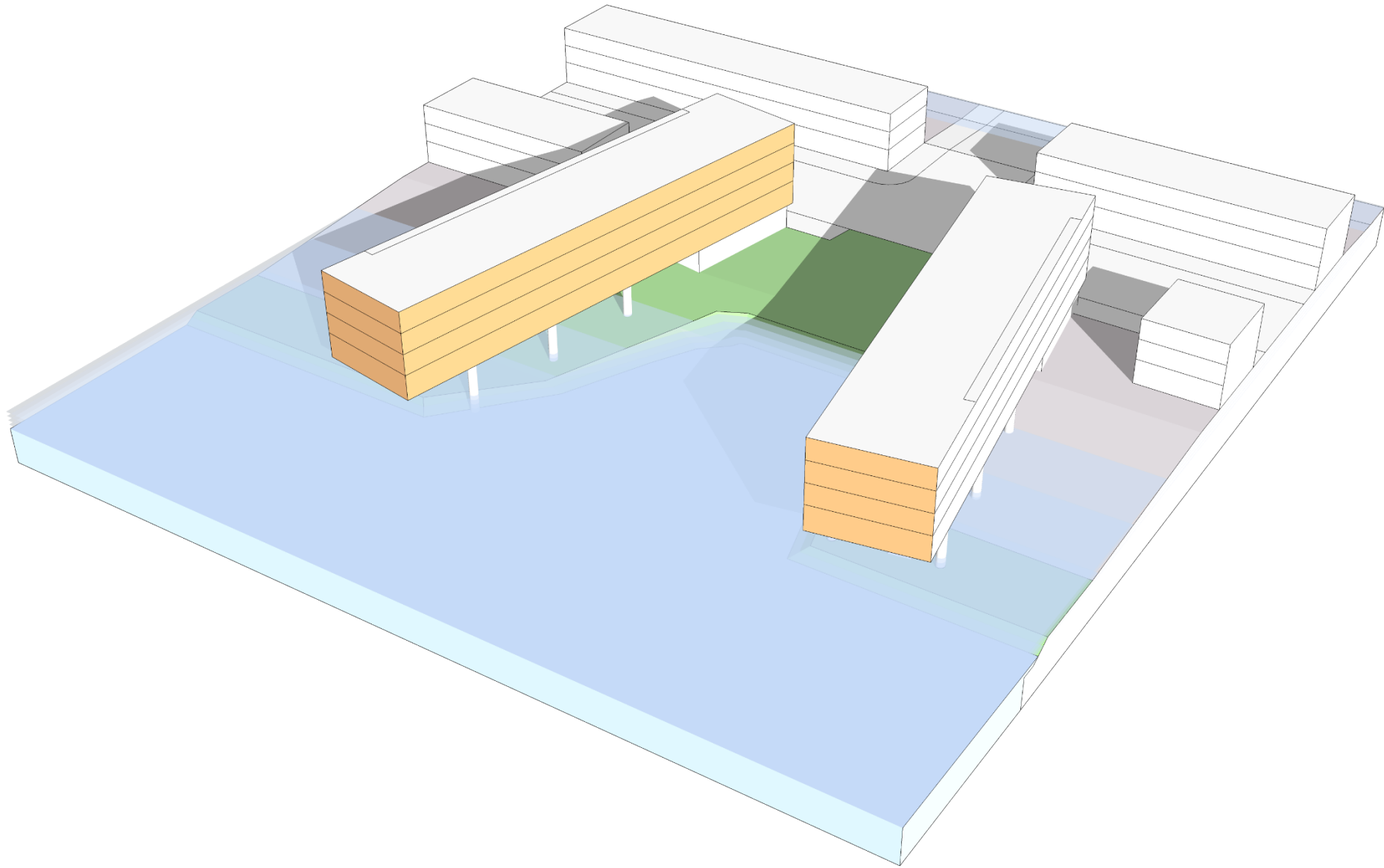


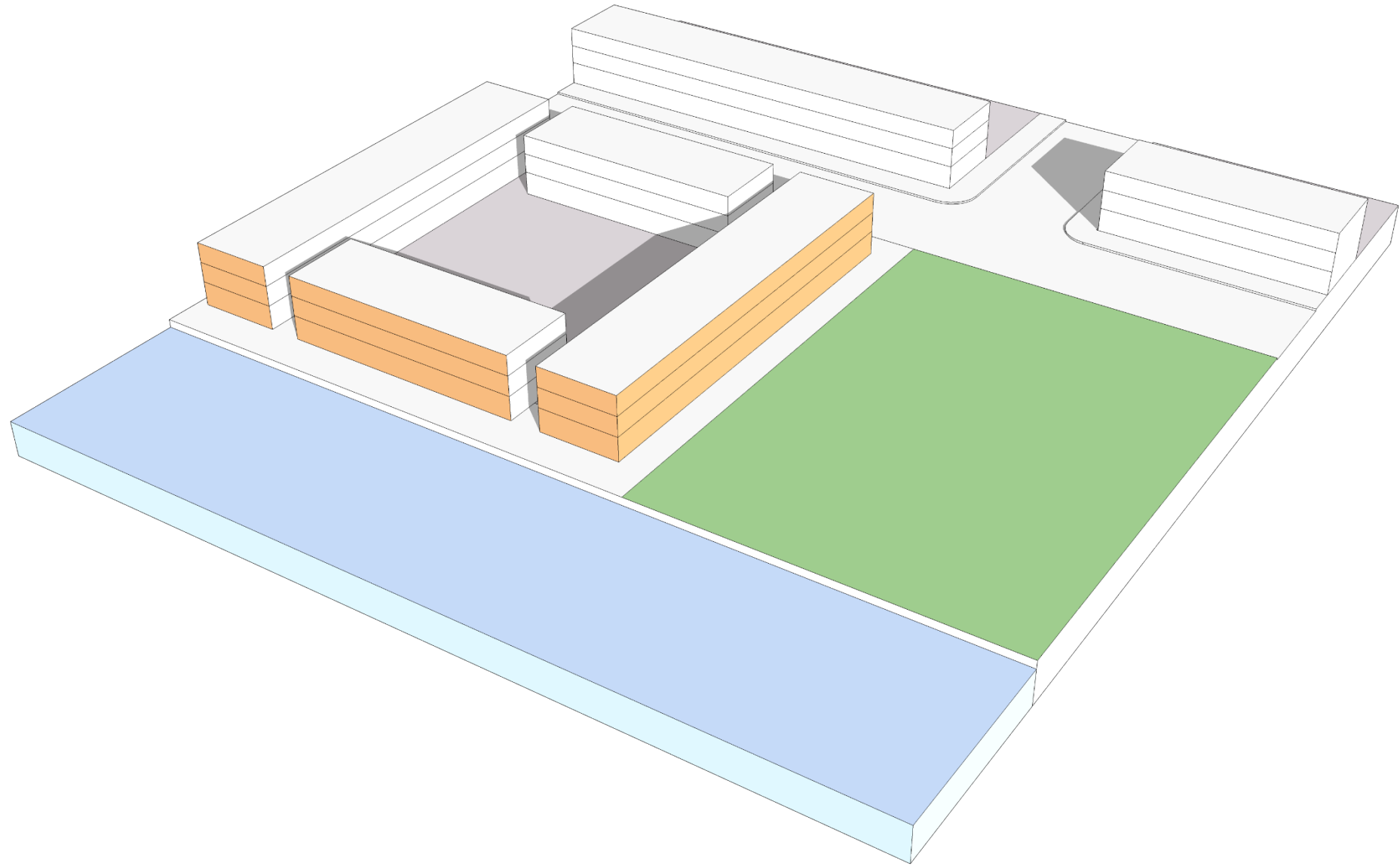


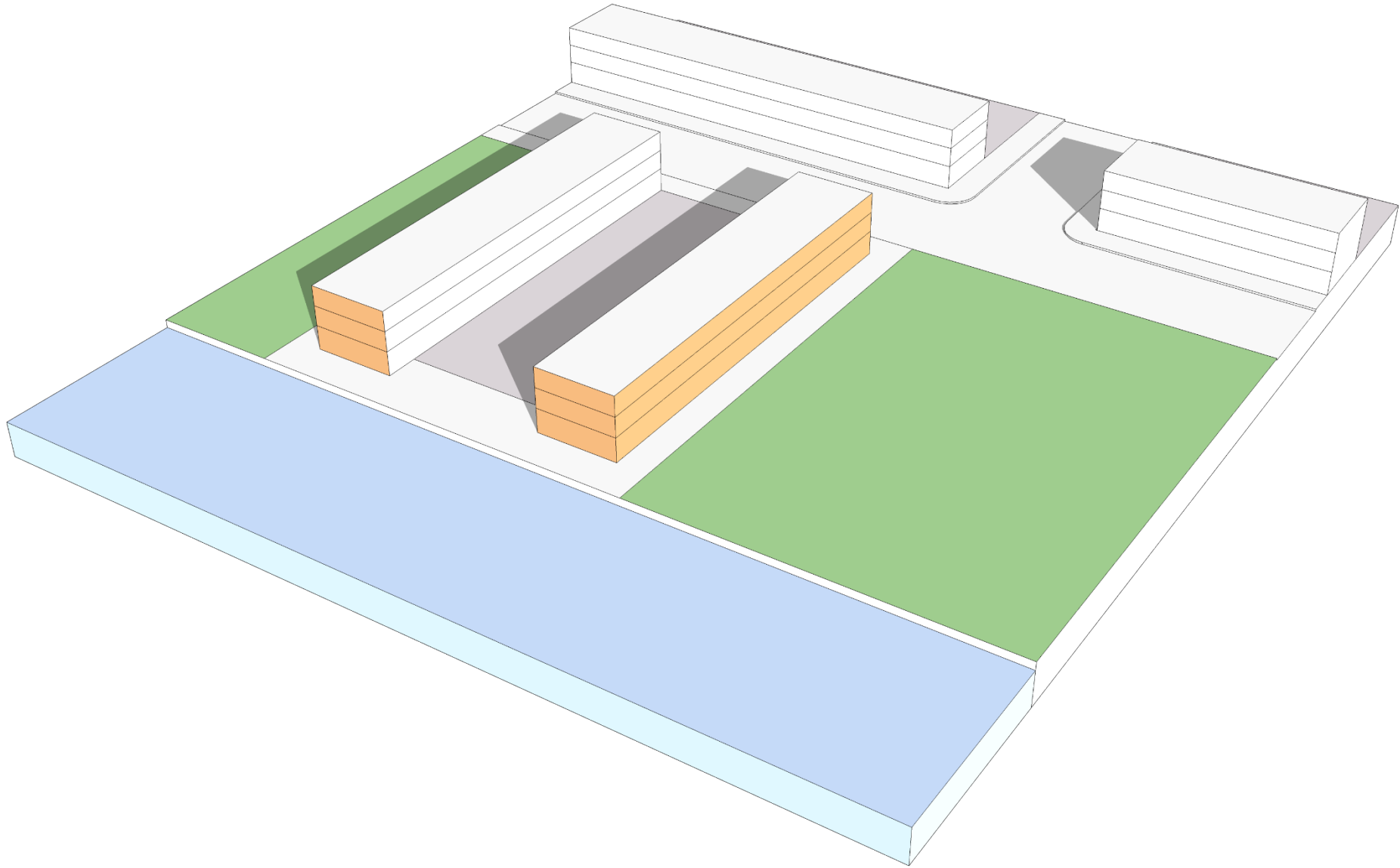


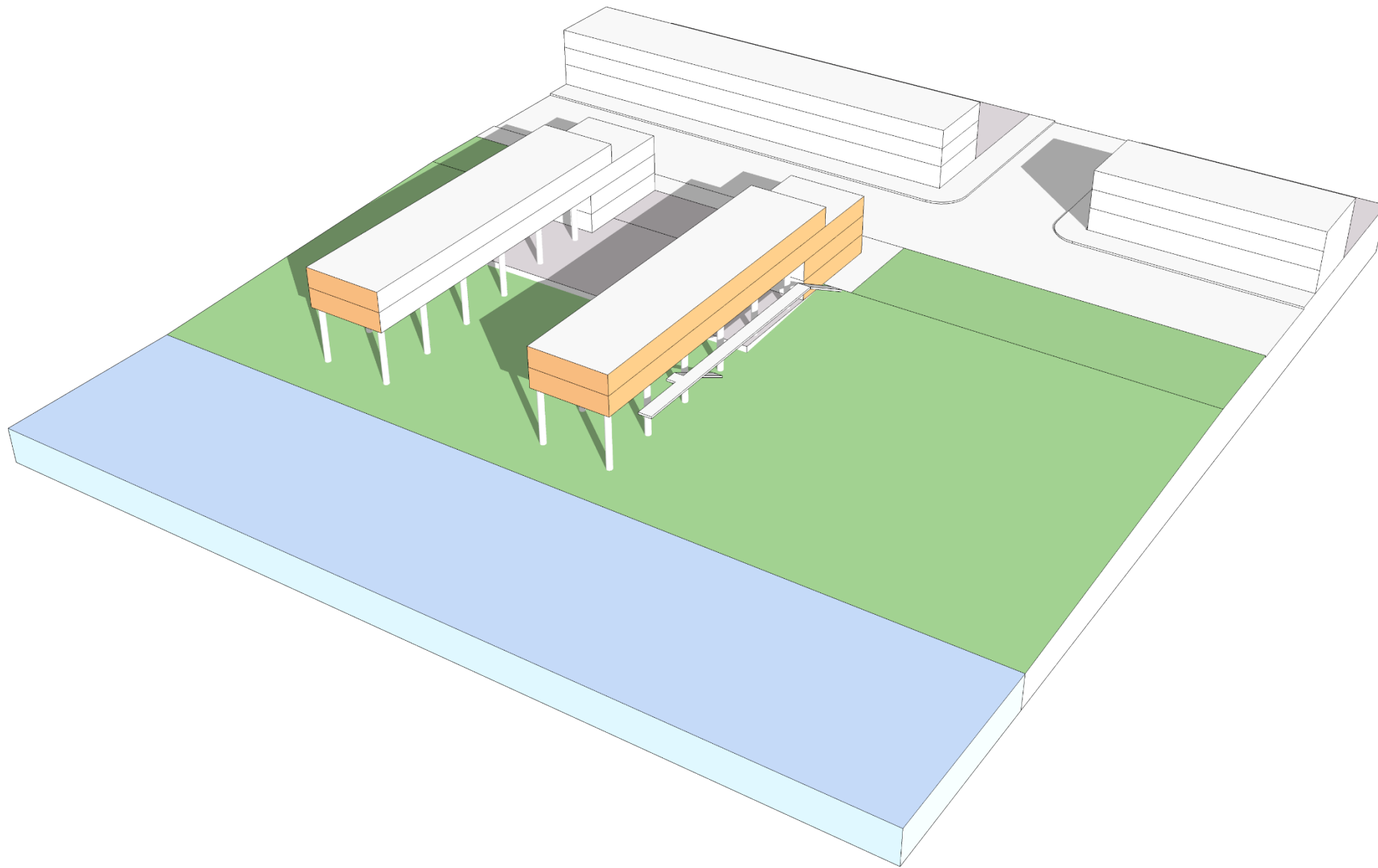


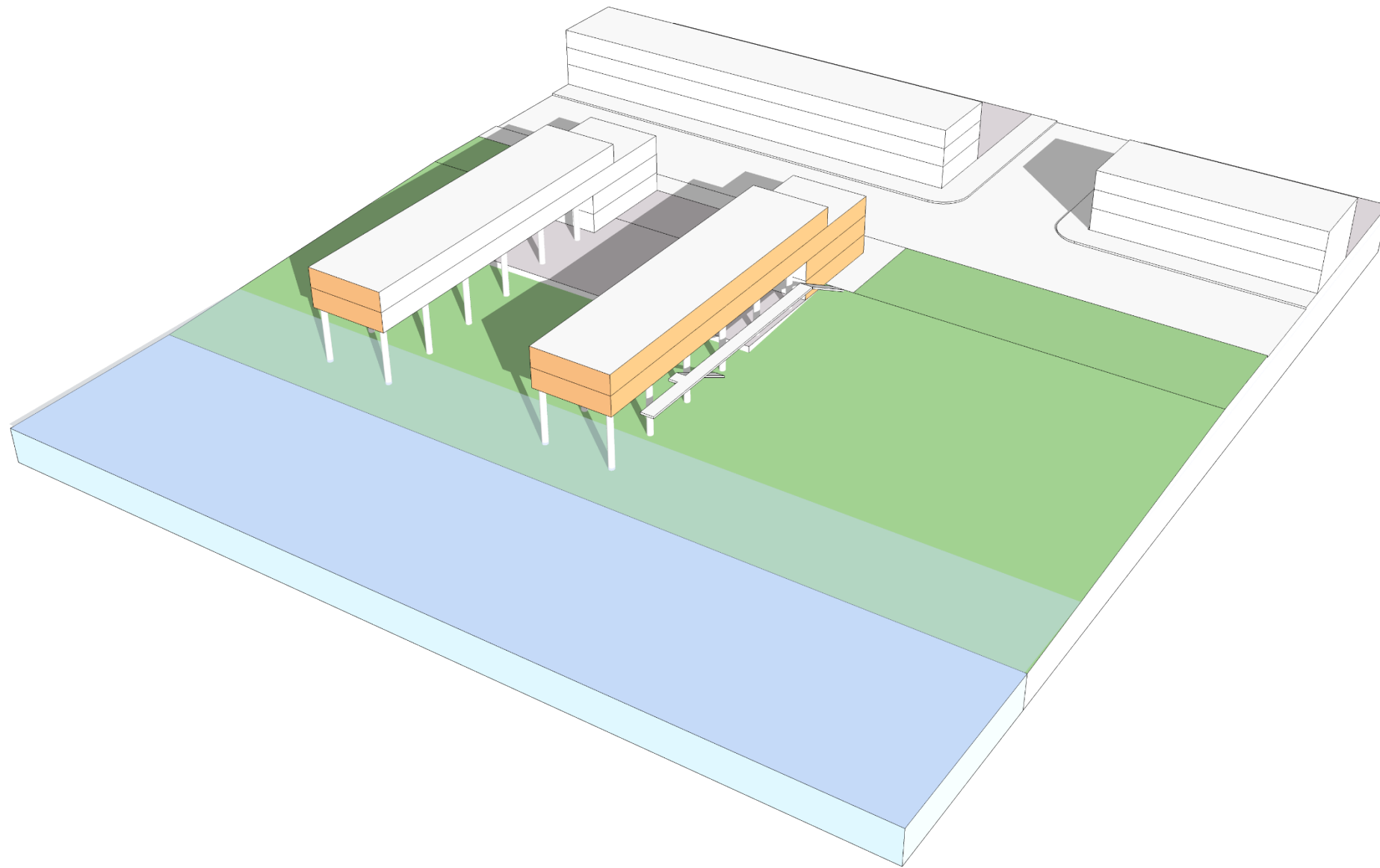


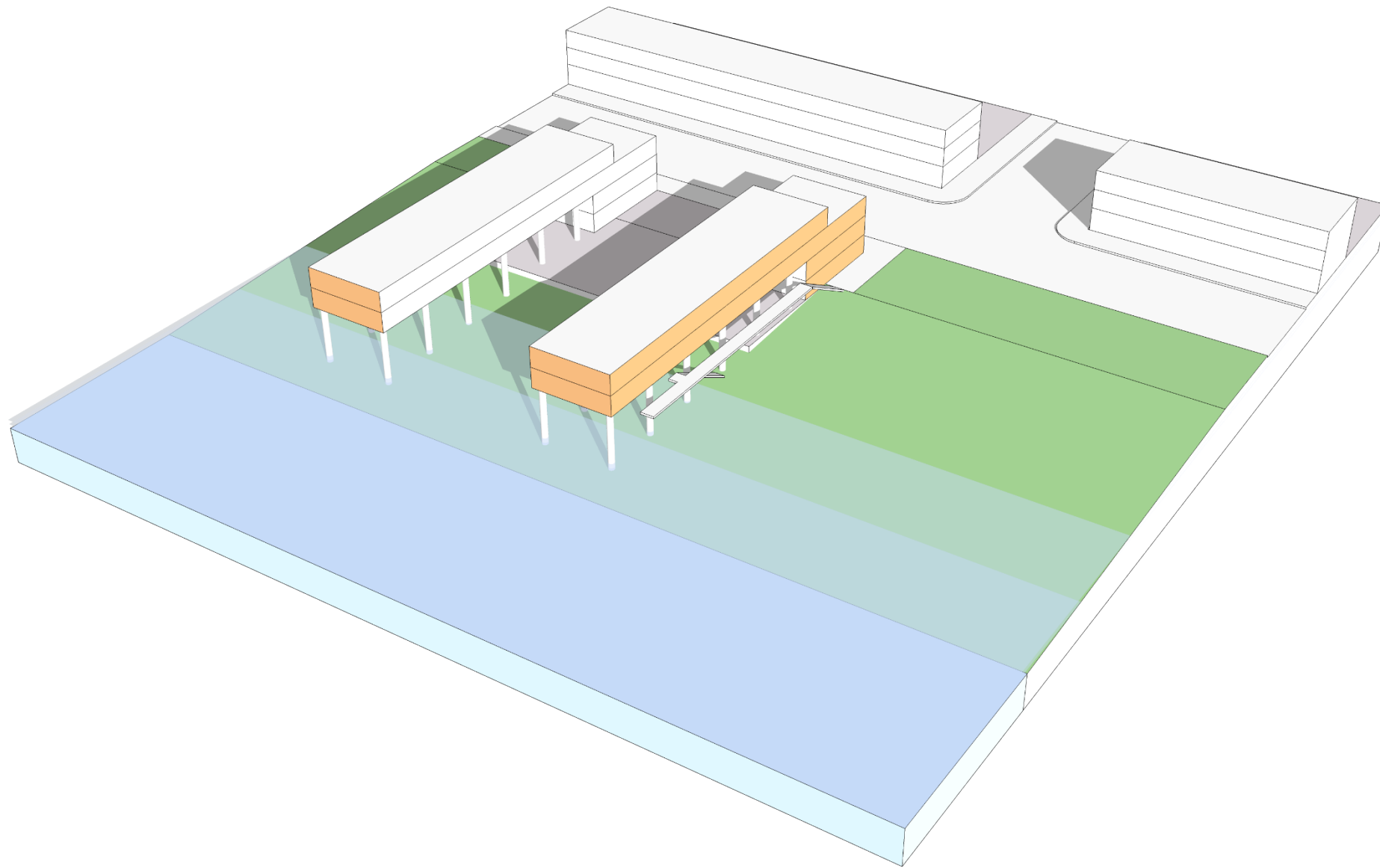


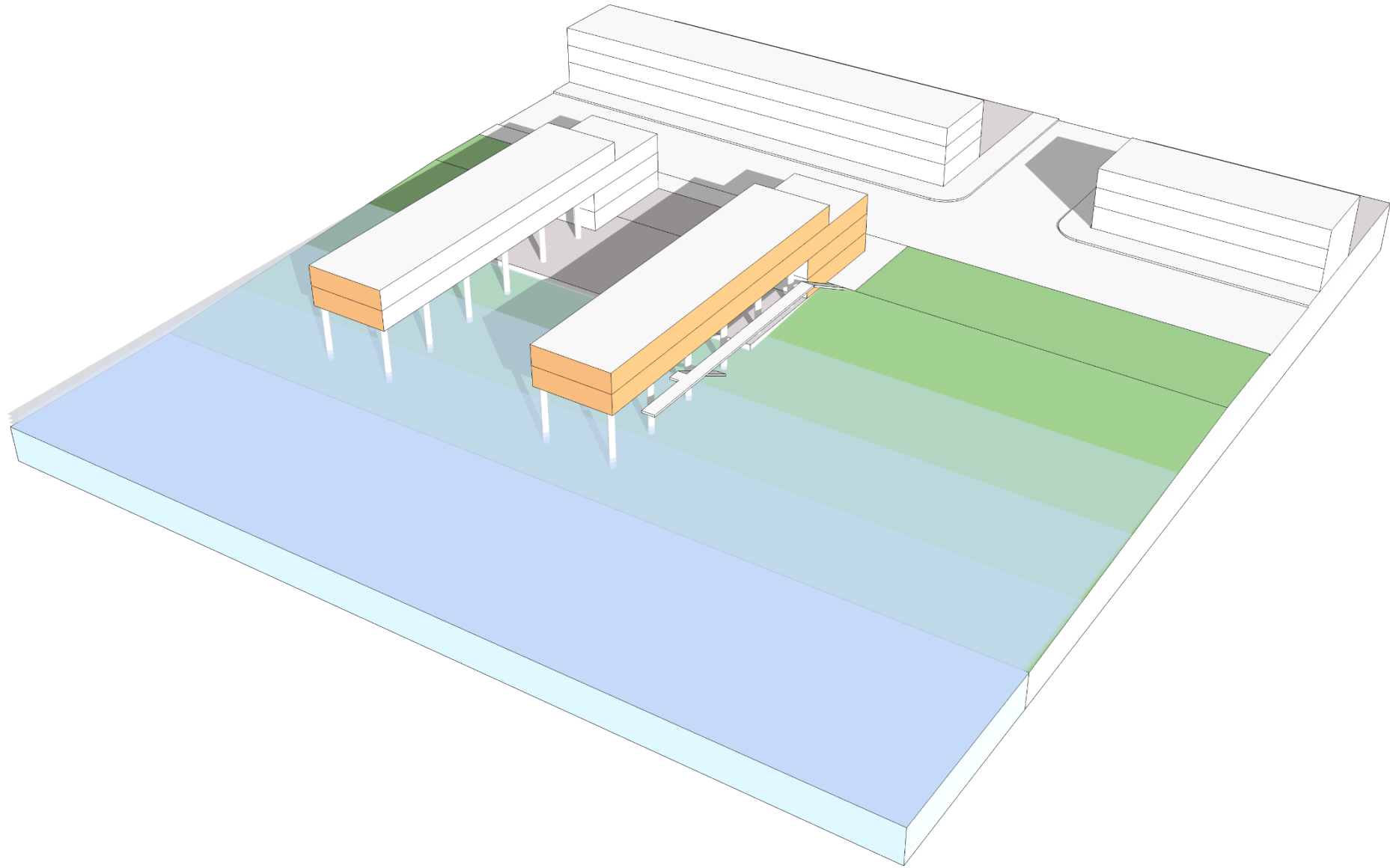


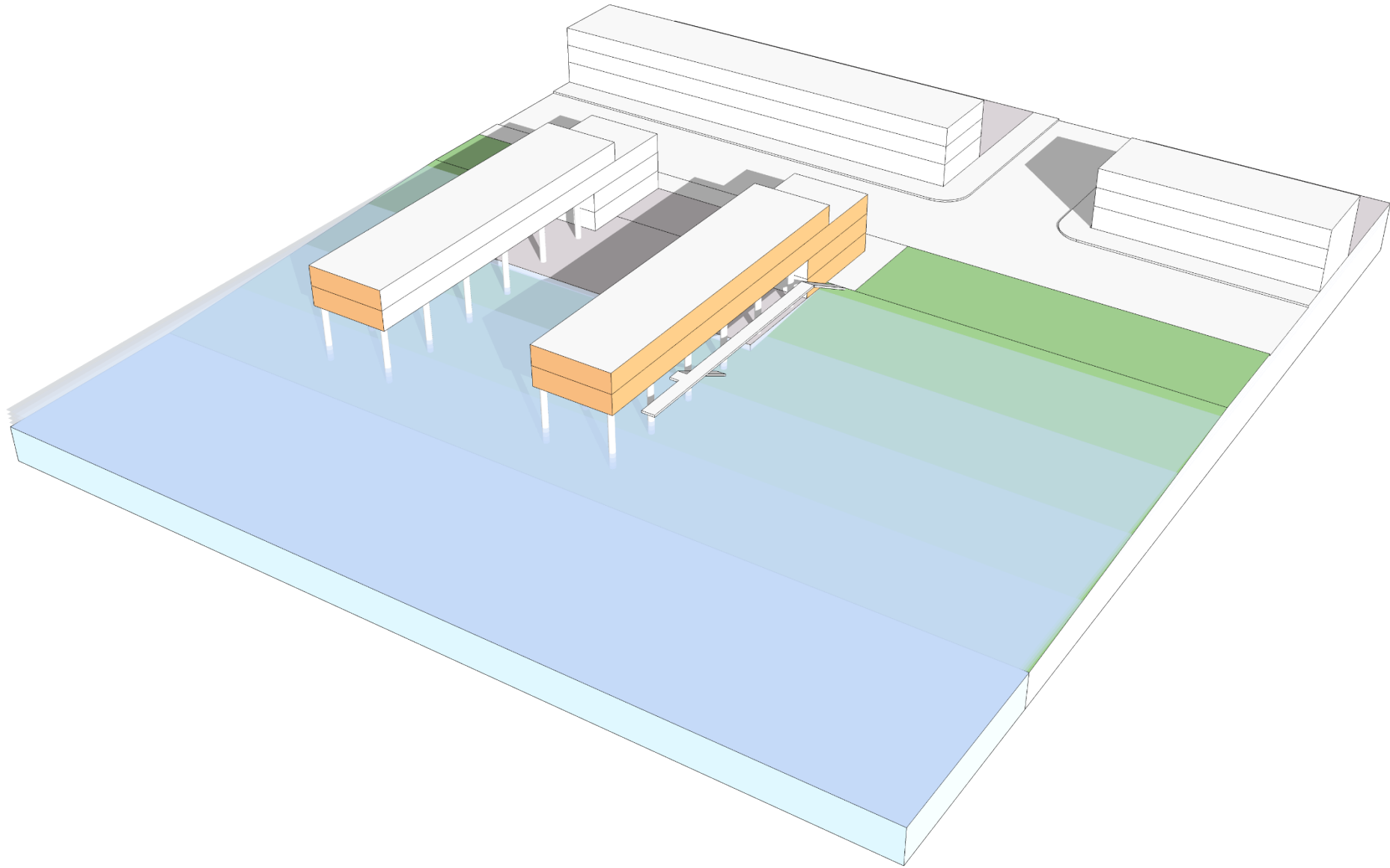


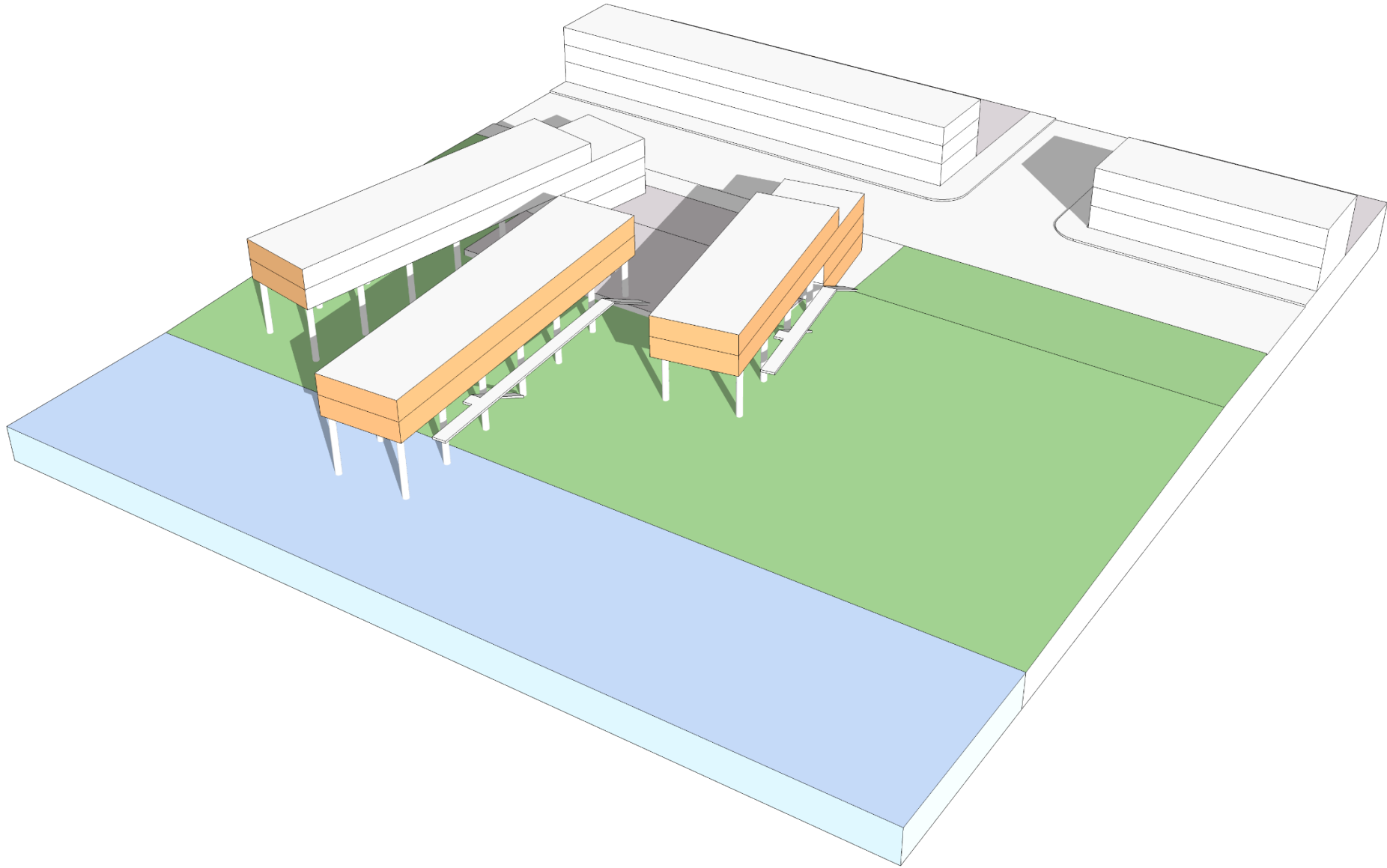


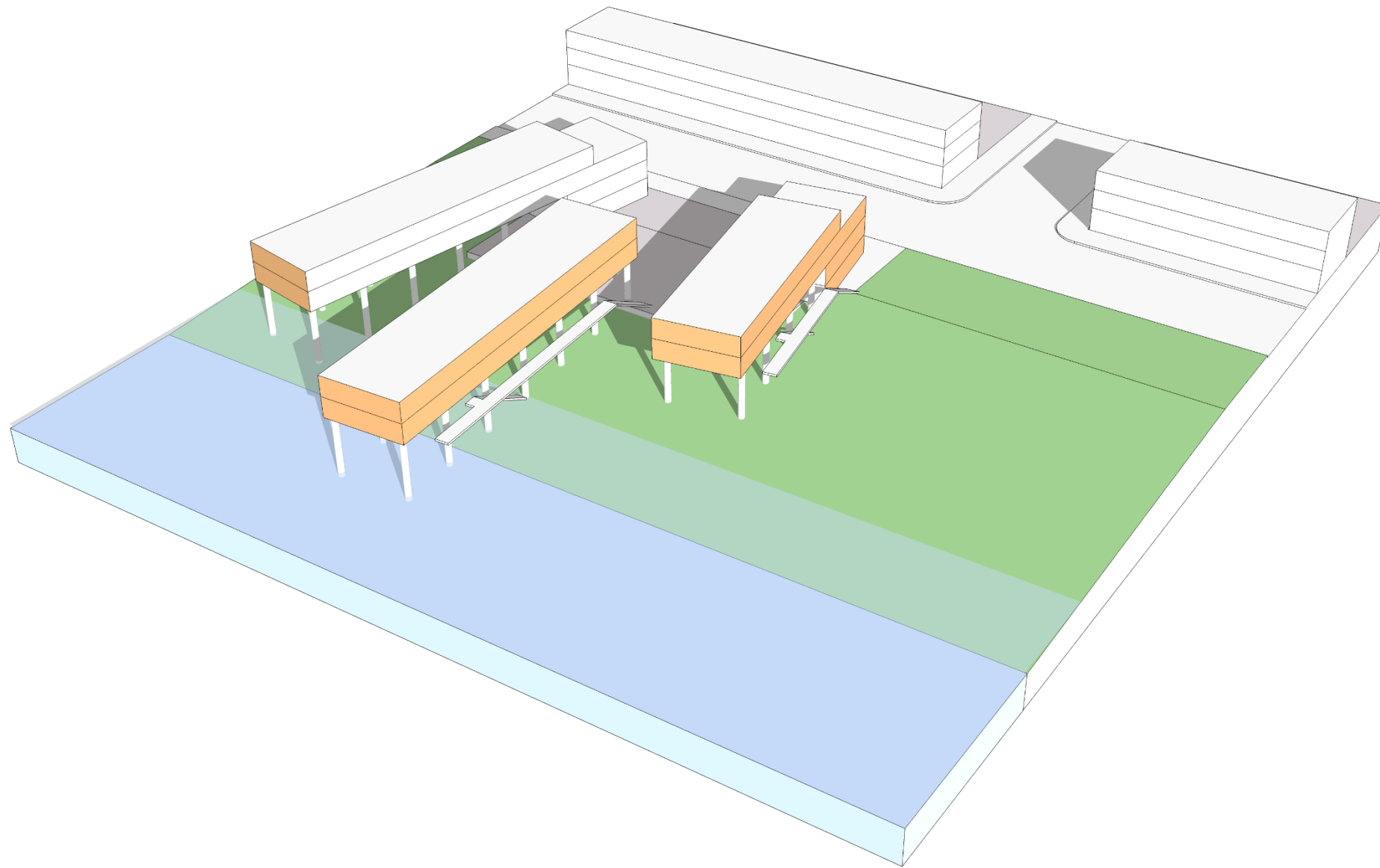


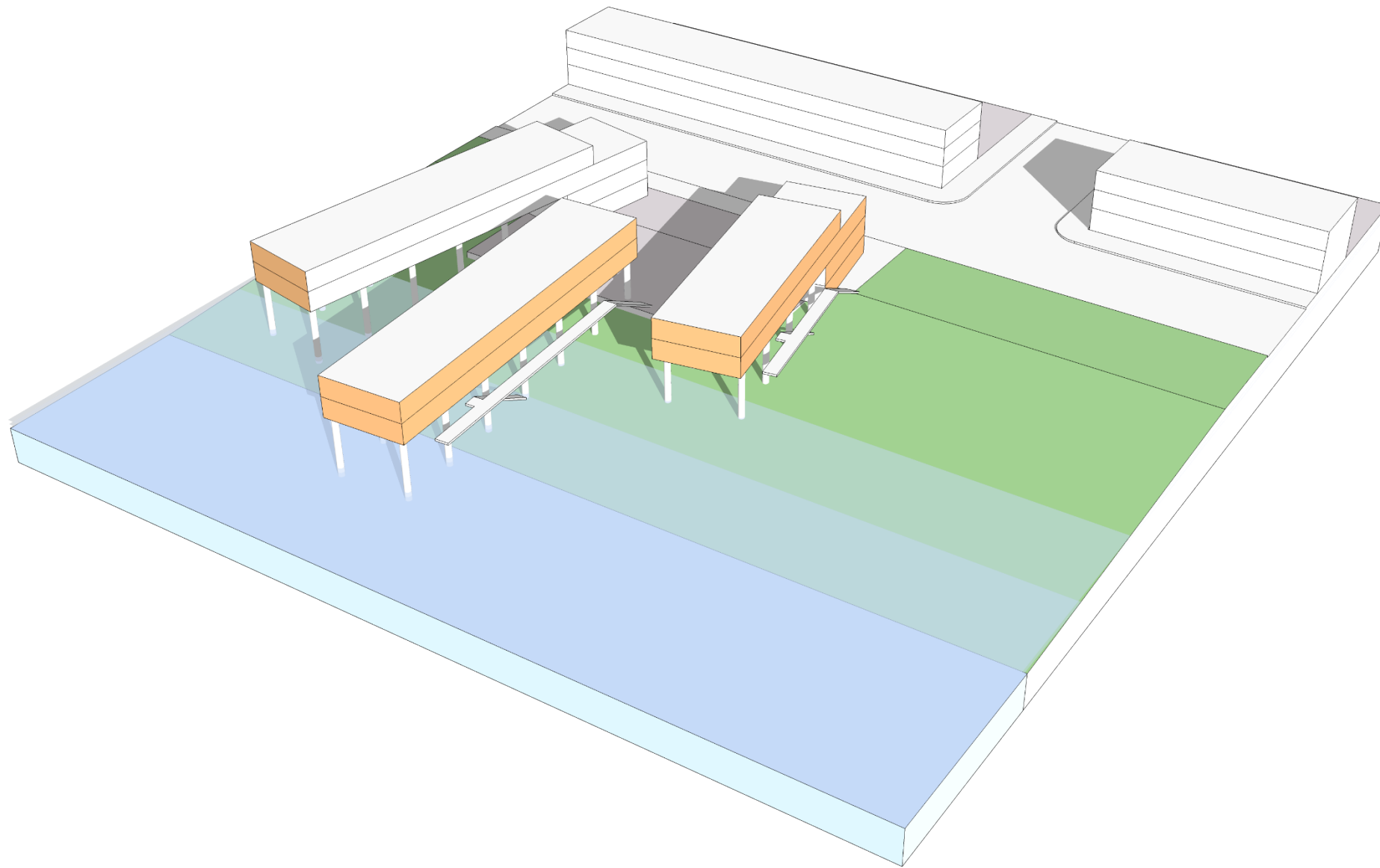


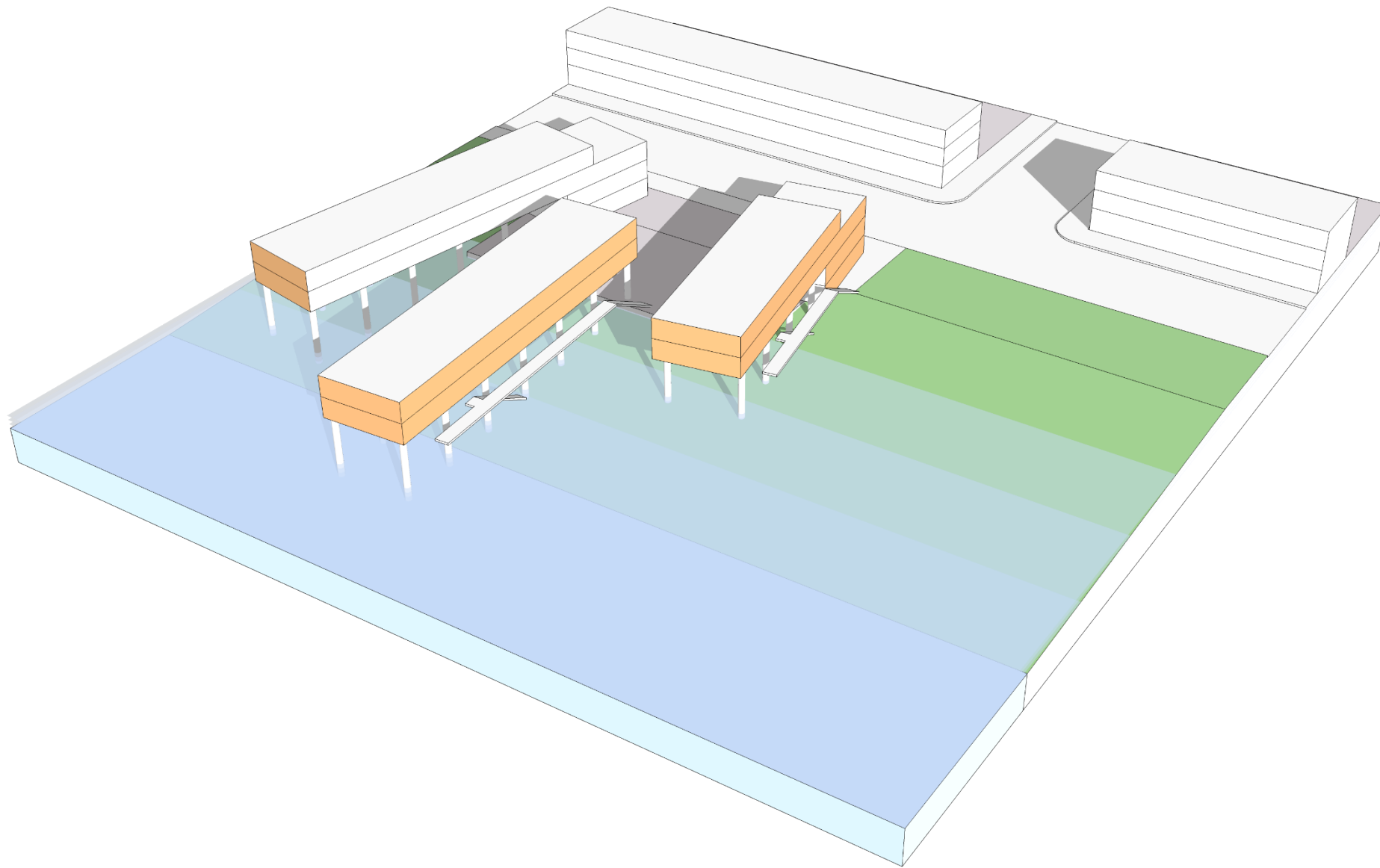








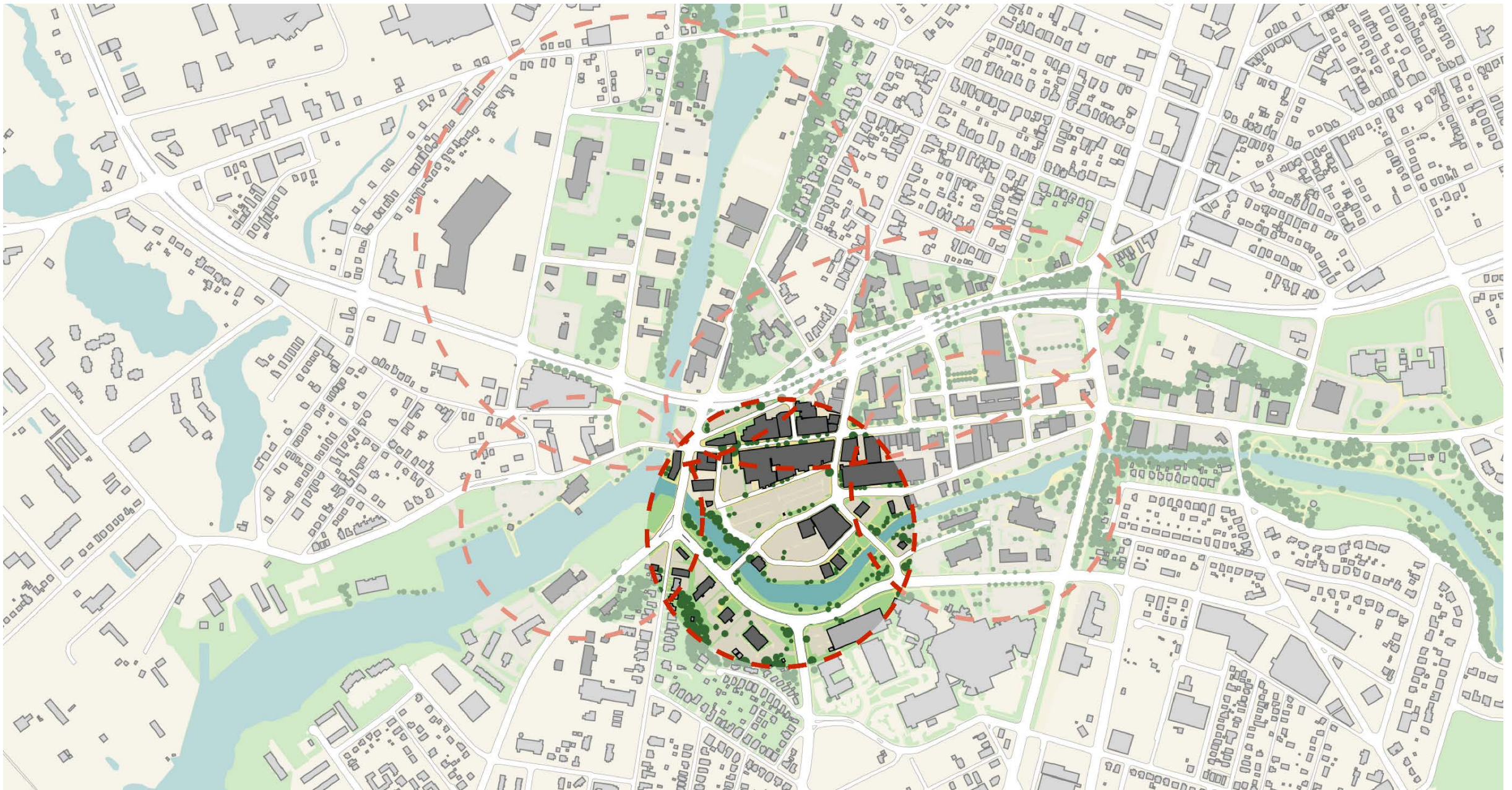






DOWNTOWN PLAZA

Daniel Moreno-Holt **B6**



DOWNTOWN PLAZA

Daniel Moreno-Holt **B6**



DOWNTOWN PLAZA

Existing Condition

Daniel Moreno-Holt **B6**





DOWNTOWN PLAZA

Proposed Street Network

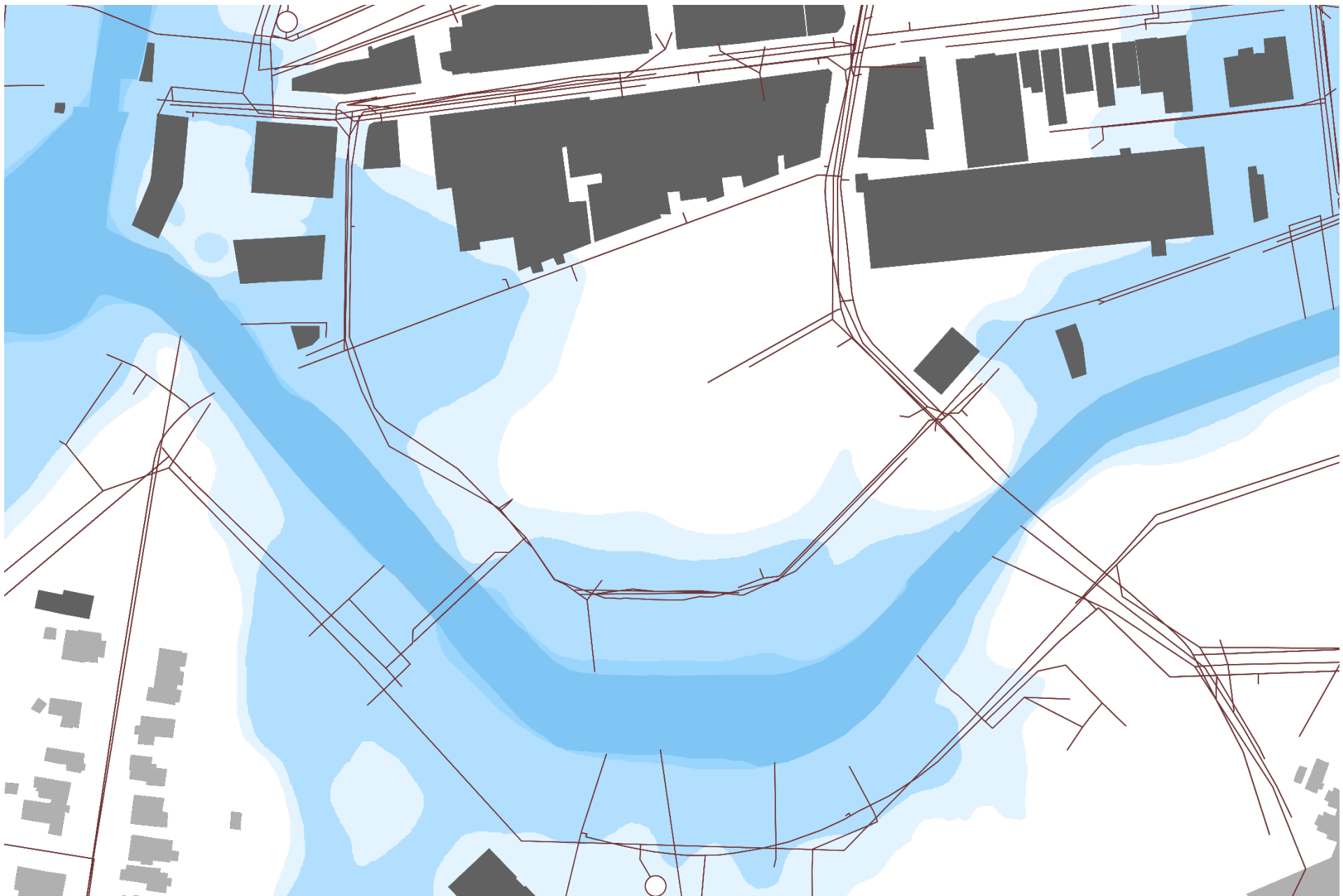
Daniel Moreno-Holt **B6**



DOWNTOWN PLAZA

Sea Level Rise Sensitivity

Daniel Moreno-Holt **B6**





DOWNTOWN PLAZA

Proposed Footprint

Daniel Moreno-Holt **B6**



DOWNTOWN PLAZA

Proposed Footprint

Daniel Moreno-Holt **B6**





DOWNTOWN PLAZA

Proposed Contours Sea Rise

Daniel Moreno-Holt **B6**



DOWNTOWN PLAZA

Living Shorelines

Daniel Moreno-Holt **B6**



DOWNTOWN PLAZA

Proposed Figure Ground

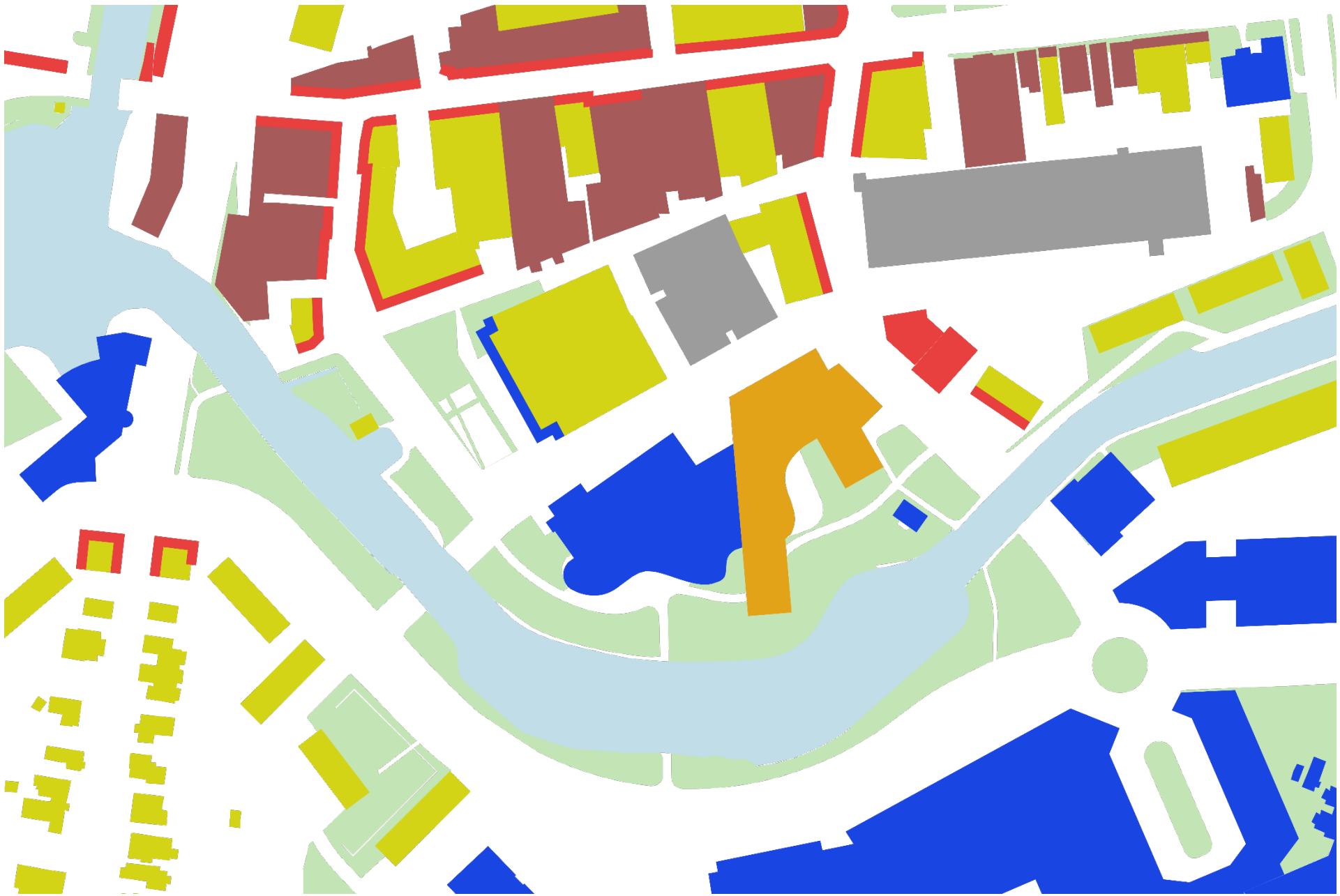
Daniel Moreno-Holt **B6**



DOWNTOWN PLAZA

Establishing Place

Daniel Moreno-Holt **B6**



- Residential
- Office
- Retail
- Civic/Inst.
- Industrial
- Hotel

DOWNTOWN PLAZA

Proposed Uses

Daniel Moreno-Holt **B6**





DOWNTOWN WATERFRONT

Ground Plan

Daniel Moreno-Holt **B6**



Ground Plan – 3' Sea Rise









DOWNTOWN WATERFRONT

Plaza Aerial

Daniel Moreno-Holt **B6**



DOWNTOWN WATERFRONT

Plaza Aerial – 3' Sea Rise

Daniel Moreno-Holt **B6**



DOWNTOWN WATERFRONT

Plaza Aerial – 6' Sea Rise

Daniel Moreno-Holt **B6**



DOWNTOWN WATERFRONT

Plaza Aerial – 8' Sea Rise

Daniel Moreno-Holt **B6**



DOWNTOWN WATERFRONT

Plaza Aerial – 8' Sea Rise

Daniel Moreno-Holt **B6**



DOWNTOWN WATERFRONT

Plaza Perspective

Daniel Moreno-Holt **B6**



DOWNTOWN WATERFRONT

Plaza Perspective – 6' Sea Rise

Daniel Moreno-Holt **B6**



DOWNTOWN WATERFRONT

Plaza Perspective – 8' Sea Rise

Daniel Moreno-Holt **B6**



DOWNTOWN WATERFRONT

Plaza Section

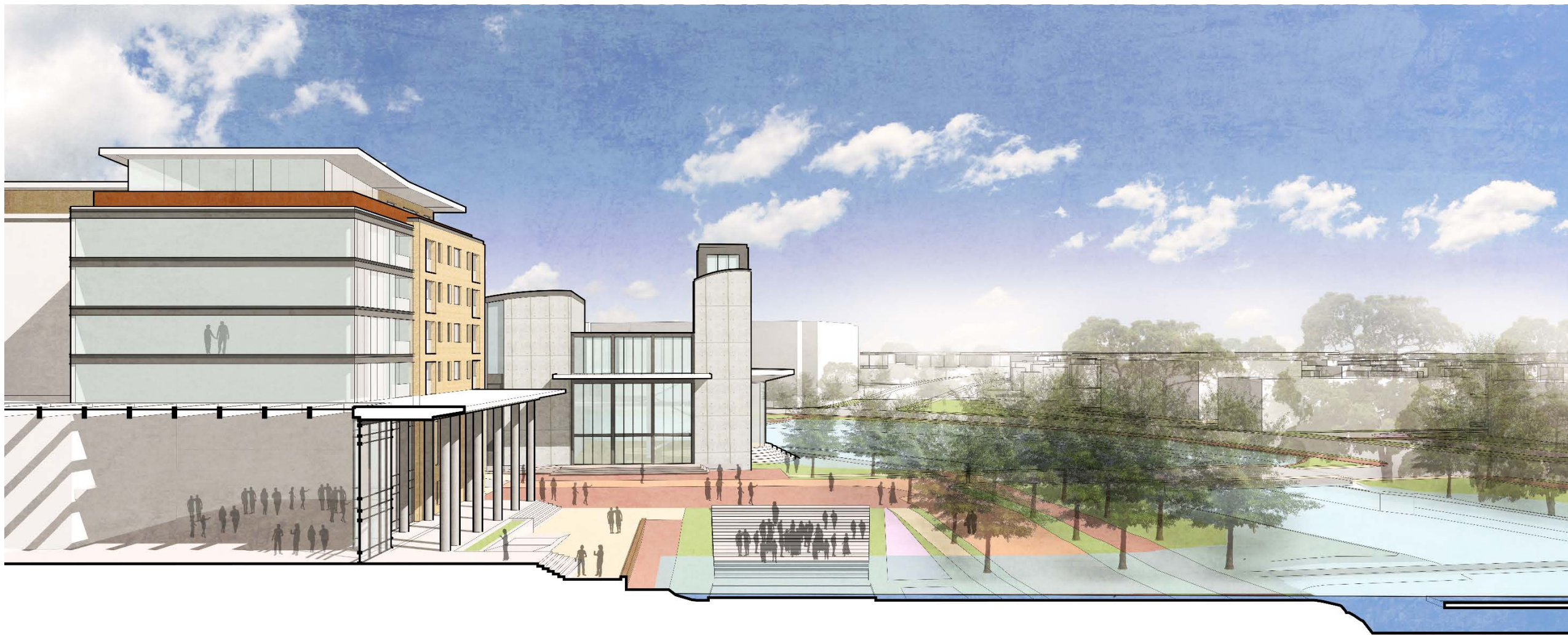
Daniel Moreno-Holt **B6**



DOWNTOWN WATERFRONT

Plaza Section – 3' Sea Rise

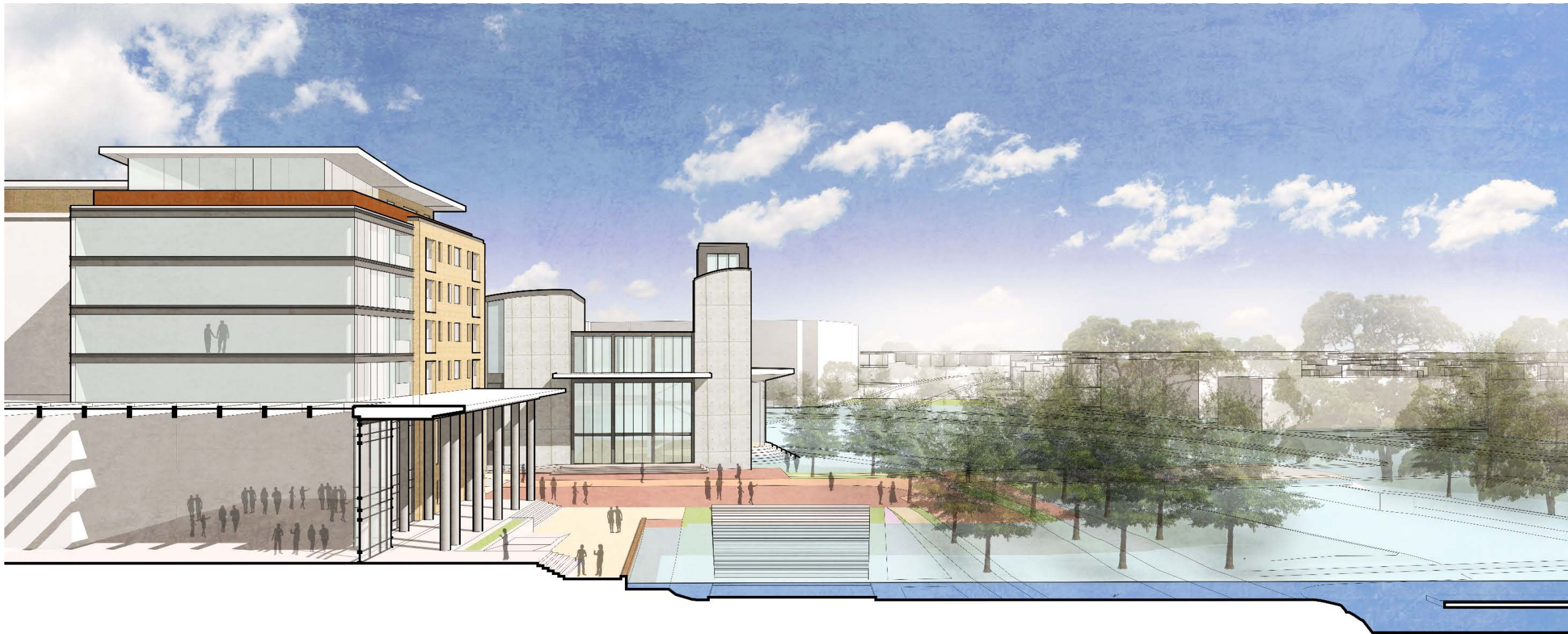
Daniel Moreno-Holt **B6**



DOWNTOWN WATERFRONT

Plaza Section – 6' Sea Rise

Daniel Moreno-Holt **B6**



DOWNTOWN WATERFRONT

Plaza Section – 8' Sea Rise

Daniel Moreno-Holt **B6**



DOWNTOWN WATERFRONT

0' Sea Rise

Daniel Moreno-Holt **B6**



DOWNTOWN WATERFRONT

3' Sea Rise

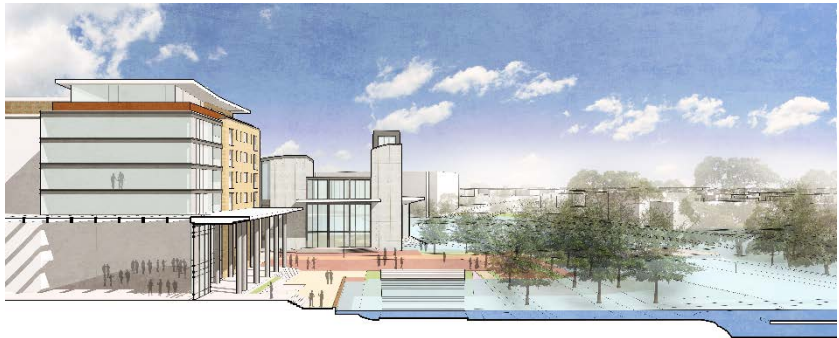
Daniel Moreno-Holt **B6**



DOWNTOWN WATERFRONT

6' Sea Rise

Daniel Moreno-Holt **B6**



DOWNTOWN WATERFRONT

8' Sea Rise

Daniel Moreno-Holt **B6**



DOWNTOWN PLAZA

Performance Hall Perspective

Daniel Moreno-Holt **B6**



DOWNTOWN PLAZA

Daniel Moreno-Holt **B6**

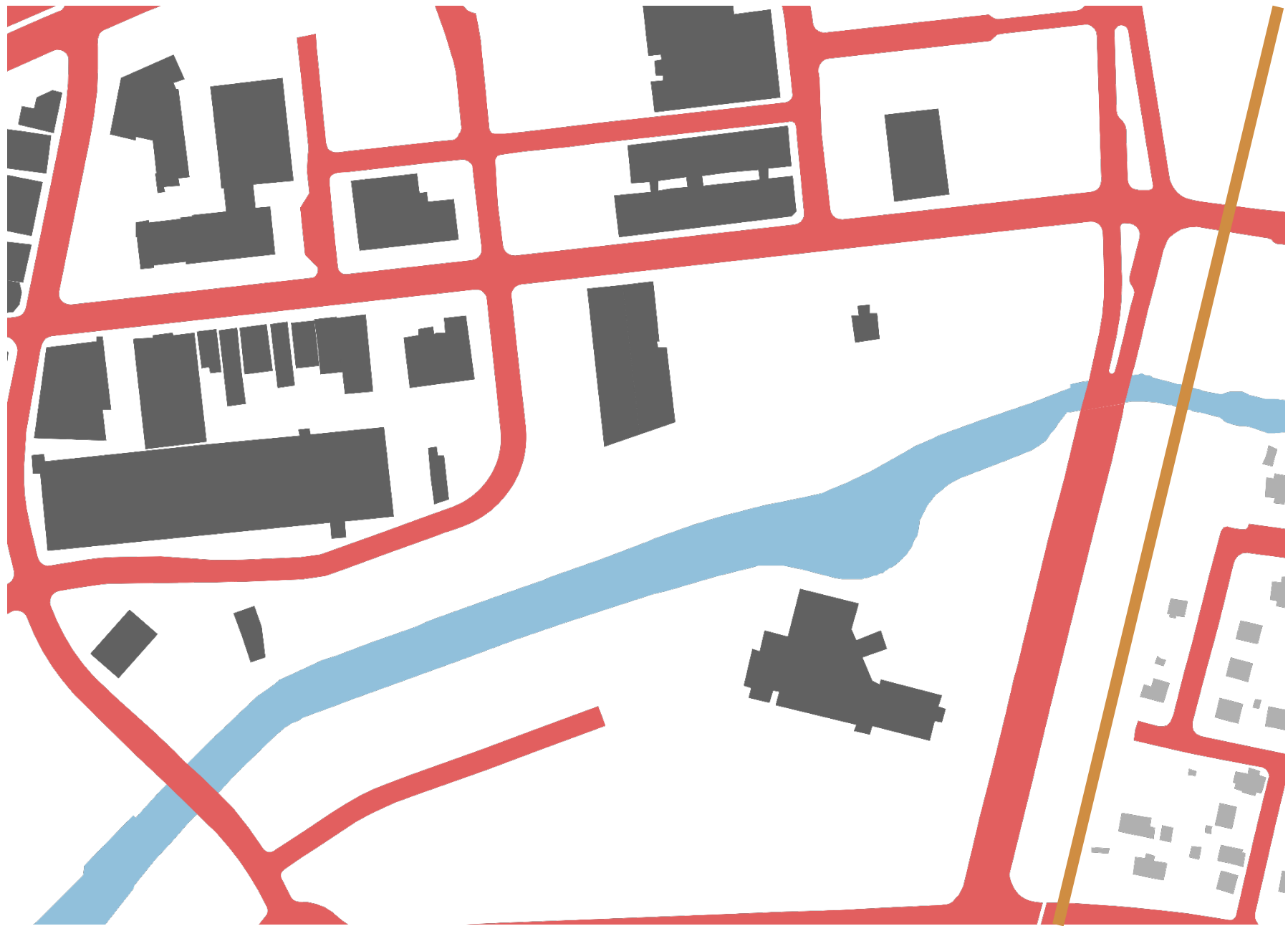


SOUTH PRONG

Existing Conditions

Daniel Moreno-Holt **B6**





SOUTH PRONG

Proposed Street Grid

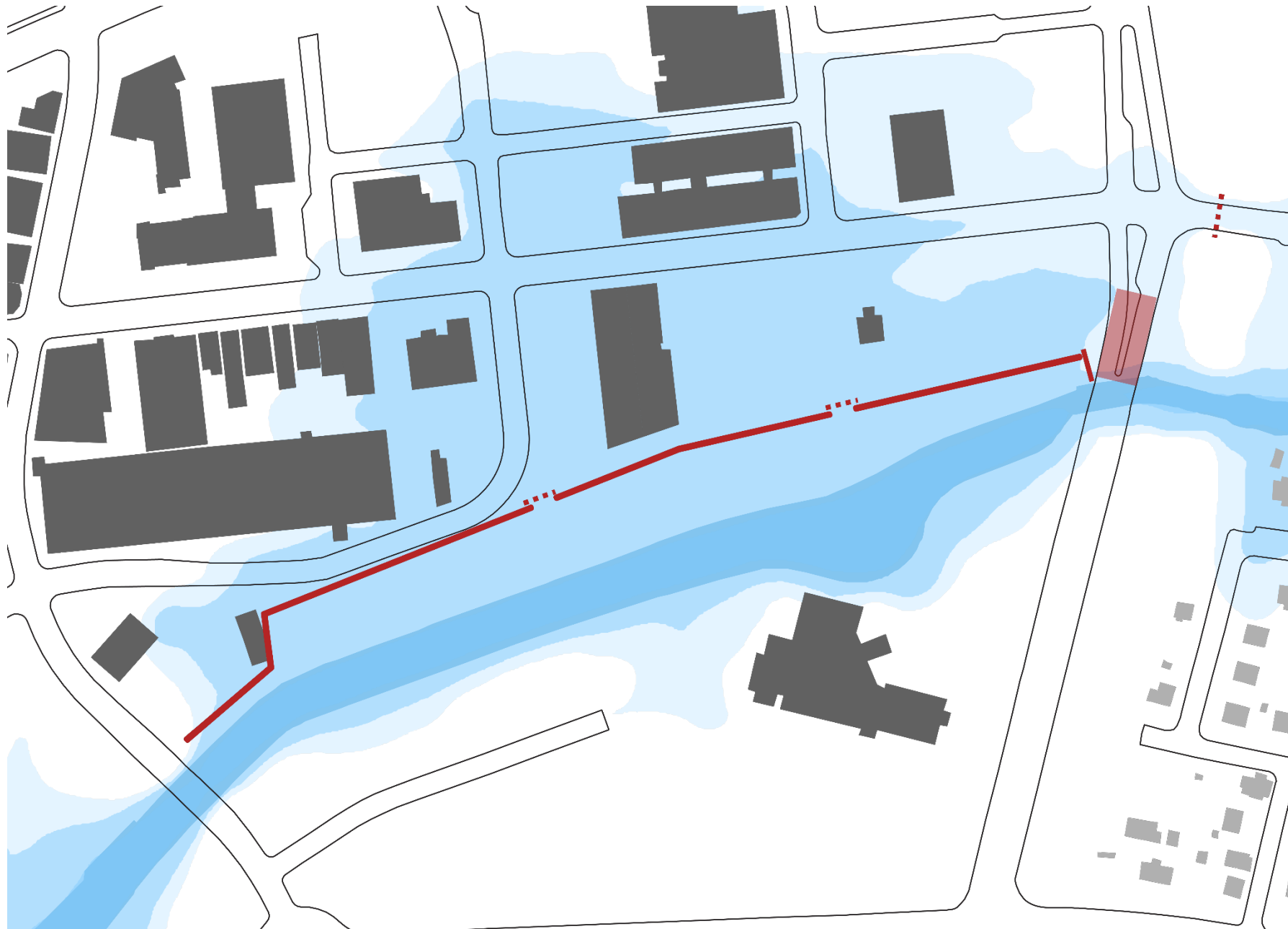
Daniel Moreno-Holt **B6**



SOUTH PRONG

Sea Level Rise Sensitivity

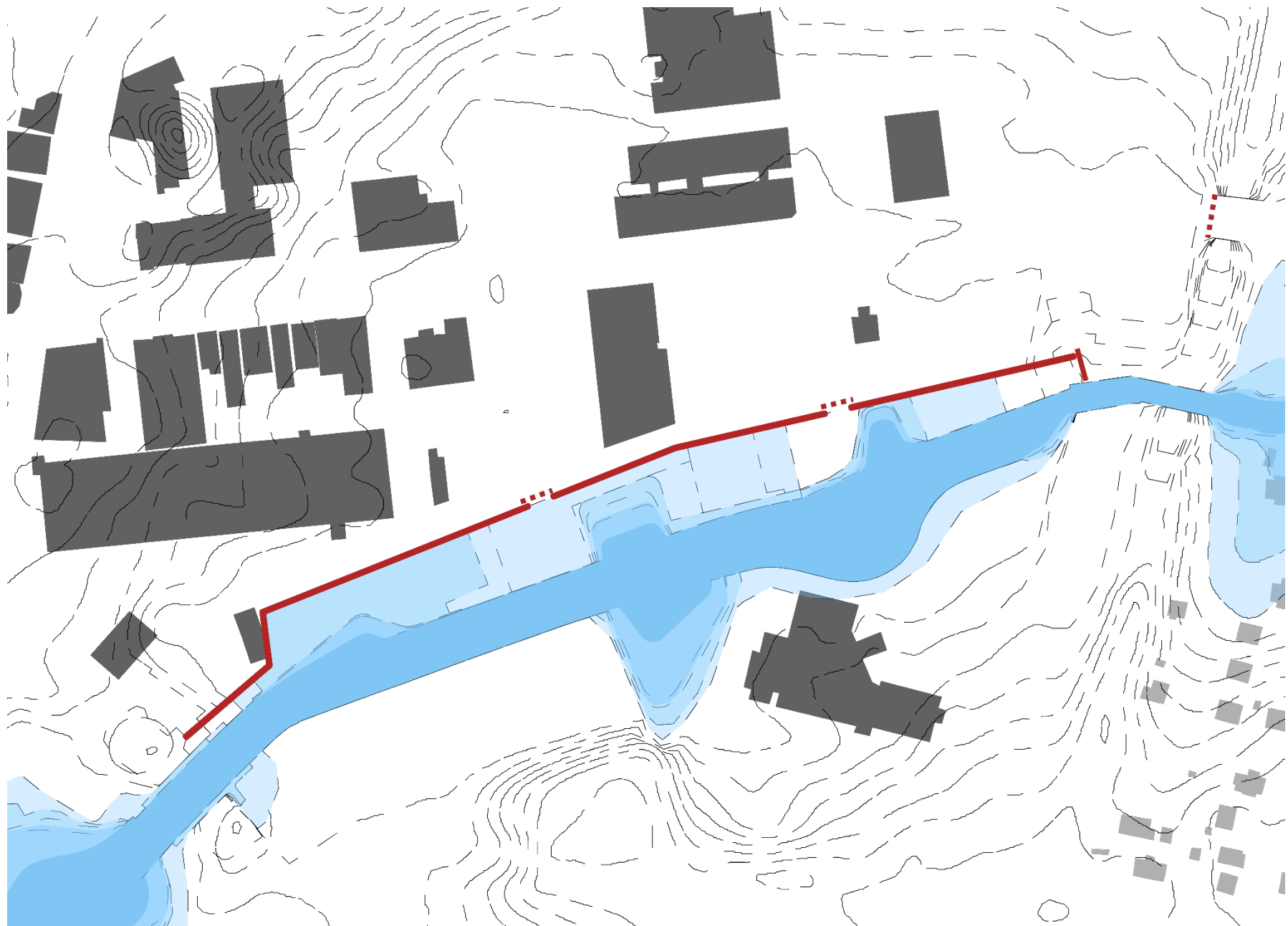
Daniel Moreno-Holt **B6**



SOUTH PRONG

Flooding Protection

Daniel Moreno-Holt **B6**



SOUTH PRONG

Proposed Contours Sea Rise

Daniel Moreno-Holt **B6**



SOUTH PRONG

Underground Utilities

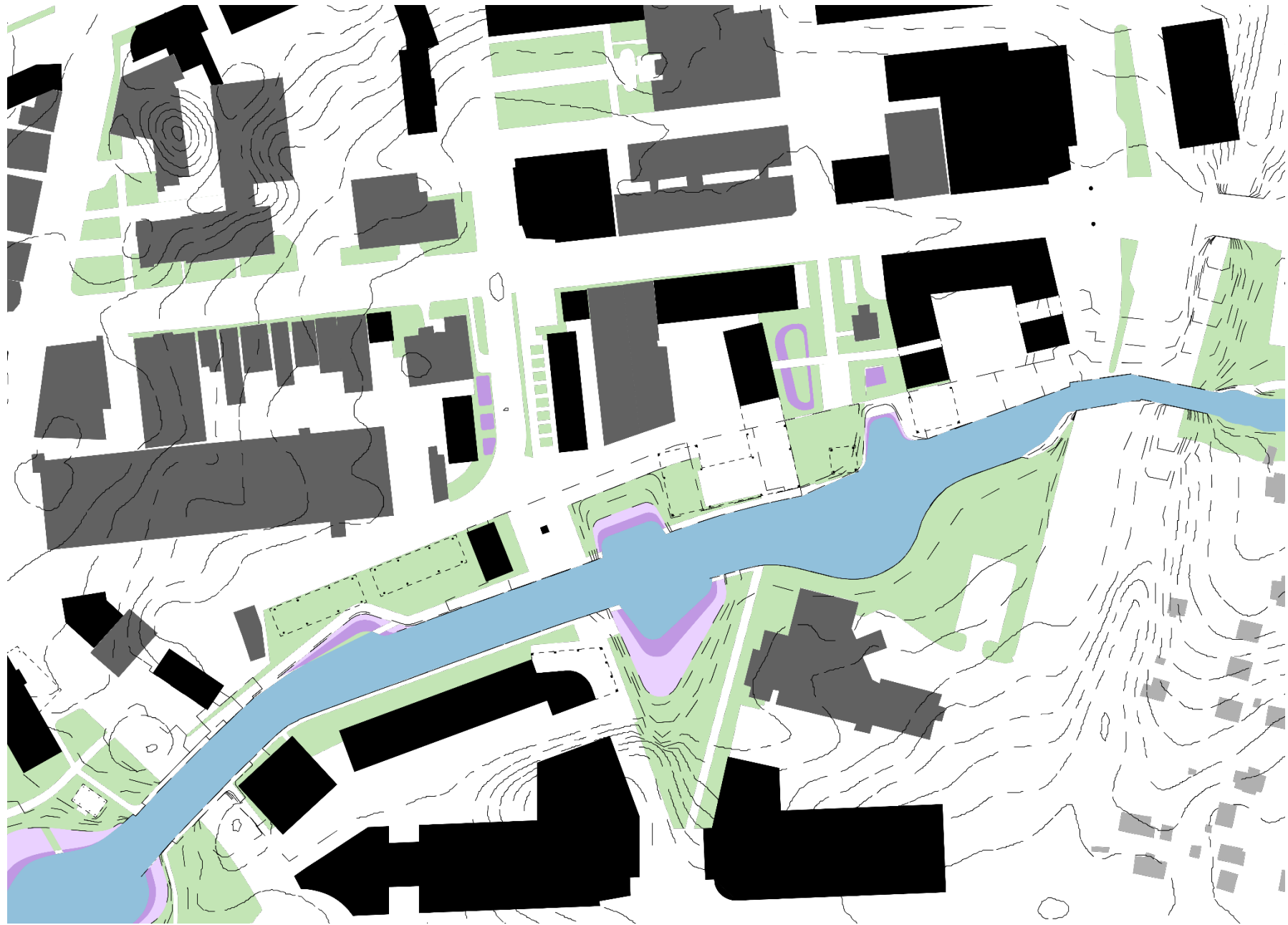
Daniel Moreno-Holt **B6**



SOUTH PRONG

Proposed Footprint

Daniel Moreno-Holt **B6**



SOUTH PRONG

Stormwater Mitigation

Daniel Moreno-Holt **B6**

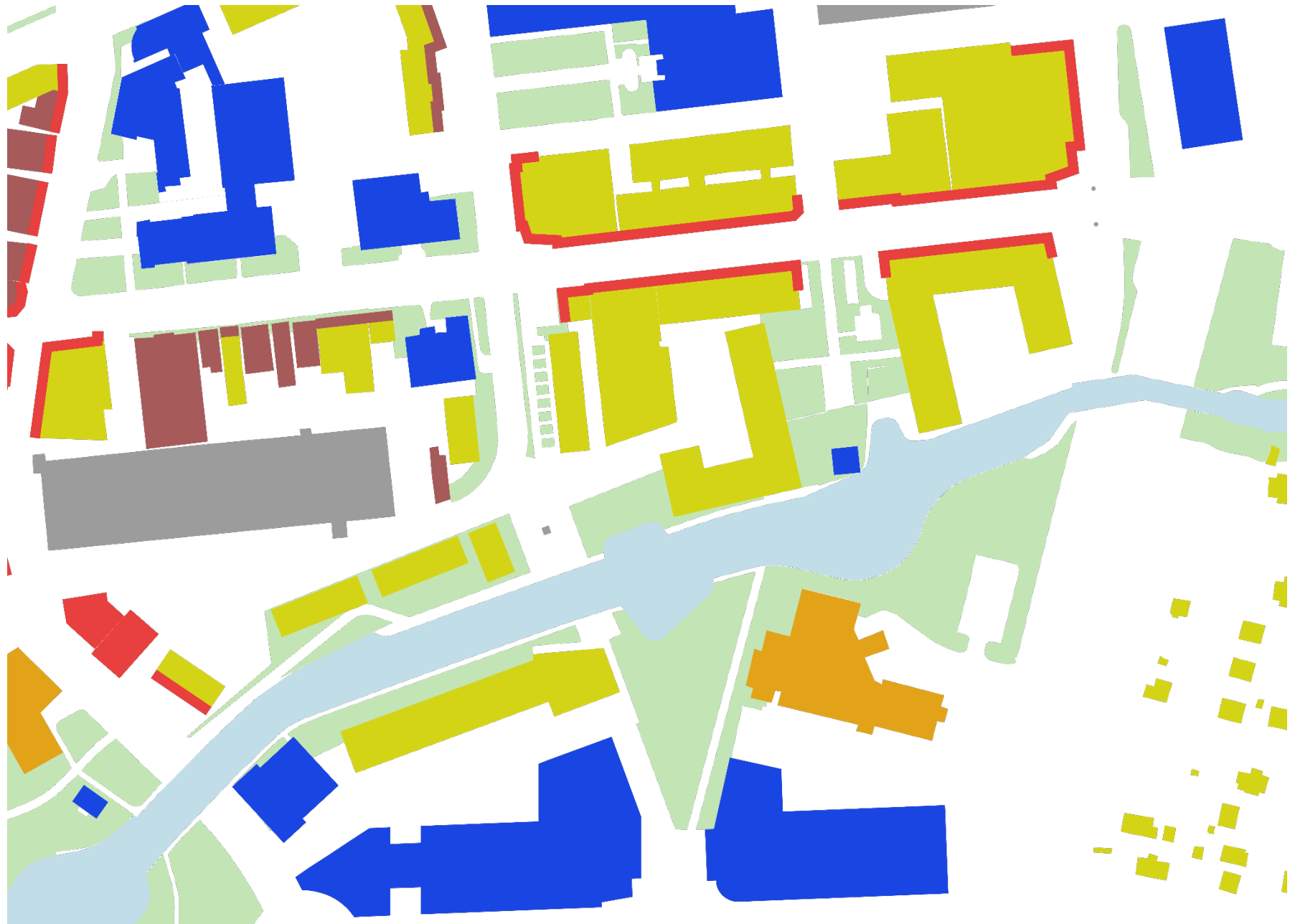


SOUTH PRONG

Proposed Figure Ground

Daniel Moreno-Holt **B6**





- Residential
- Office
- Retail
- Civic/Institutional
- Industrial
- Hotel

SOUTH PRONG

Proposed Uses

Daniel Moreno-Holt **B6**



SOUTH PRONG

Proposed Site Plan

Daniel Moreno-Holt **B6**



SOUTH PRONG

Ground Plan

Daniel Moreno-Holt **B6**



SOUTH PRONG

Ground Plan – 3' Sea Rise

Daniel Moreno-Holt **B6**



SOUTH PRONG

Ground Plan – 6' Sea Rise

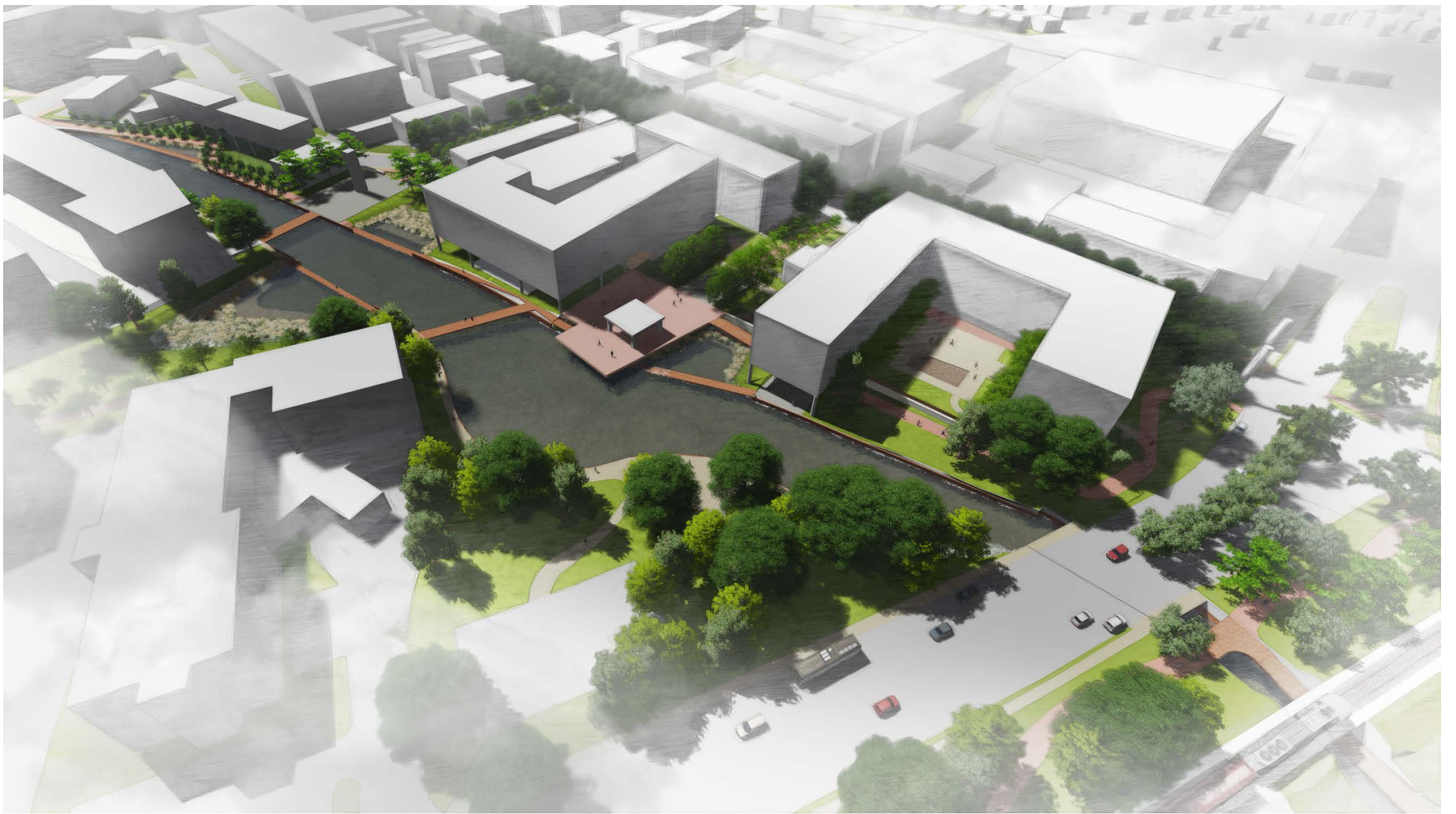
Daniel Moreno-Holt **B6**



SOUTH PRONG

Ground Plan – 8' Sea Rise

Daniel Moreno-Holt **B6**



SOUTH PRONG

Aerial Perspective

Daniel Moreno-Holt **B6**



SOUTH PRONG

Aerial Perspective – 3' Sea Rise

Daniel Moreno-Holt **B6**



SOUTH PRONG

Aerial Perspective – 6' Sea Rise

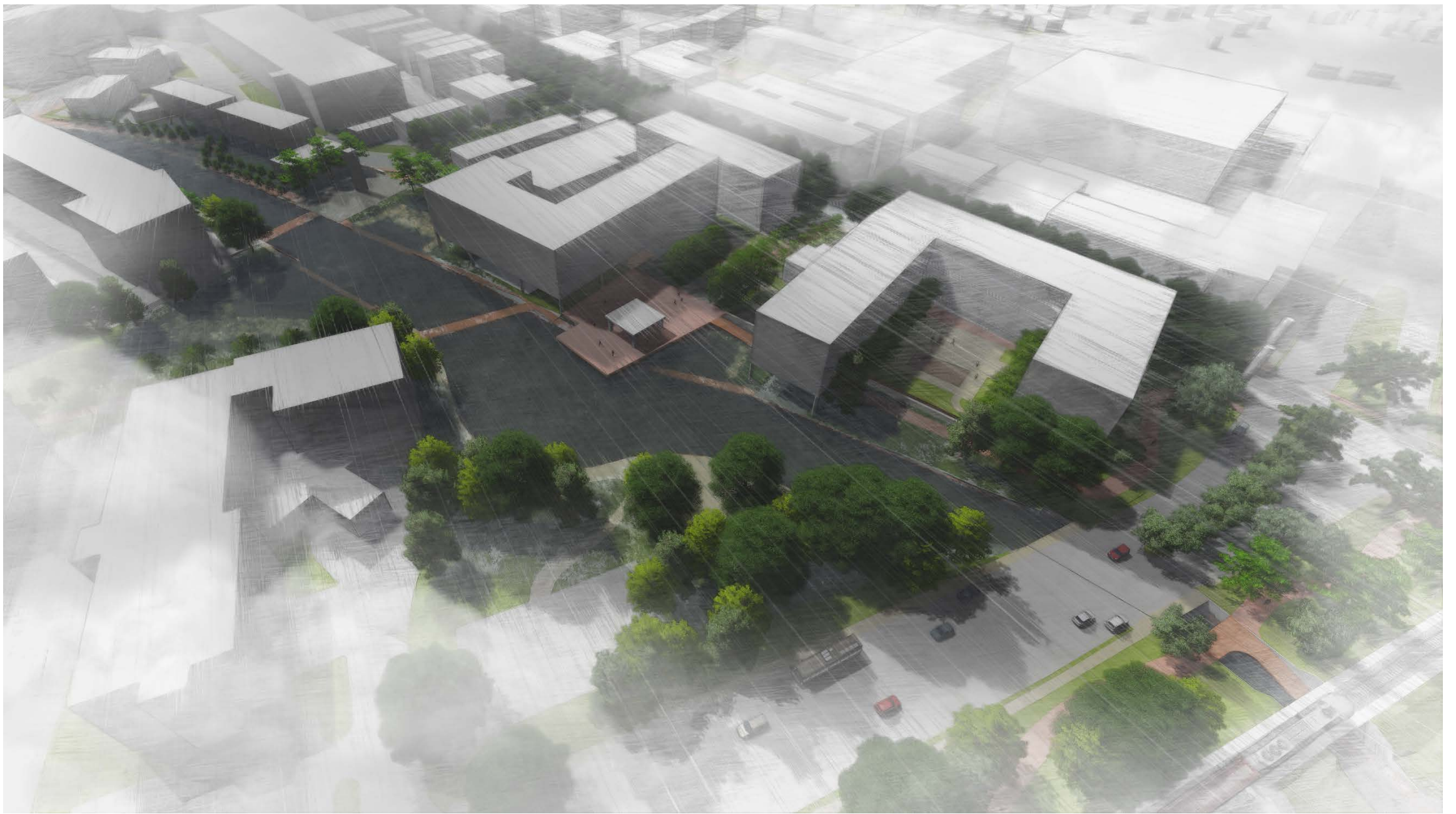
Daniel Moreno-Holt **B6**



SOUTH PRONG

Aerial Perspective – 8' Sea Rise

Daniel Moreno-Holt **B6**



SOUTH PRONG

Aerial Perspective – 8' Sea Rise

Daniel Moreno-Holt **B6**



SOUTH PRONG

Perspective

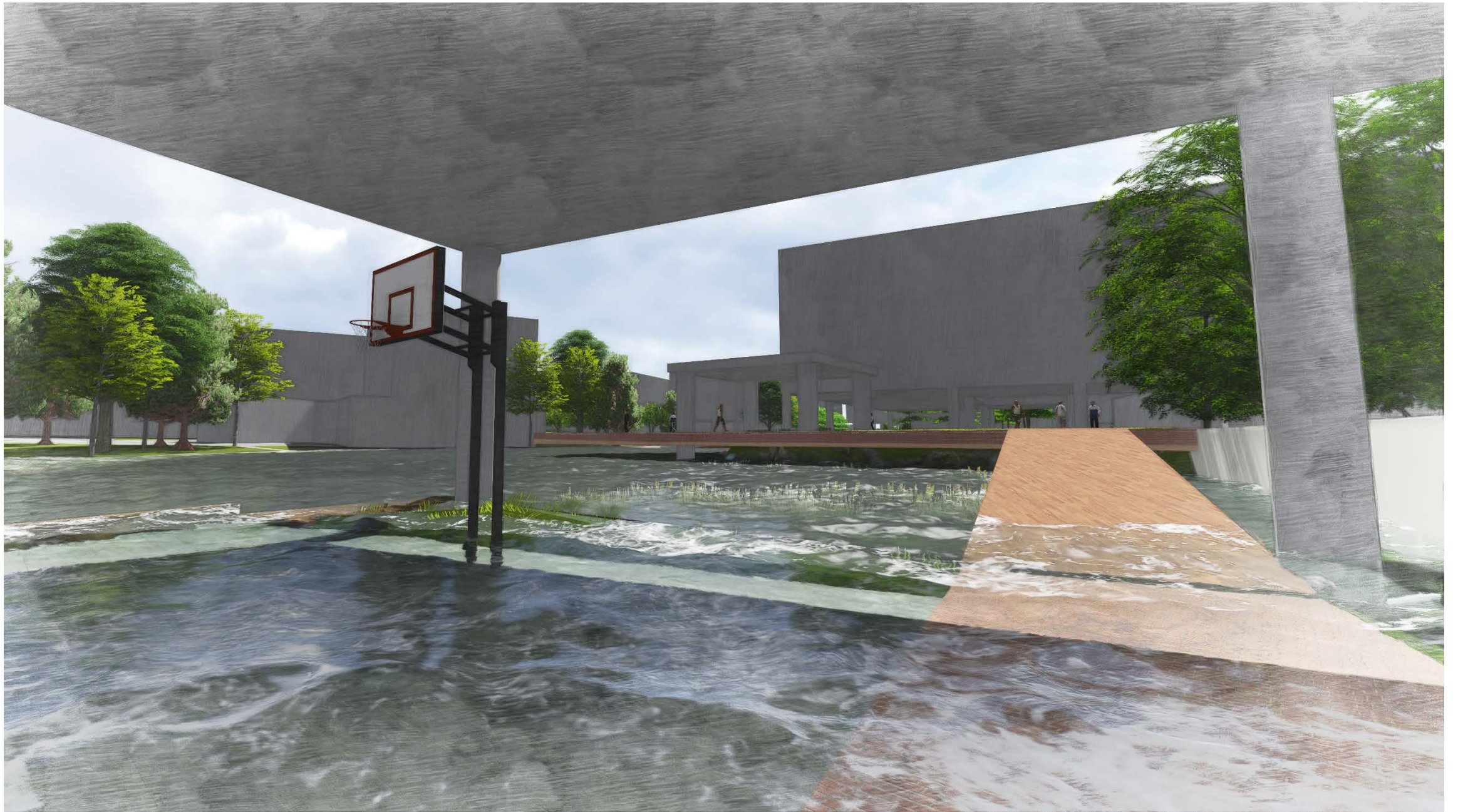
Daniel Moreno-Holt **B6**



SOUTH PRONG

Perspective – 3' Sea Rise

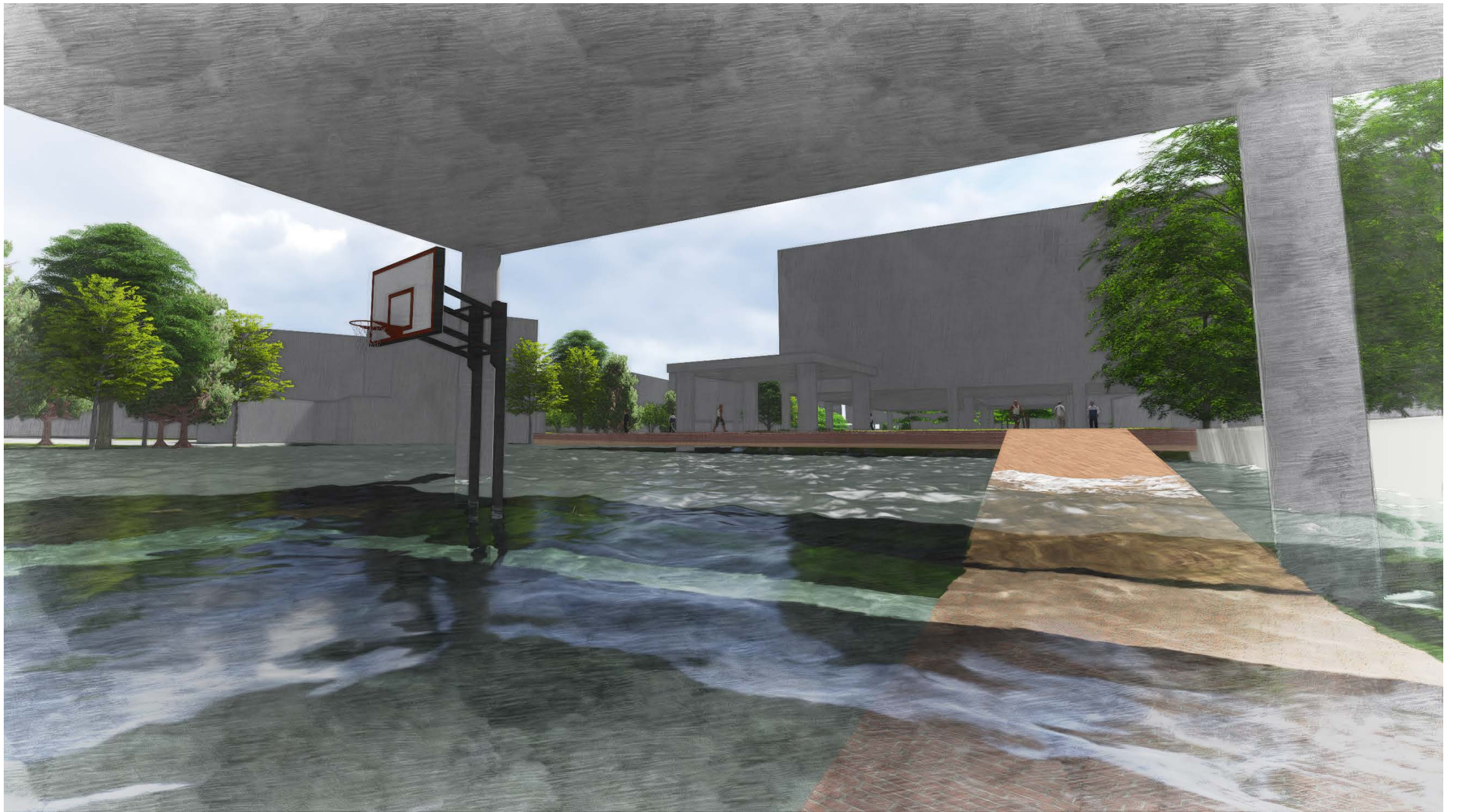
Daniel Moreno-Holt **B6**



SOUTH PRONG

Perspective – 6' Sea Rise

Daniel Moreno-Holt **B6**



SOUTH PRONG

Perspective – 8' Sea Rise

Daniel Moreno-Holt **B6**



SOUTH PRONG

0' Sea Rise



Daniel Moreno-Holt **B6**



SOUTH PRONG

3' Sea Rise



Daniel Moreno-Holt **B6**



SOUTH PRONG

6' Sea Rise



Daniel Moreno-Holt **B6**

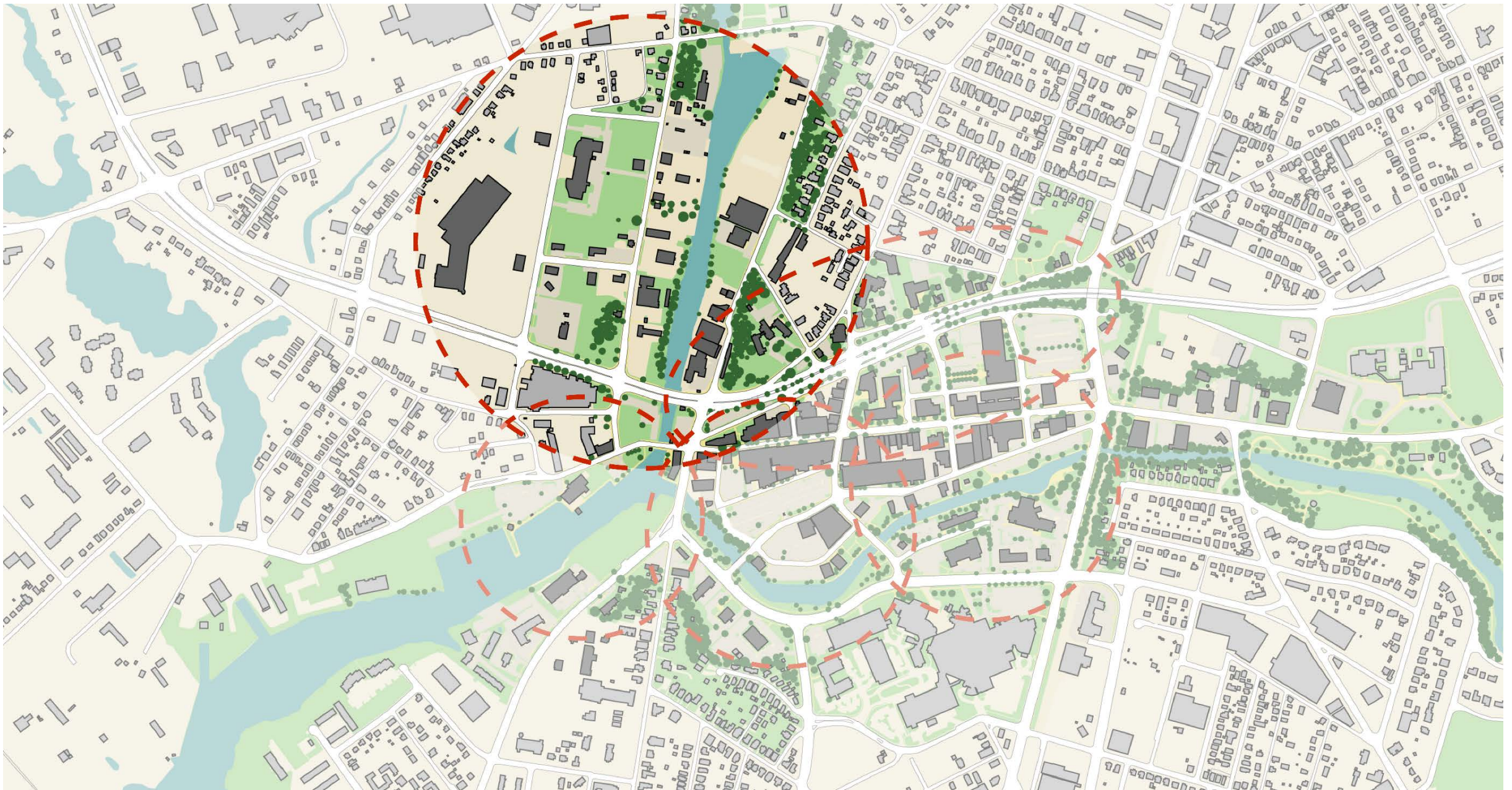


SOUTH PRONG

8' Sea Rise



Daniel Moreno-Holt **B6**



NORTH PRONG

Daniel Moreno-Holt B6

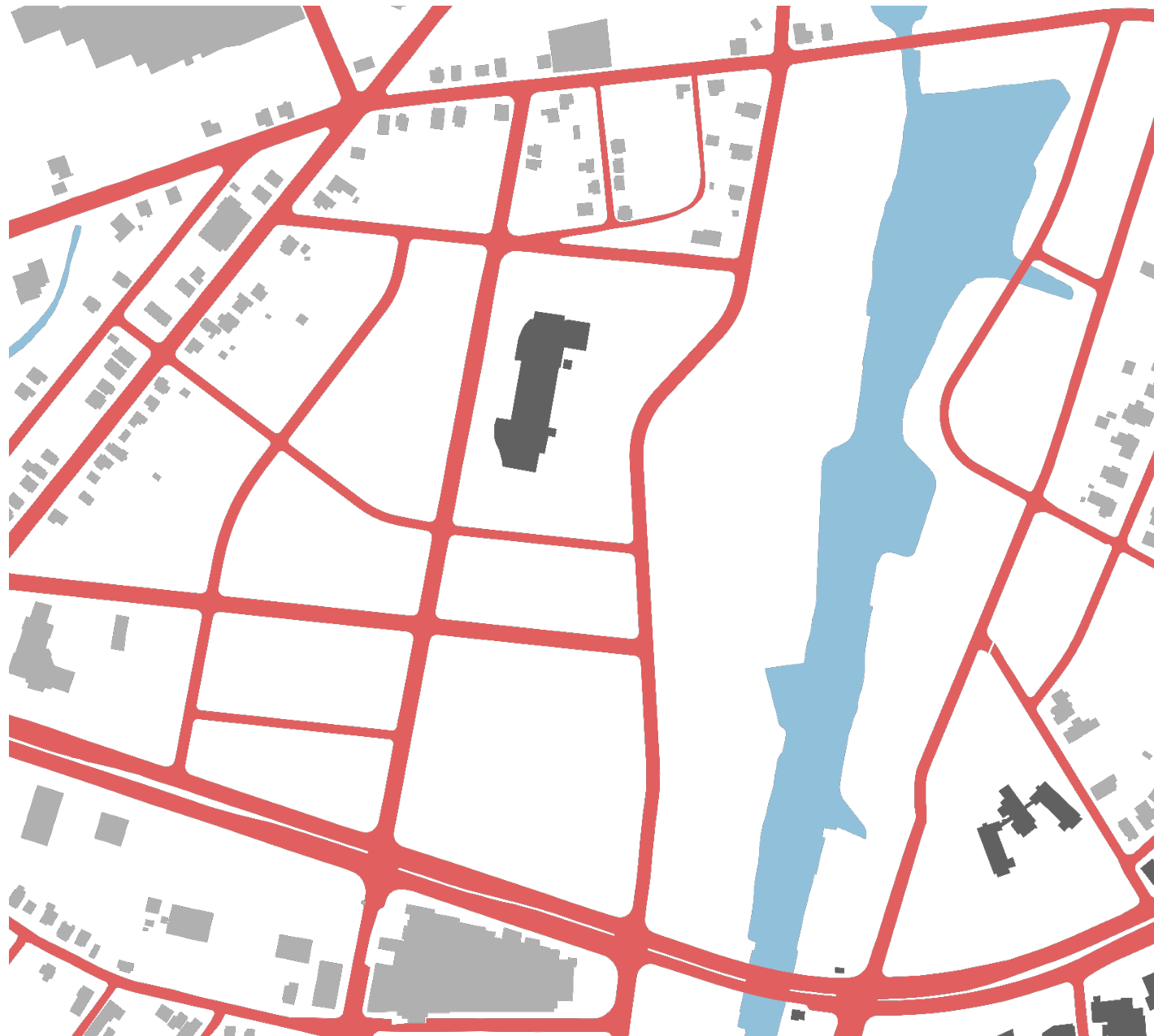


NORTH PRONG

Existing Conditions

Daniel Moreno-Holt **B6**

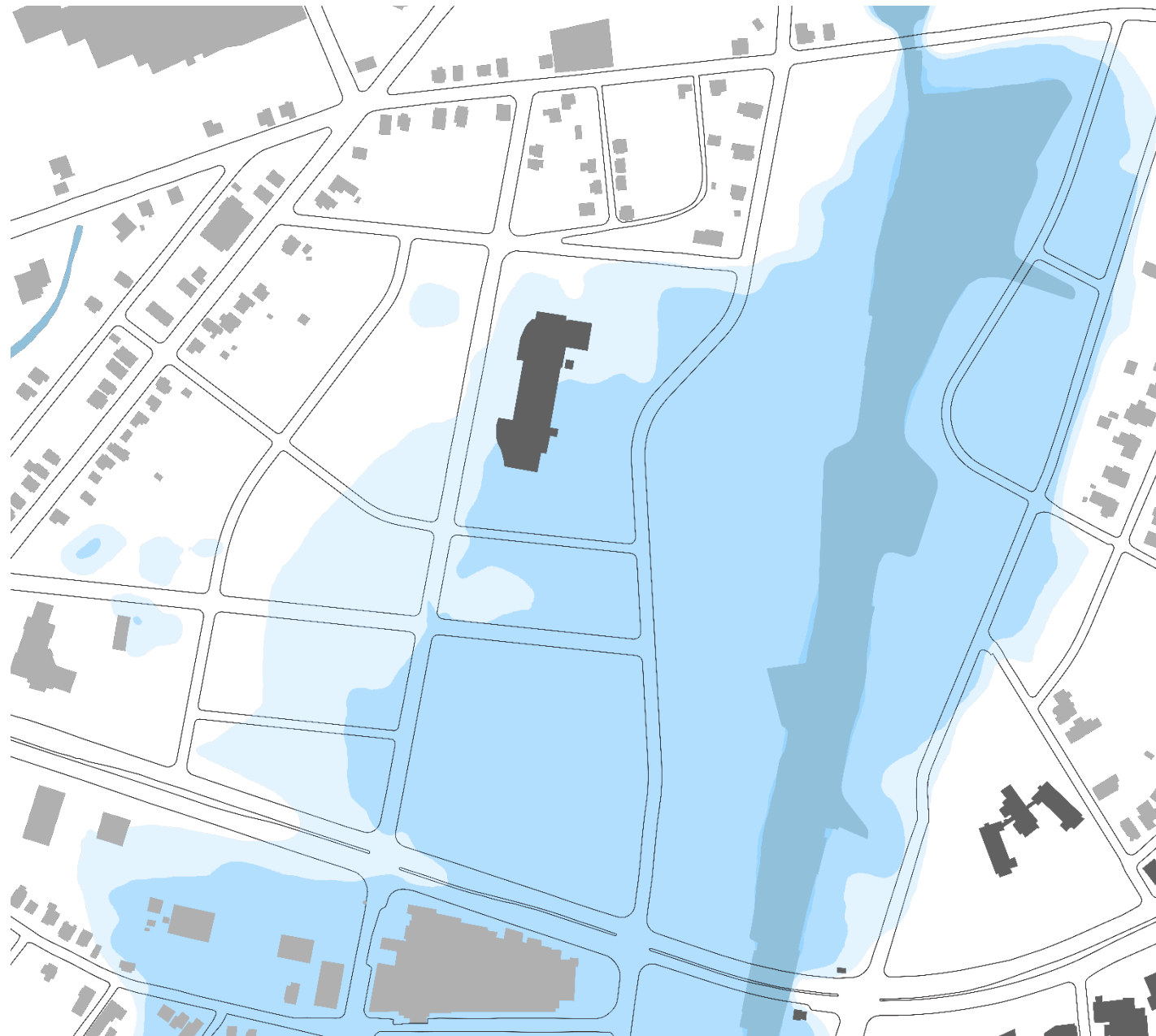


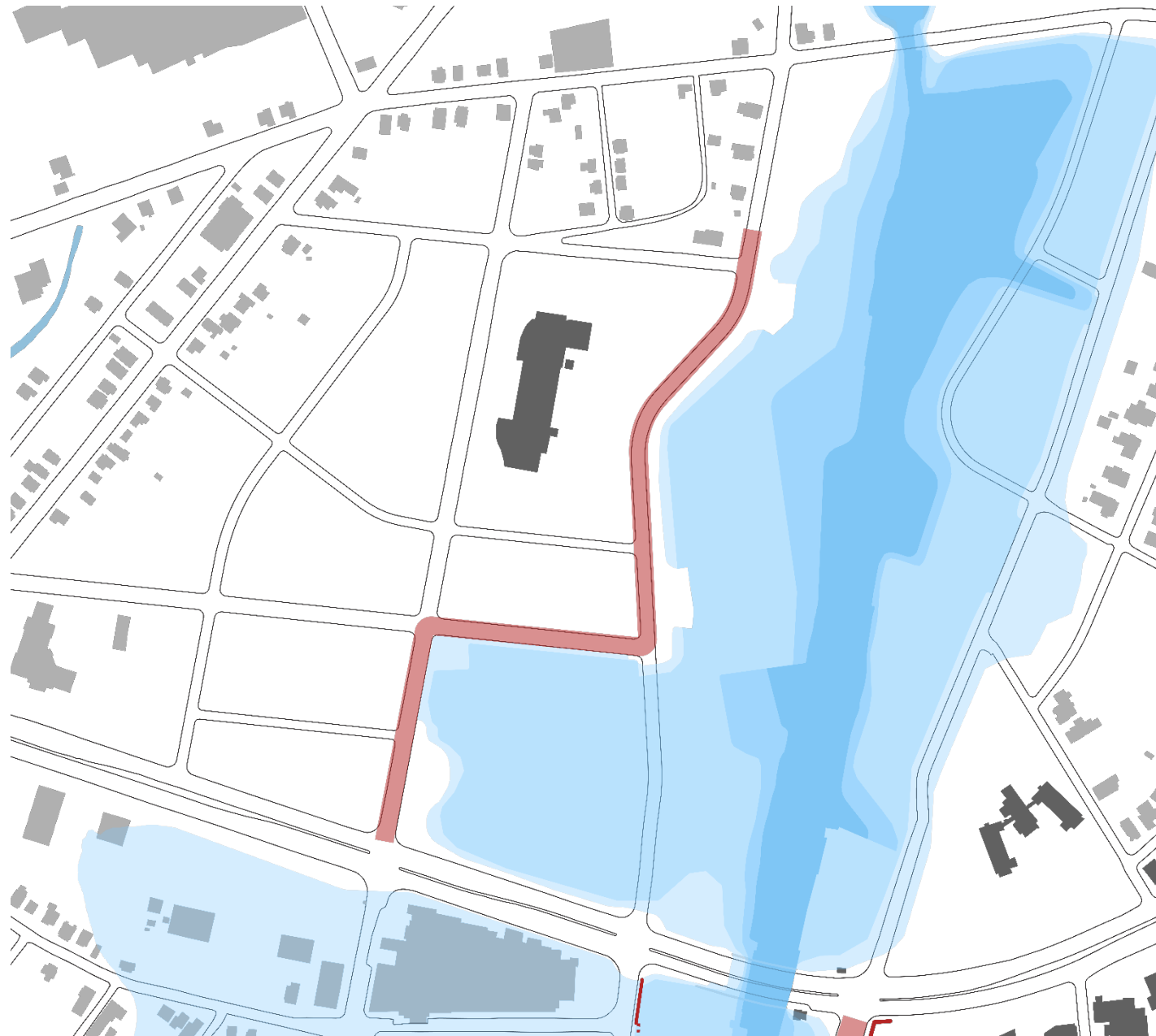


NORTH PRONG

Proposed Street Grid

Daniel Moreno-Holt **B6**





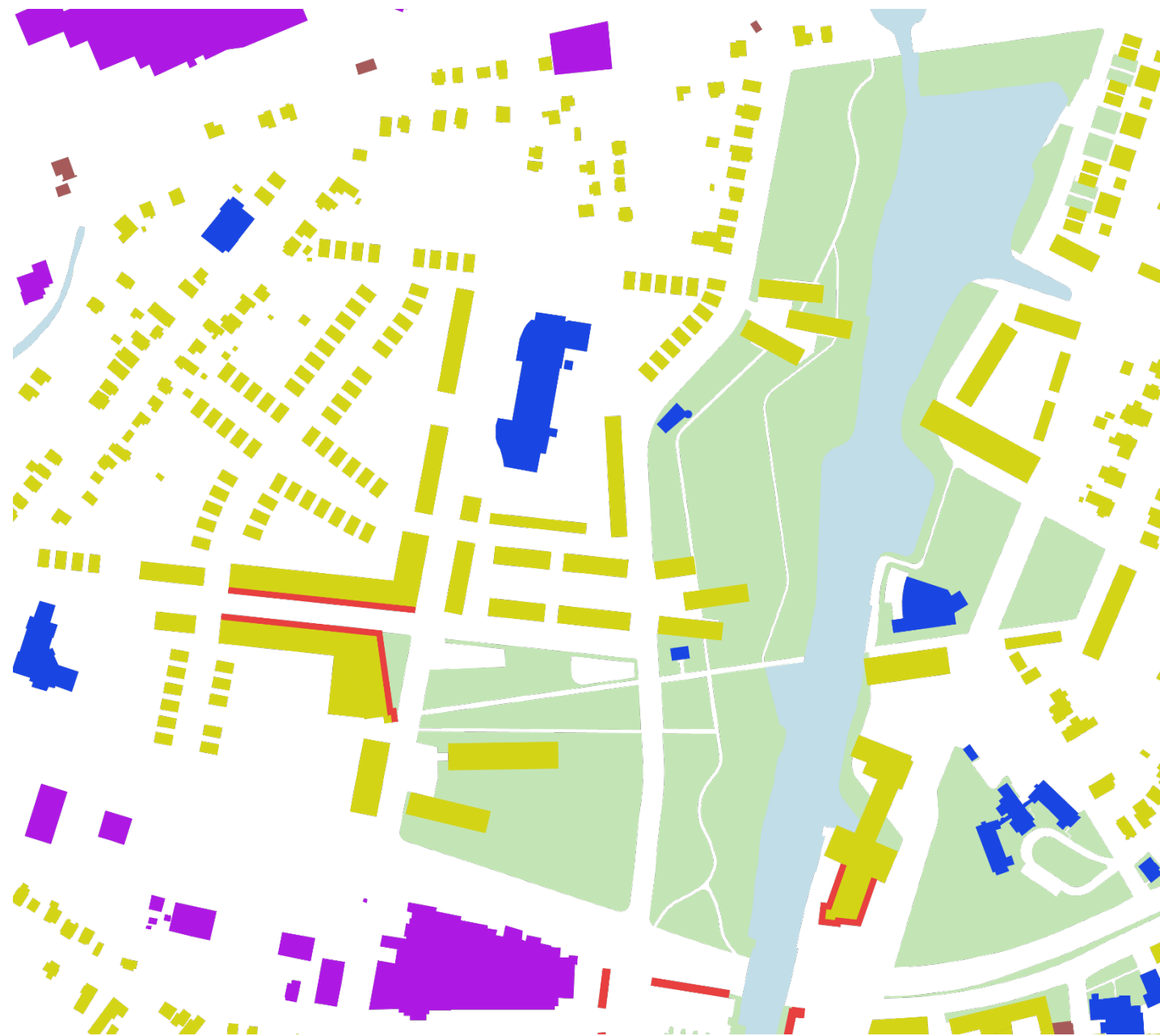


NORTH PRONG

Proposed Design

Daniel Moreno-Holt **B6**





- Residential
- Office
- Retail
- Civic/Institutional
- Industrial
- Hotel











NORTH PRONG

Proposed Ground Plan – 8' Sea Rise

Daniel Moreno-Holt **B6**



NORTH PRONG

Aerial Perspective

Daniel Moreno-Holt **B6**



NORTH PRONG

Aerial Perspective – 3' Sea Rise

Daniel Moreno-Holt **B6**



NORTH PRONG

Aerial Perspective – 6' Sea Rise

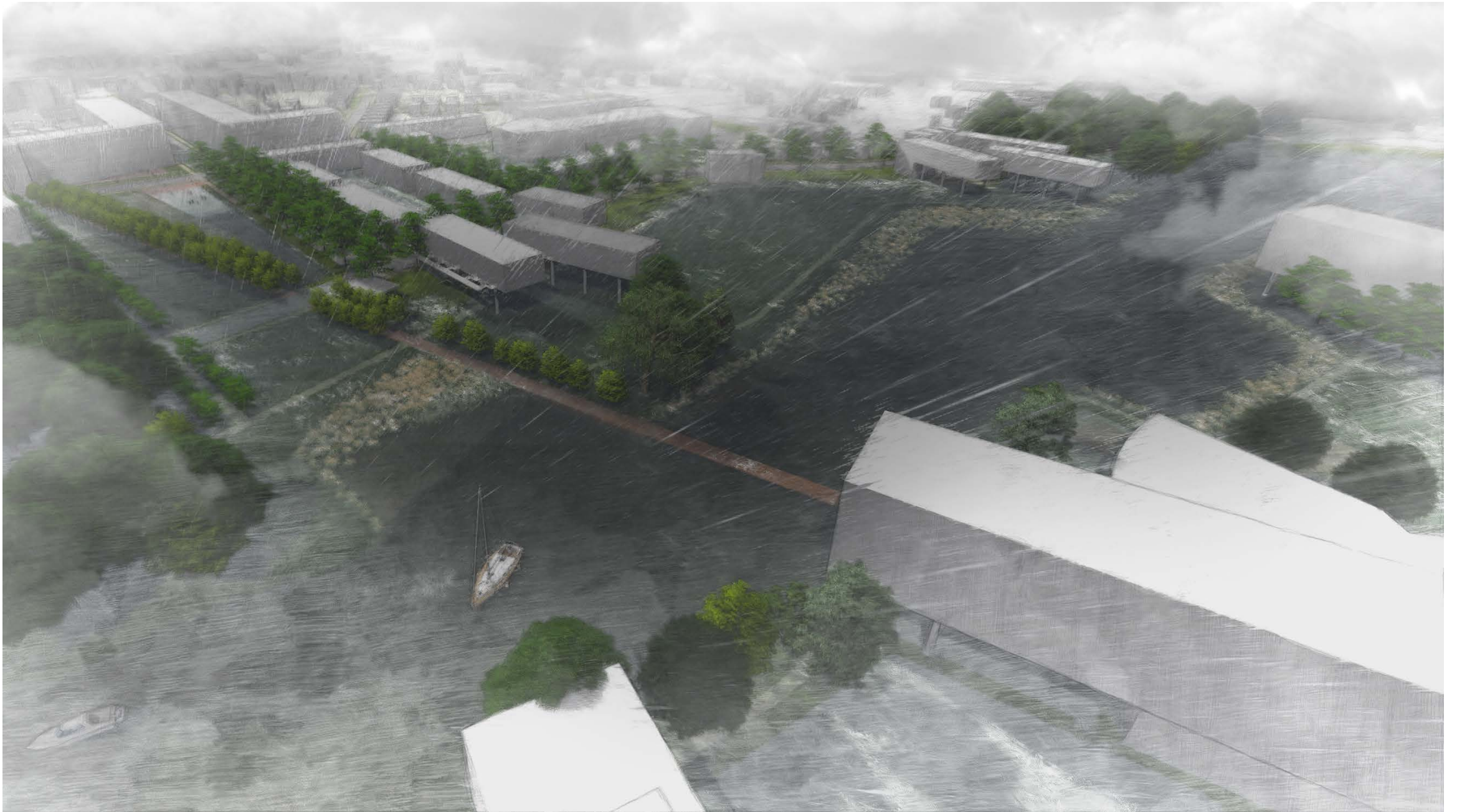
Daniel Moreno-Holt **B6**



NORTH PRONG

Aerial Perspective – 8' Sea Rise

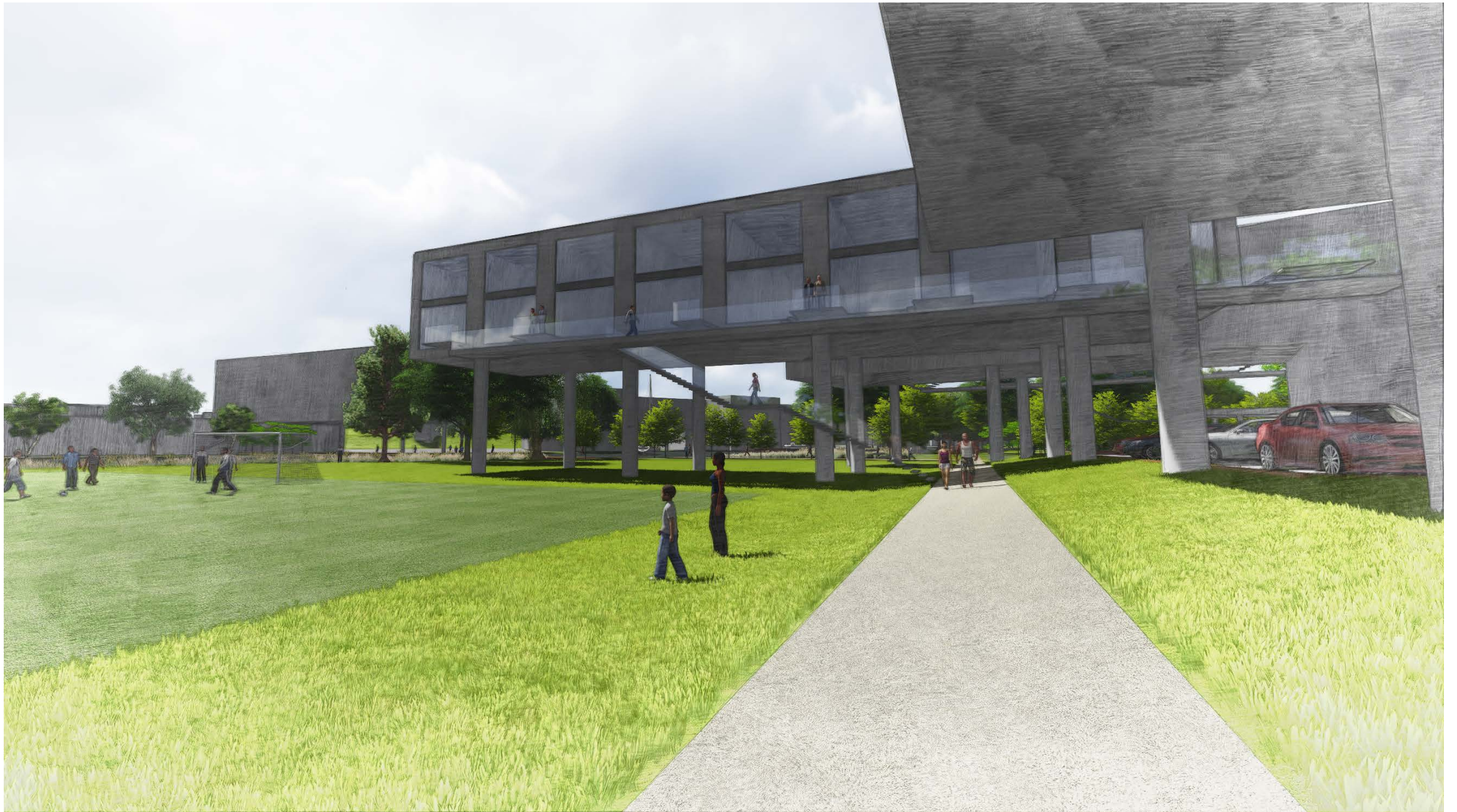
Daniel Moreno-Holt **B6**



NORTH PRONG

Aerial Perspective – 8' Sea Rise

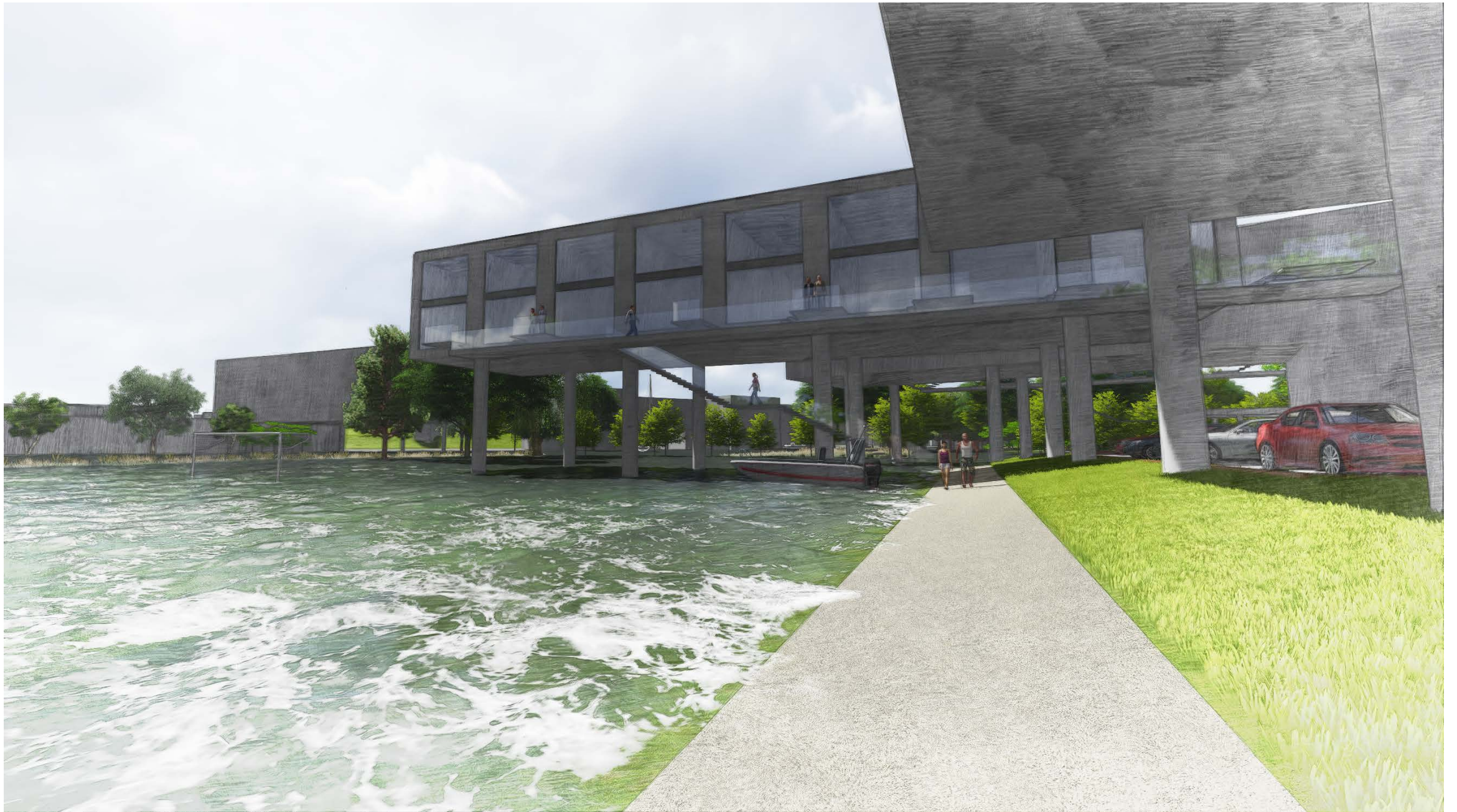
Daniel Moreno-Holt **B6**



NORTH PRONG

Perspective

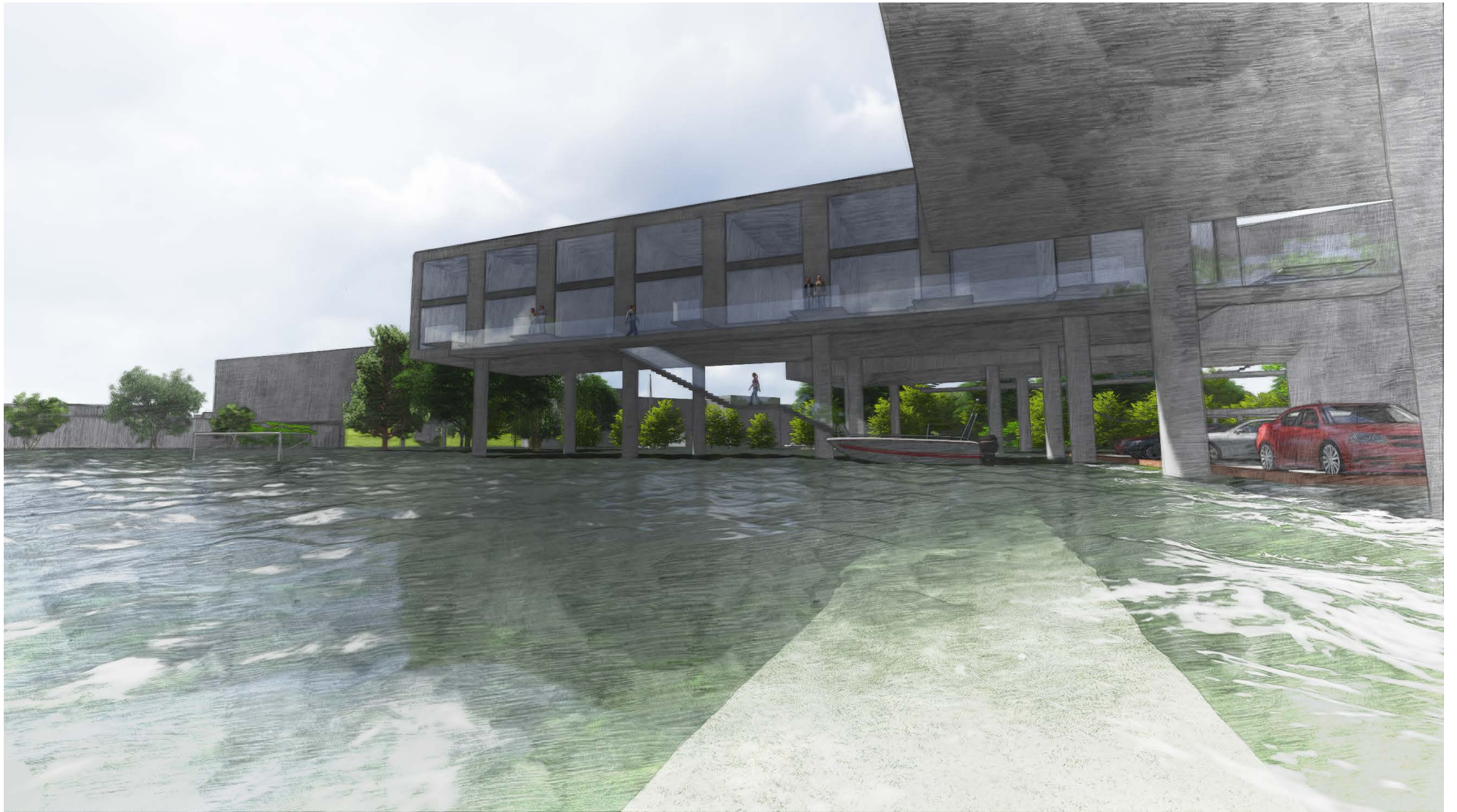
Daniel Moreno-Holt **B6**



NORTH PRONG

Perspective – 6' Sea Rise

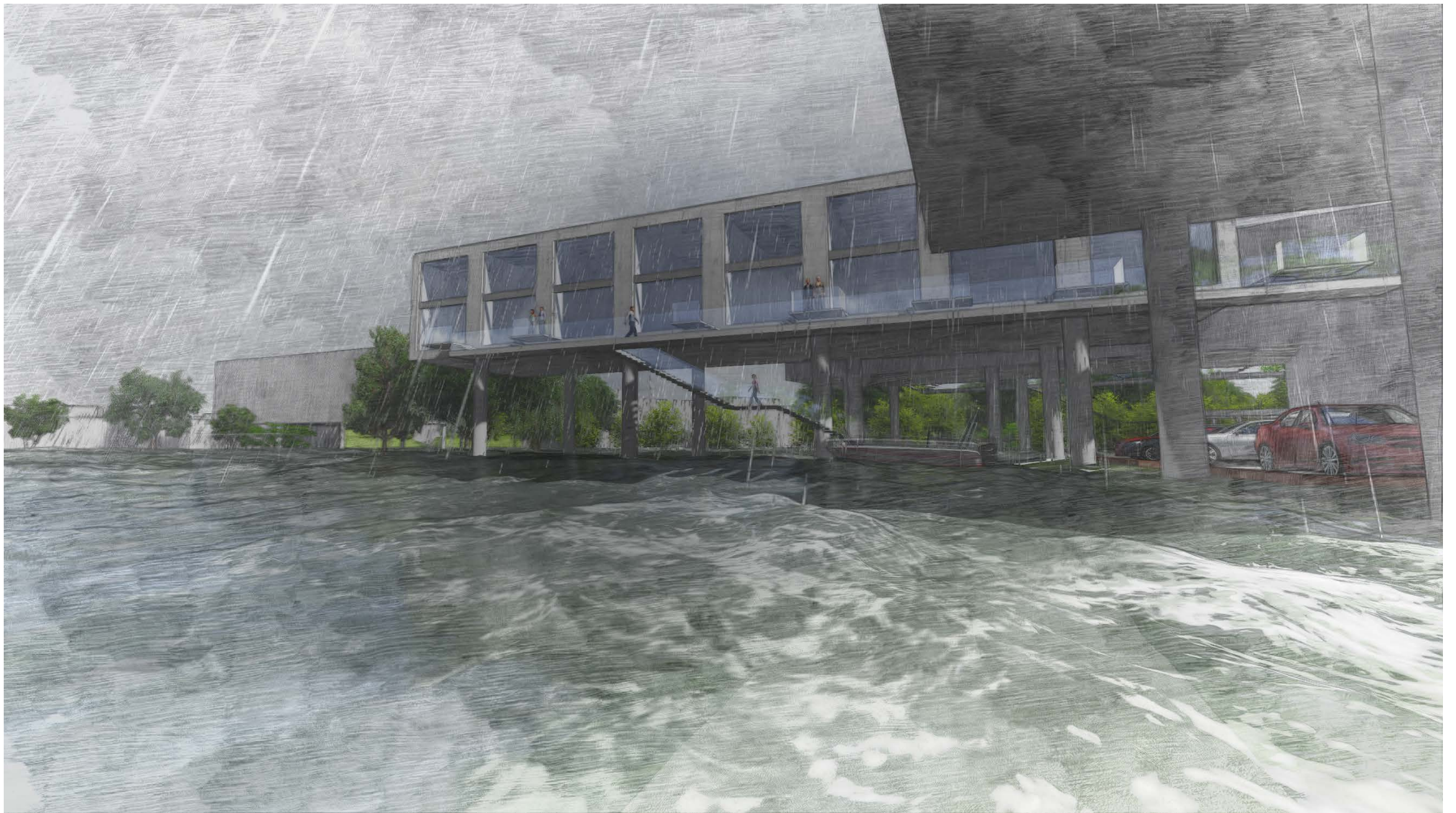
Daniel Moreno-Holt **B6**



NORTH PRONG

Perspective – 8' Sea Rise

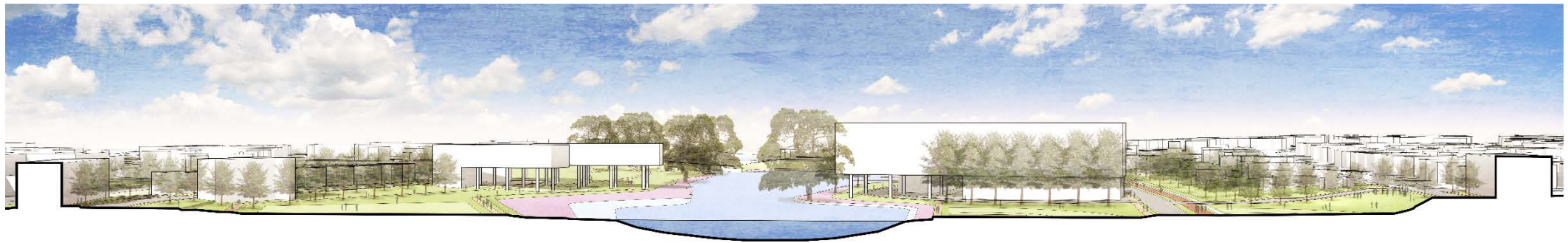
Daniel Moreno-Holt **B6**



NORTH PRONG

Perspective – 8' Sea Rise

Daniel Moreno-Holt **B6**



NORTH PRONG

0' Sea Rise

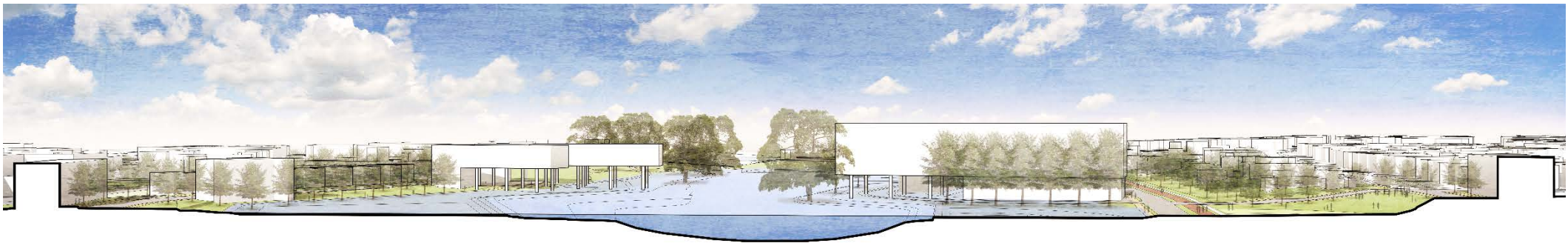
Daniel Moreno-Holt **B6**



NORTH PRONG

3' Sea Rise

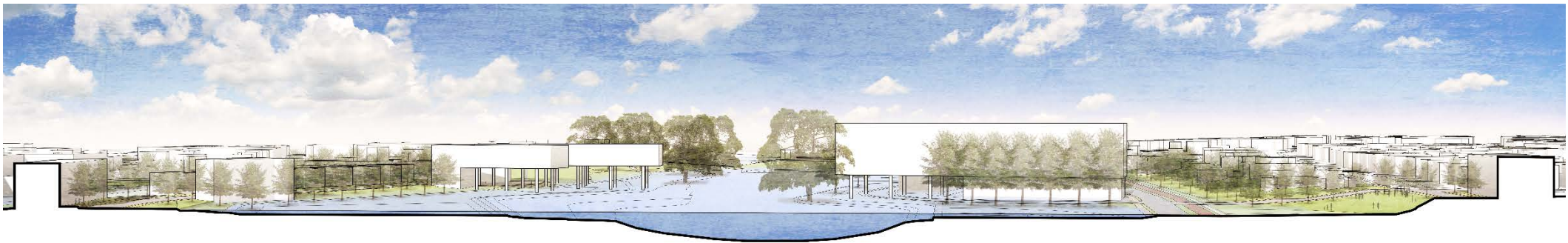
Daniel Moreno-Holt **B6**



NORTH PRONG

6' Sea Rise

Daniel Moreno-Holt **B6**



NORTH PRONG

8' Sea Rise

Daniel Moreno-Holt **B6**





ROUTE 50

Existing Conditions

Daniel Moreno-Holt **B6**





ROUTE 50

Proposed Street Network

Daniel Moreno-Holt **B6**



ROUTE 50

Proposed Design

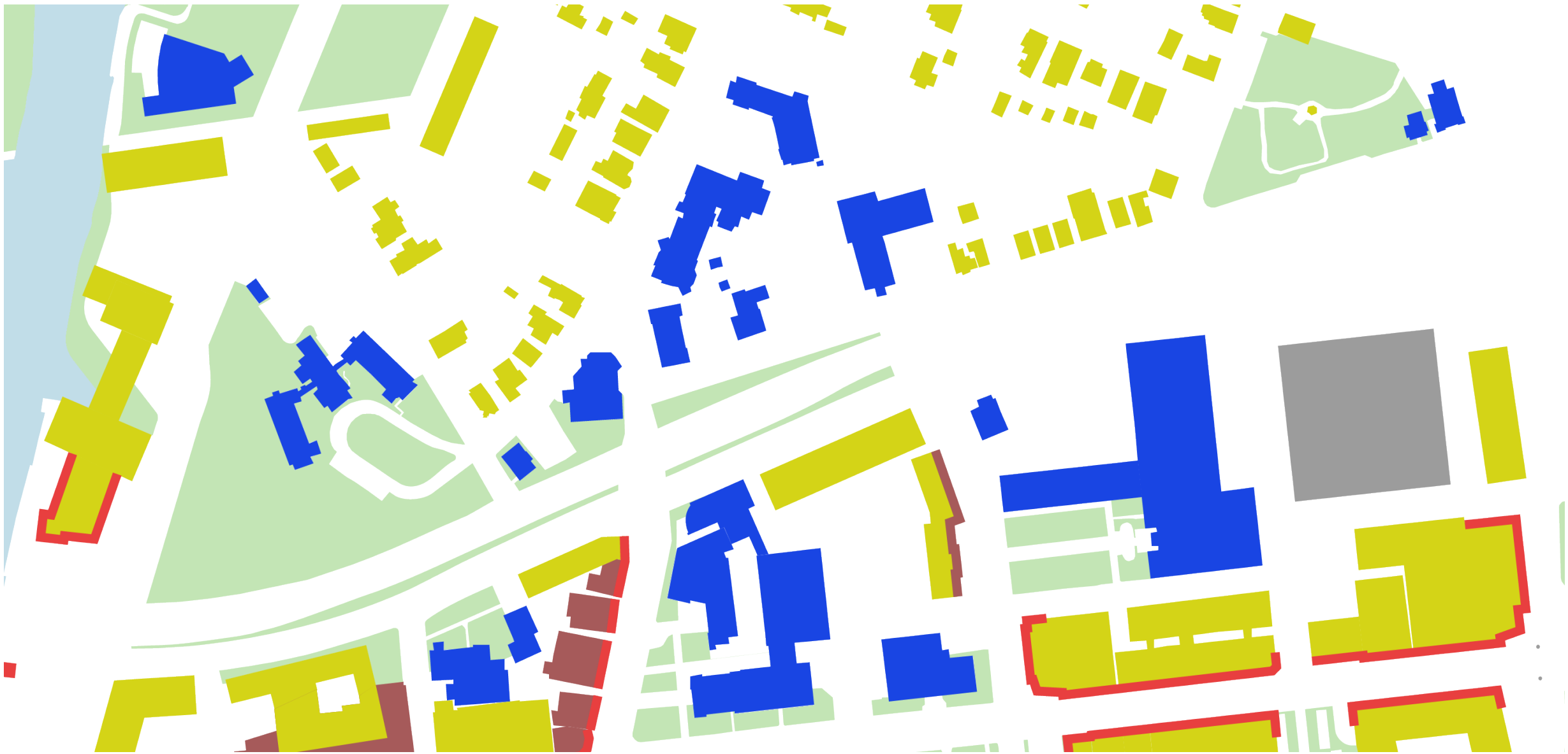
Daniel Moreno-Holt **B6**



ROUTE 50

Establishing Place

Daniel Moreno-Holt **B6**



ROUTE 50

Proposed Uses

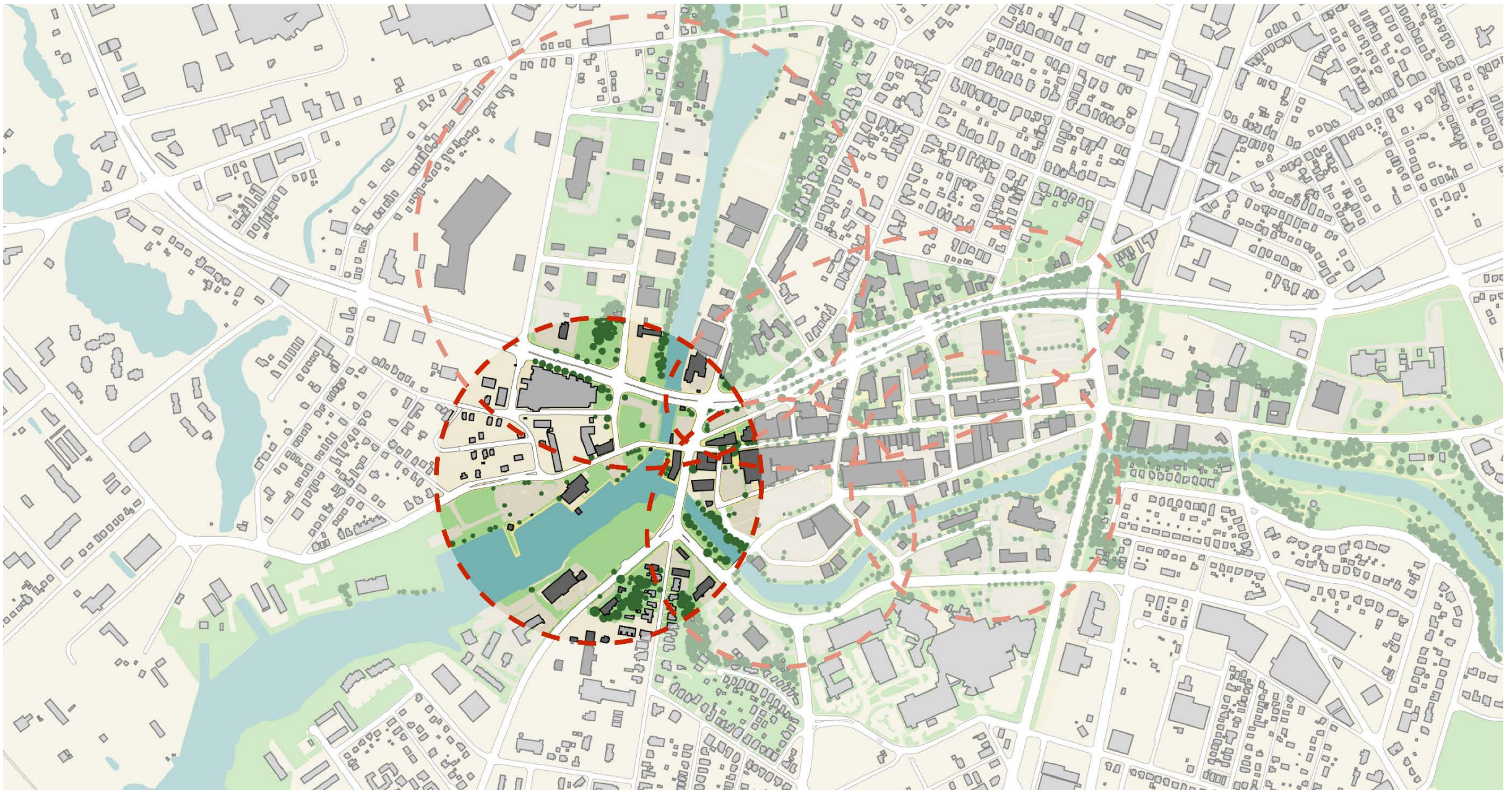
Daniel Moreno-Holt **B6**



ROUTE 50

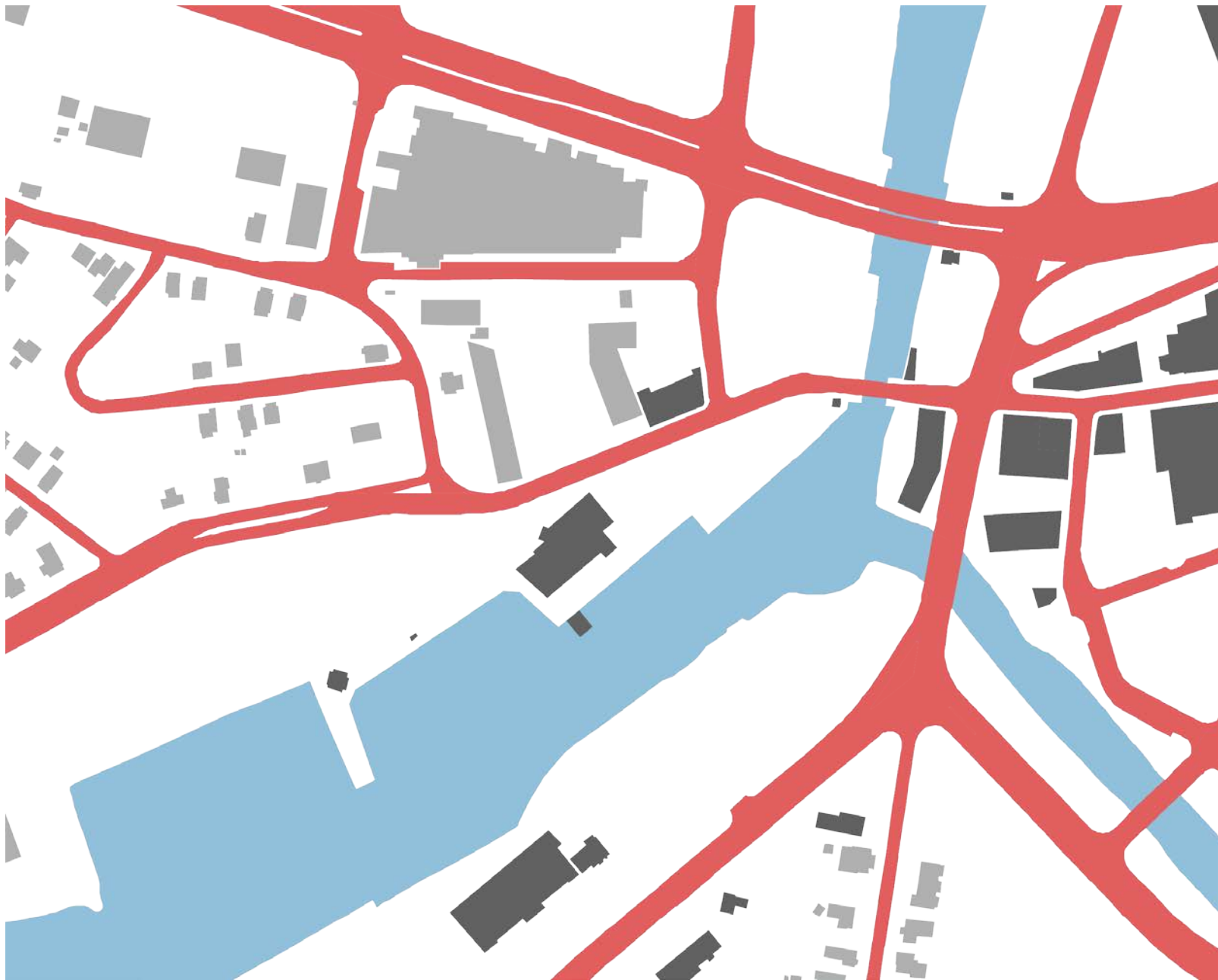
Proposed Site Plan

Daniel Moreno-Holt **B6**



RIVER'S CONVERGENCE

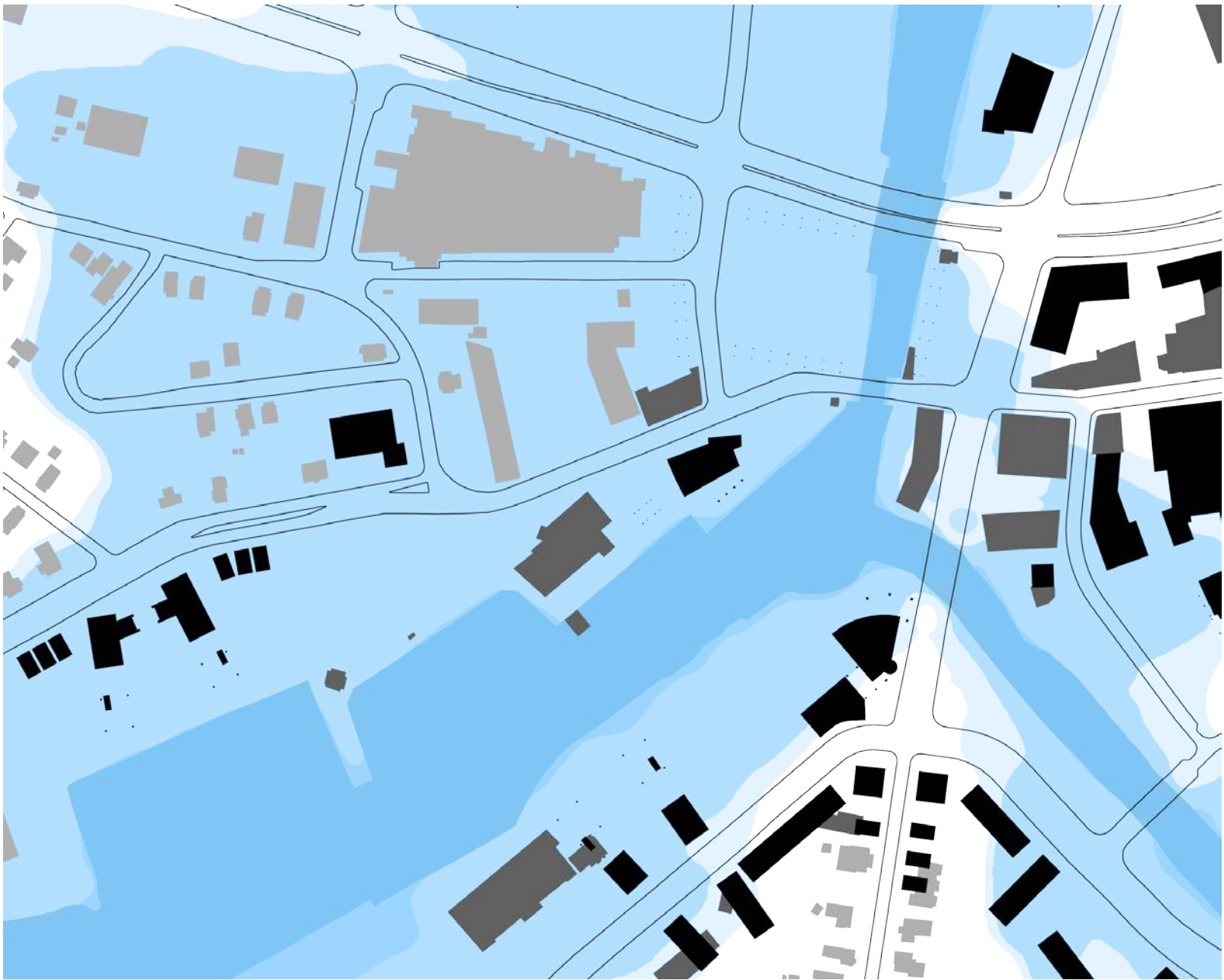
Daniel Moreno-Holt **B6**

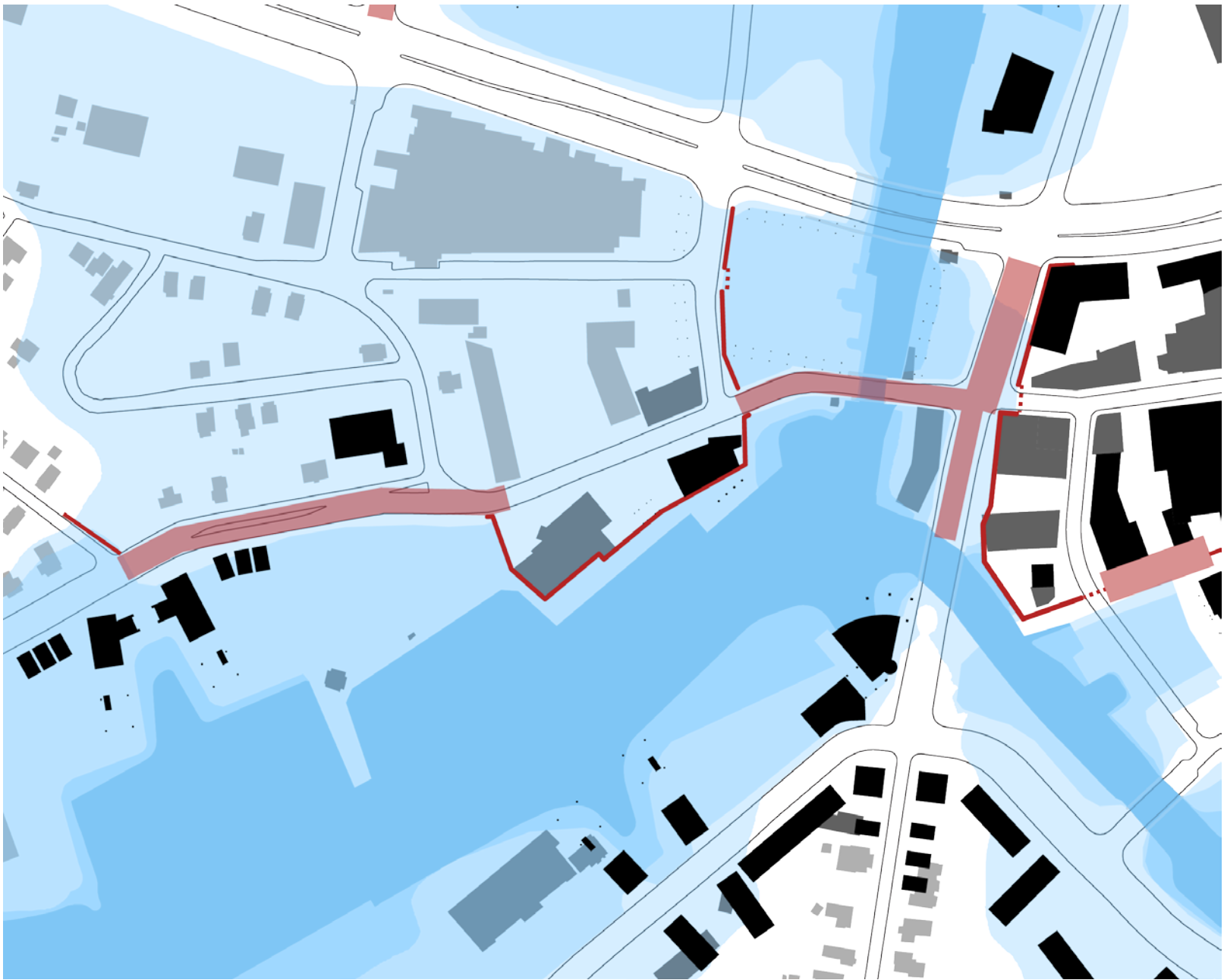


RIVER'S CONVERGENCE

Existing Conditions

Daniel Moreno-Holt **B6**

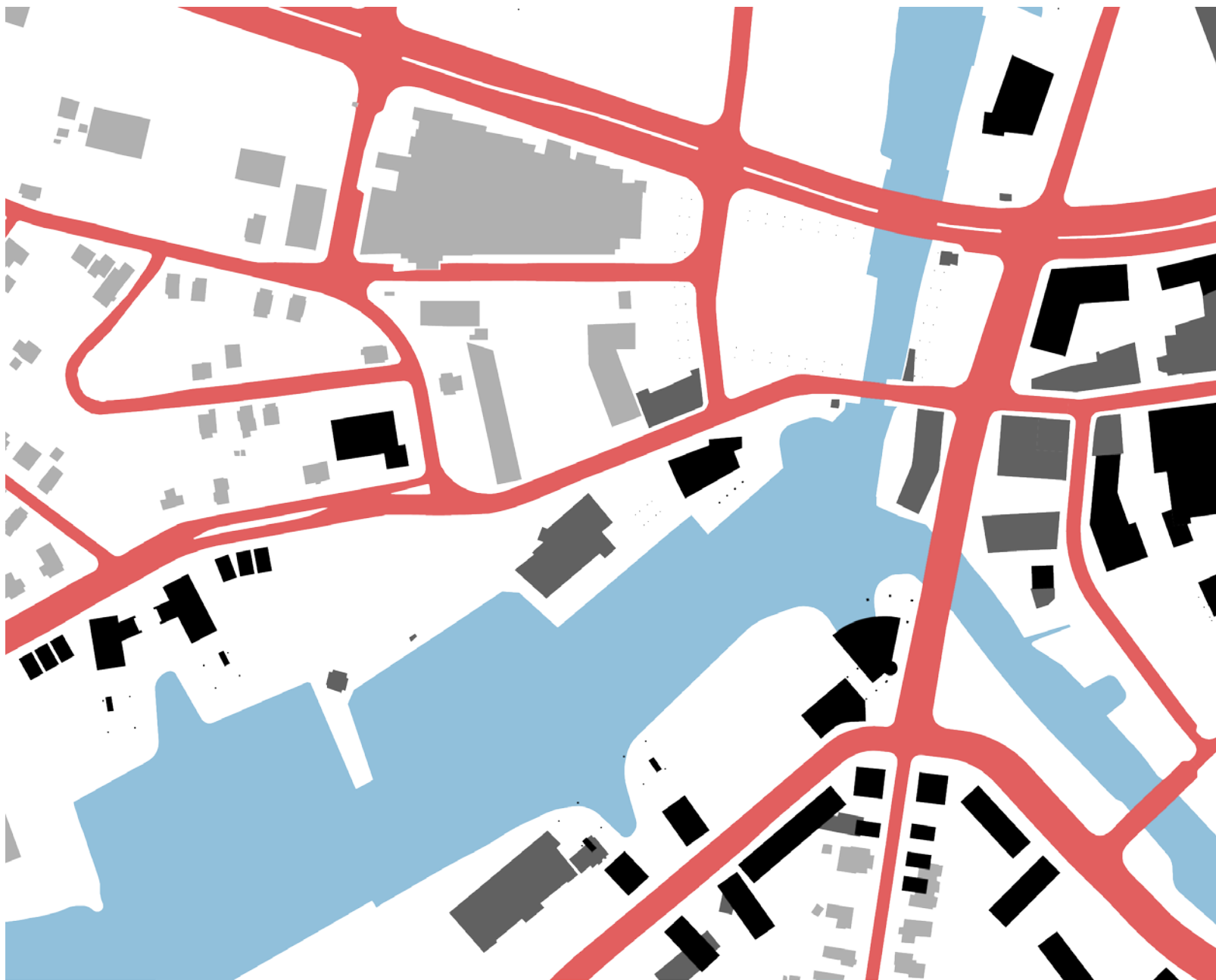




RIVER'S CONVERGENCE

Flooding Protection

Daniel Moreno-Holt **B6**



RIVER'S CONVERGENCE

Proposed Design

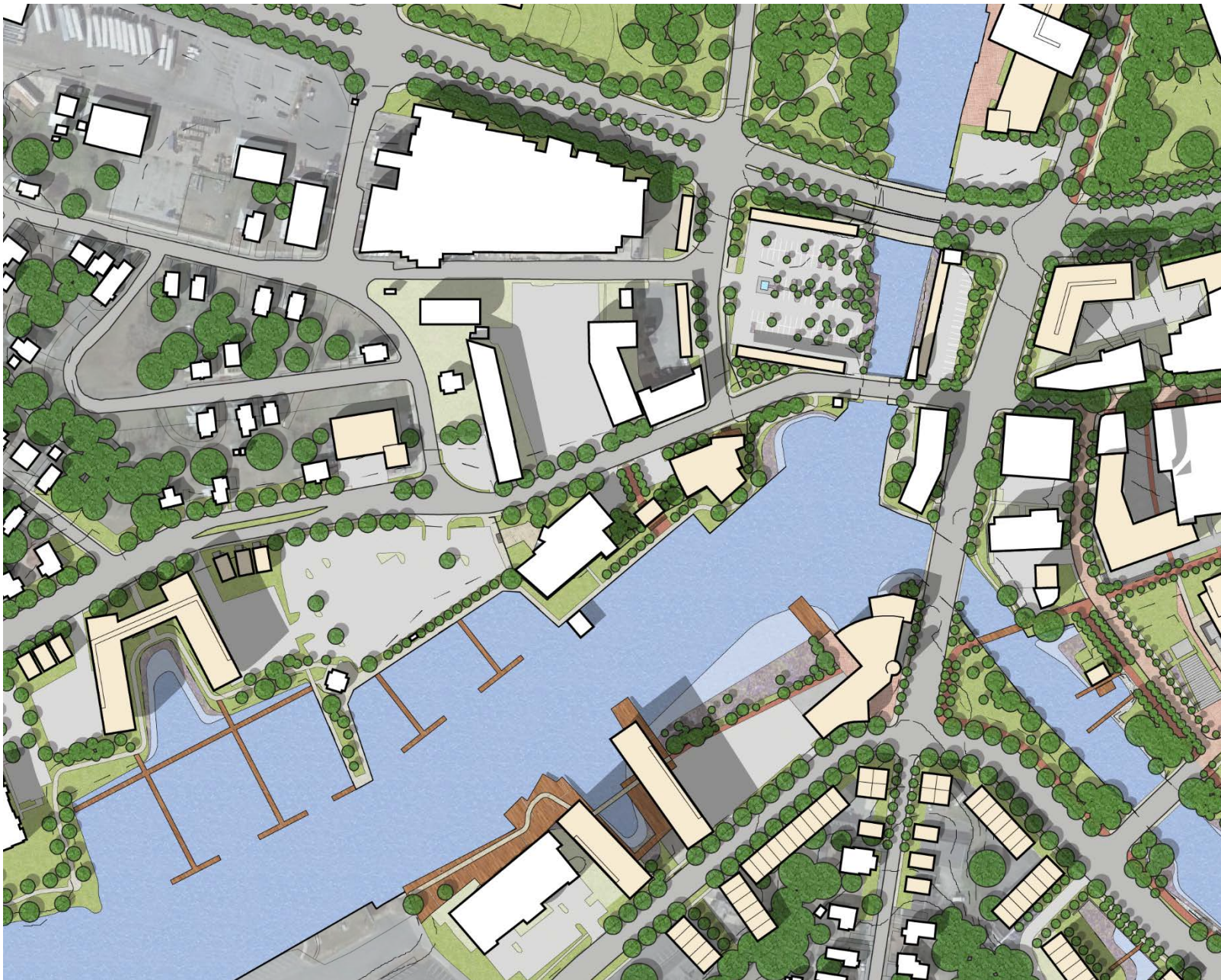
Daniel Moreno-Holt **B6**





RIVER'S CONVERGENCE

Daniel Moreno-Holt **B6**



RIVER'S CONVERGENCE

Proposed Site Plan

Daniel Moreno-Holt **B6**



RIVER'S CONVERGENCE

Proposed Ground Plan

Daniel Moreno-Holt **B6**



RIVER'S CONVERGENCE

Proposed Ground Plan – 3' Sea Rise

Daniel Moreno-Holt **B6**







CONCLUSION

Existing Figure Ground

Daniel Moreno-Holt **B6**



CONCLUSION

Proposed Figure Ground

Daniel Moreno-Holt **B6**



CONCLUSION

Existing Street Grid

Daniel Moreno-Holt **B6**

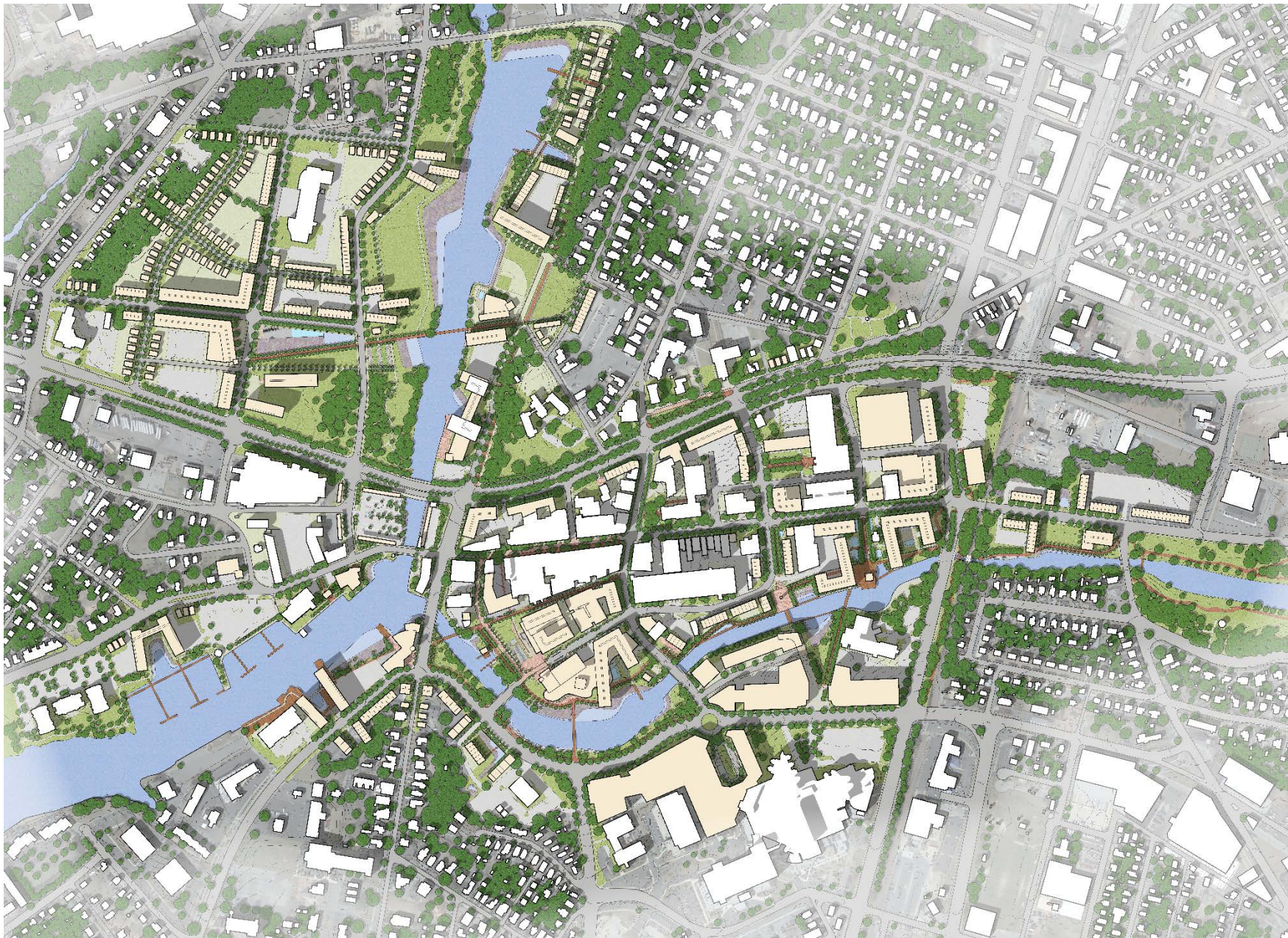


CONCLUSION

Proposed Street Grid

Daniel Moreno-Holt **B6**

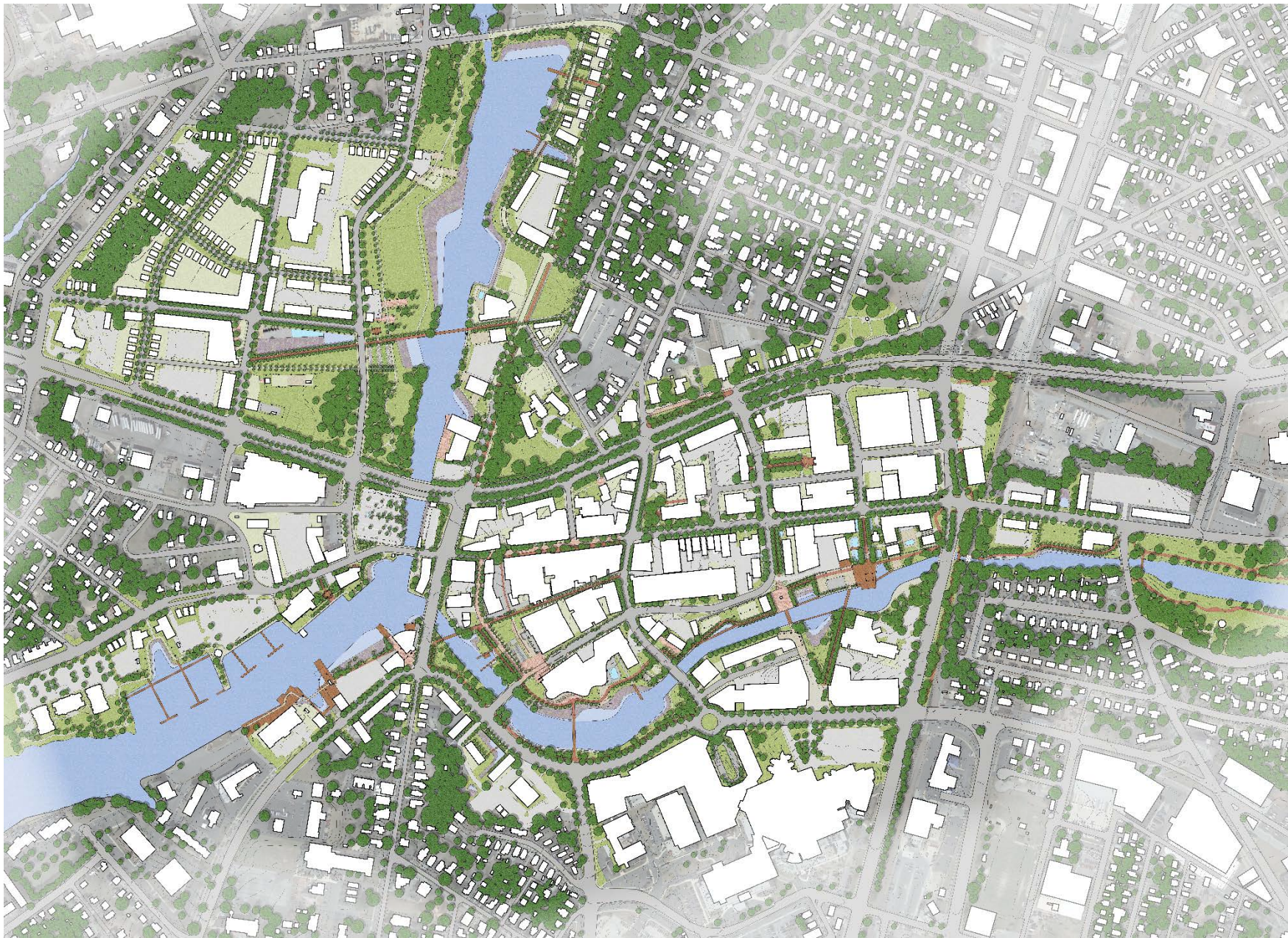




CONCLUSION

Proposed Site Plan

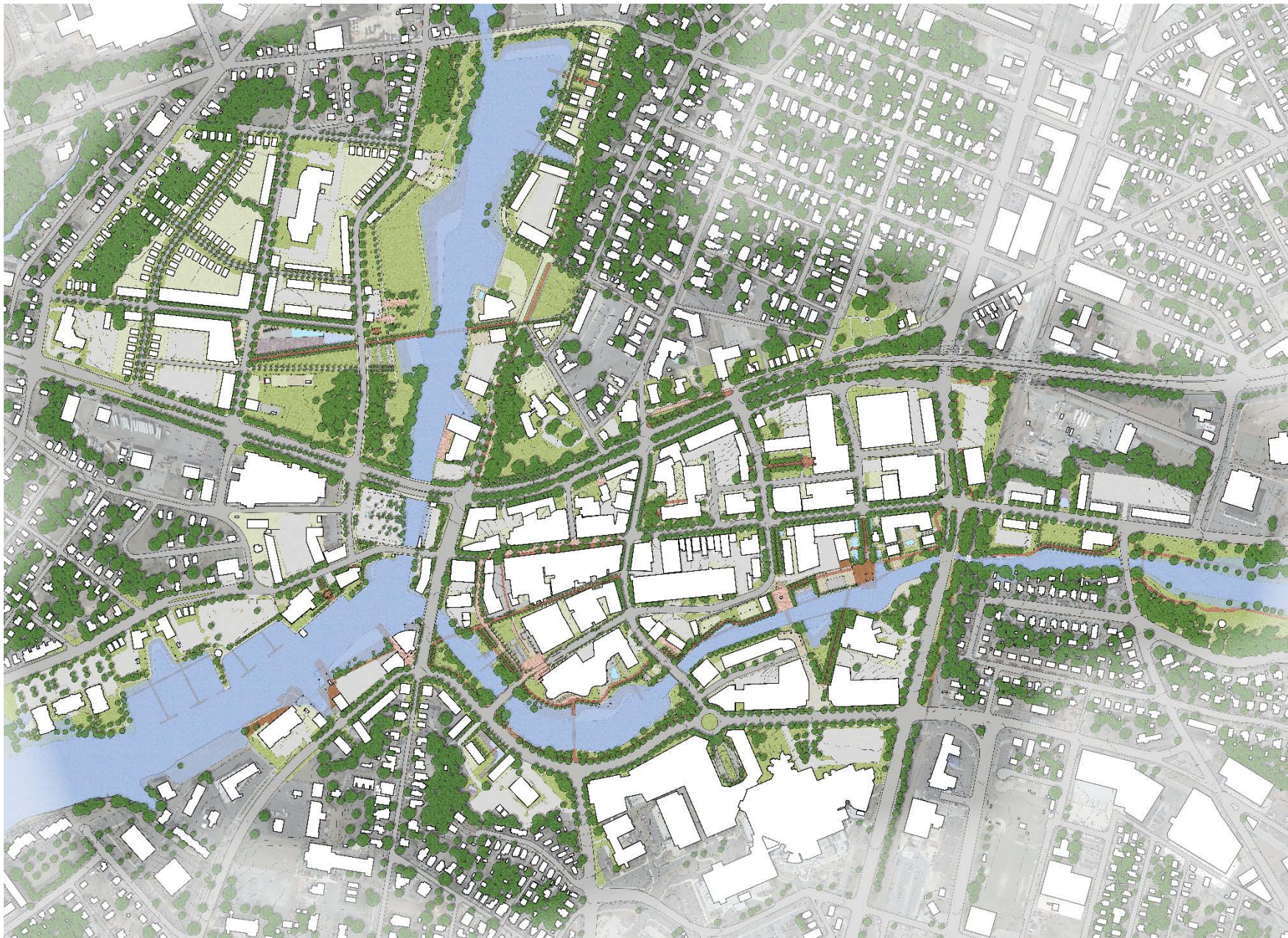
Daniel Moreno-Holt **B6**



CONCLUSION

Proposed Ground Plan

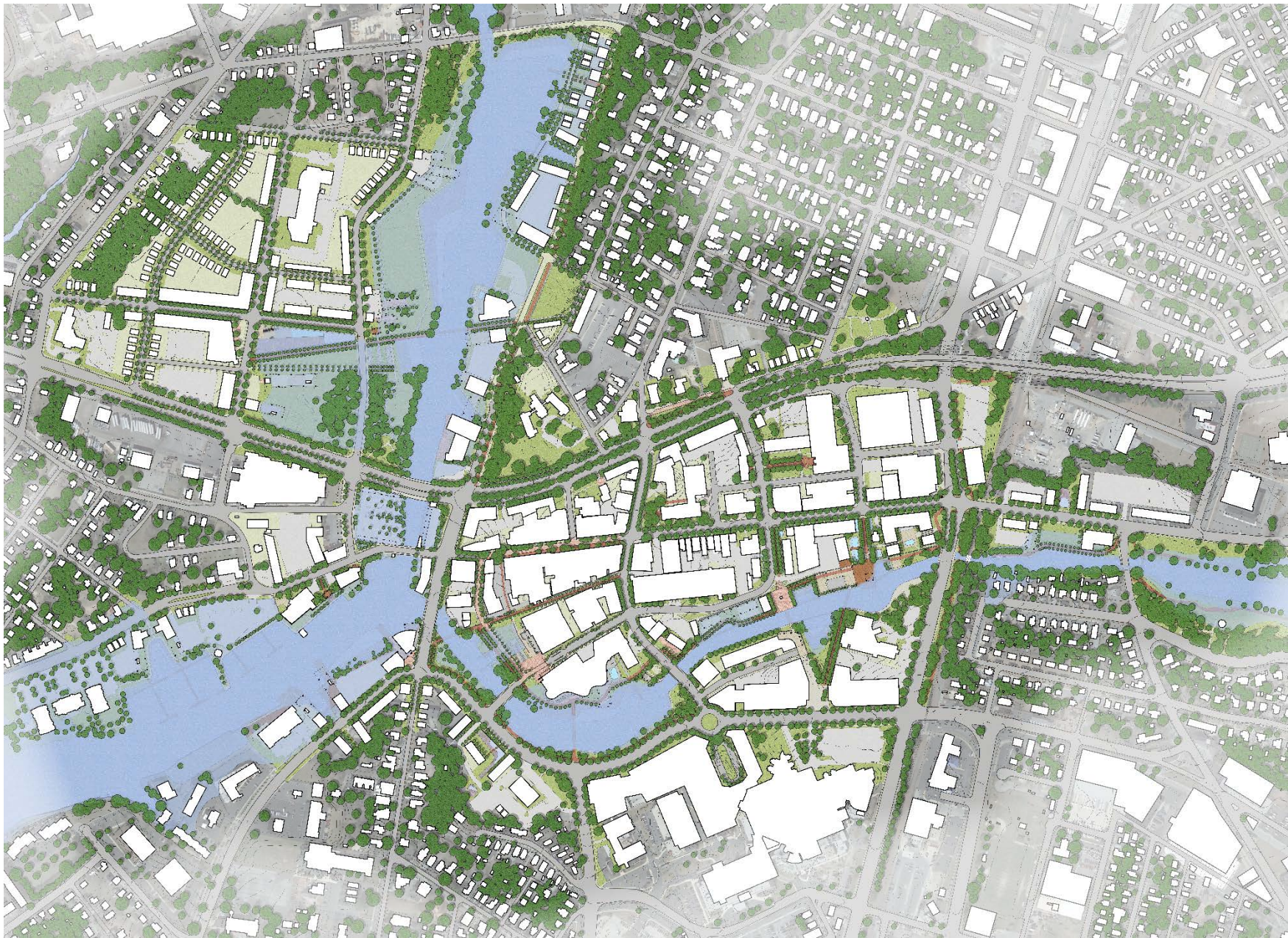
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CONCLUSION

Proposed Ground Plan – 3' Sea Rise

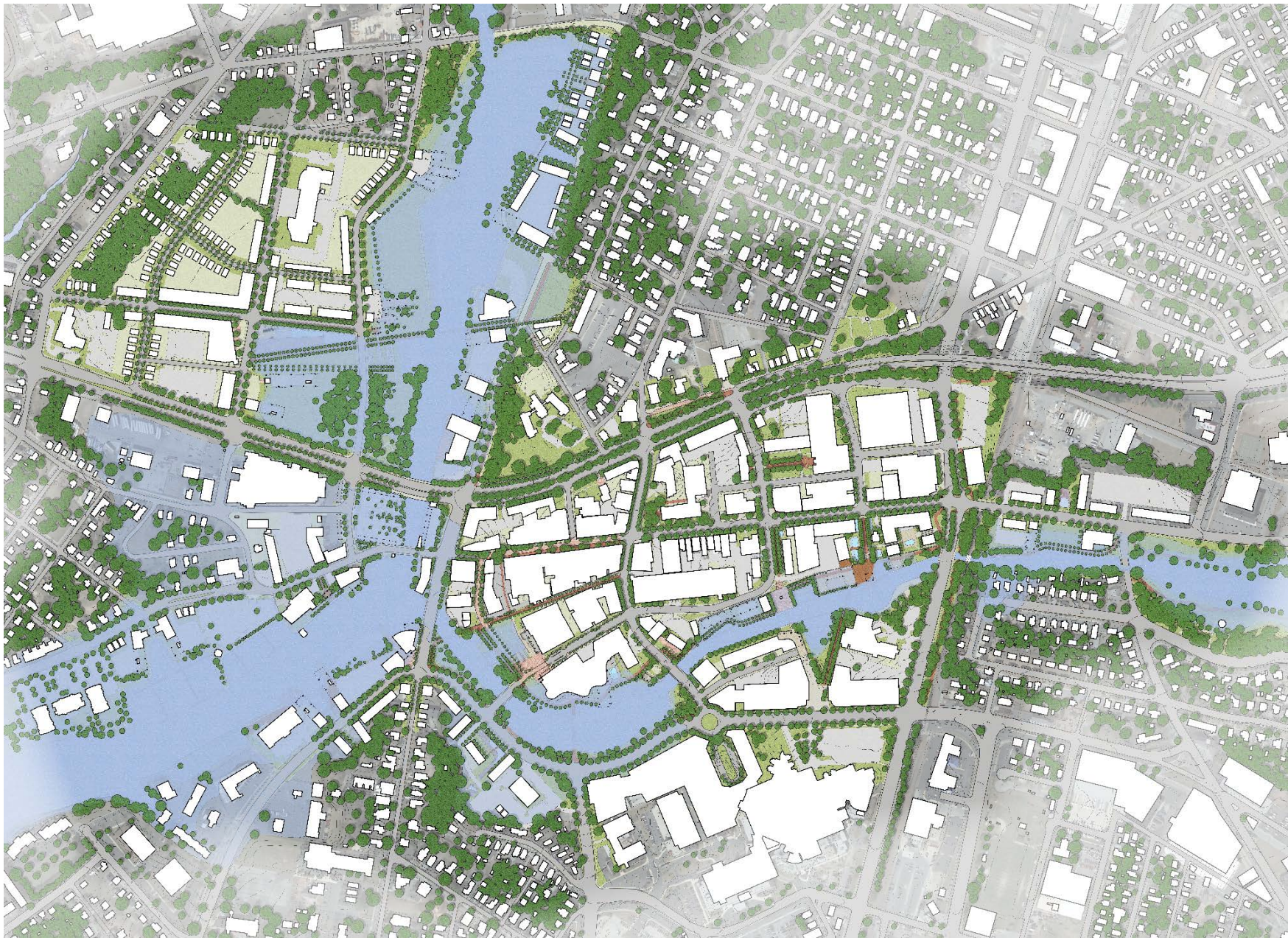
Daniel Moreno-Holt **B6**



CONCLUSION

Proposed Ground Plan – 6' Sea Rise

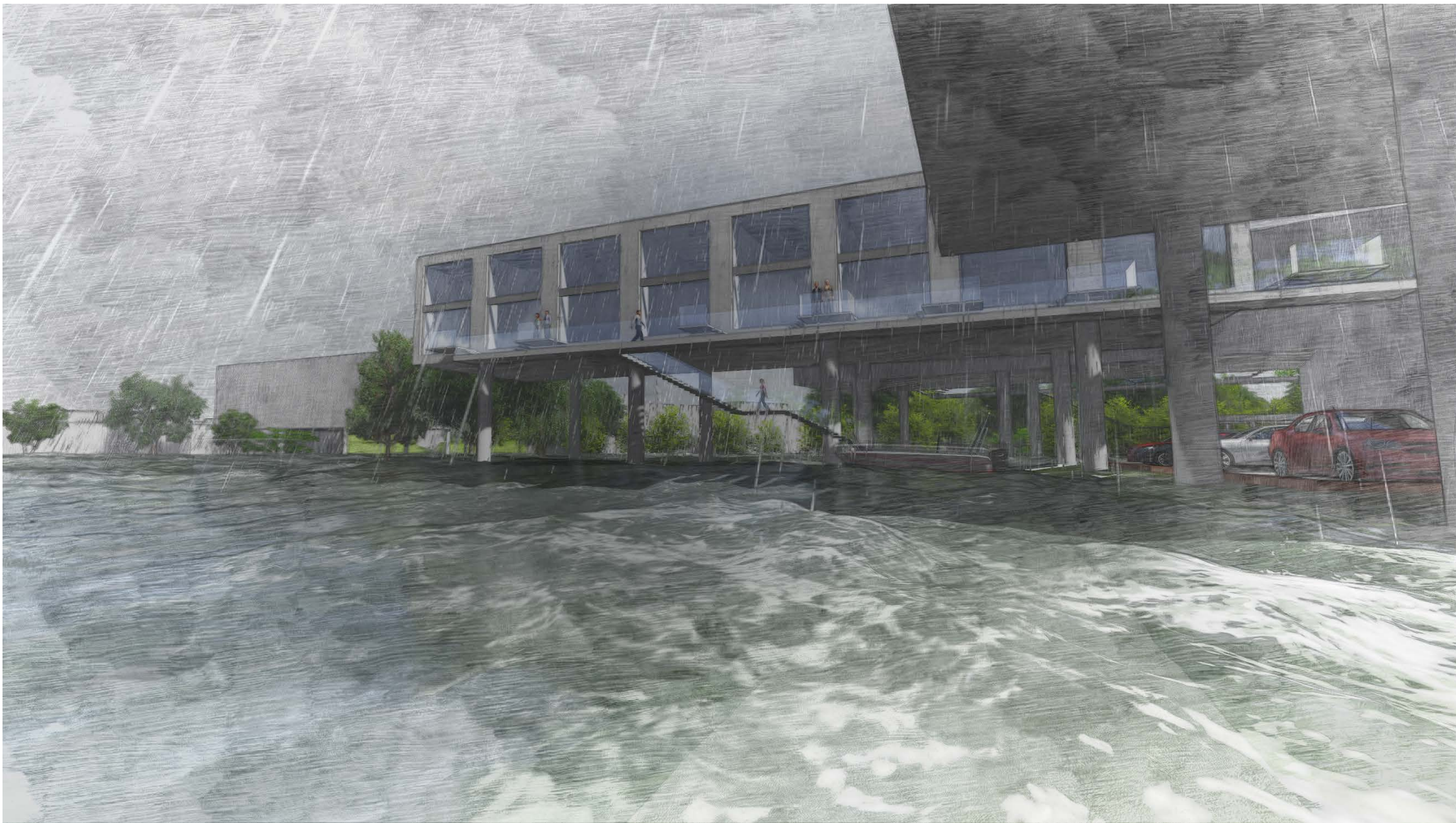
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CONCLUSION

Proposed Ground Plan – 8' Sea Rise

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CONCLUSION

Transformation

Daniel Moreno-Holt **B6**

