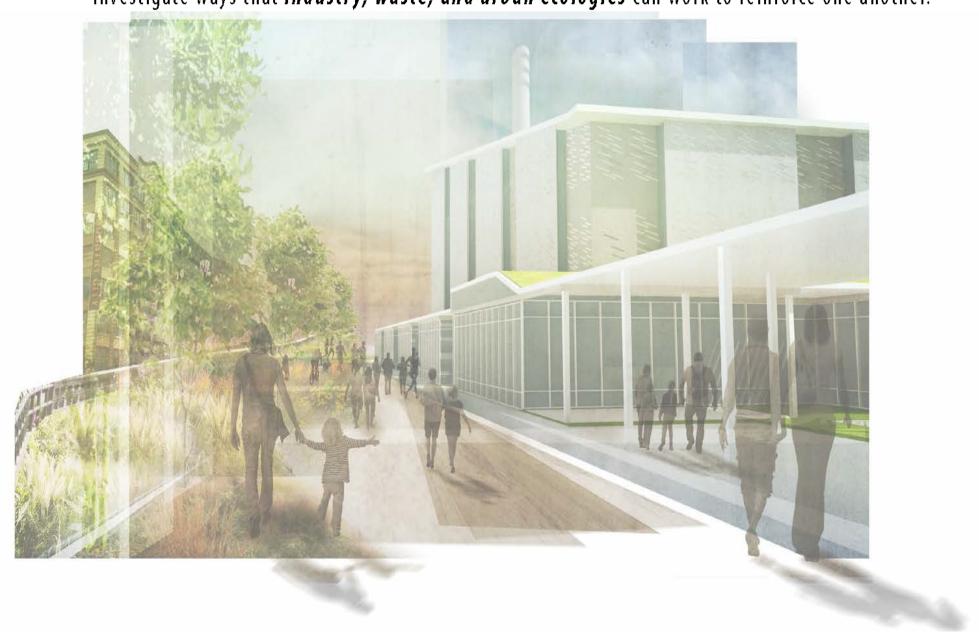


This thesis aims to

investigate ways that *industry, waste, and urban ecologies* can work to reinforce one another.



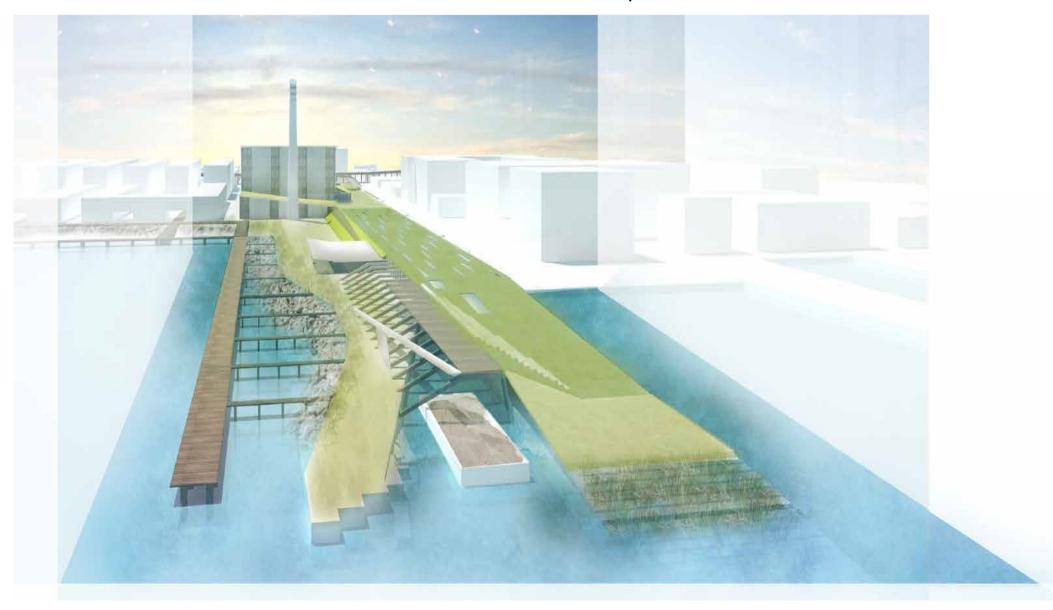
This thesis aims to

repair the physical and mental separation of waste and public activity through the medium of architecture.



This thesis aims to

propose *new avenues for public engagement with waste* processes through the design of architecture and landscape.



Waste Processing in the United States

Landfill + Waste-to-Energy



Freshkills Landfill, Staten Island NY



Essex County Resource Recovery Facility, Newark NJ

Involving Designers in Waste Processing Landfill to Natural + Public Amenity





Freshkills Park, Staten Island NY James Corner Field Operations, 2008

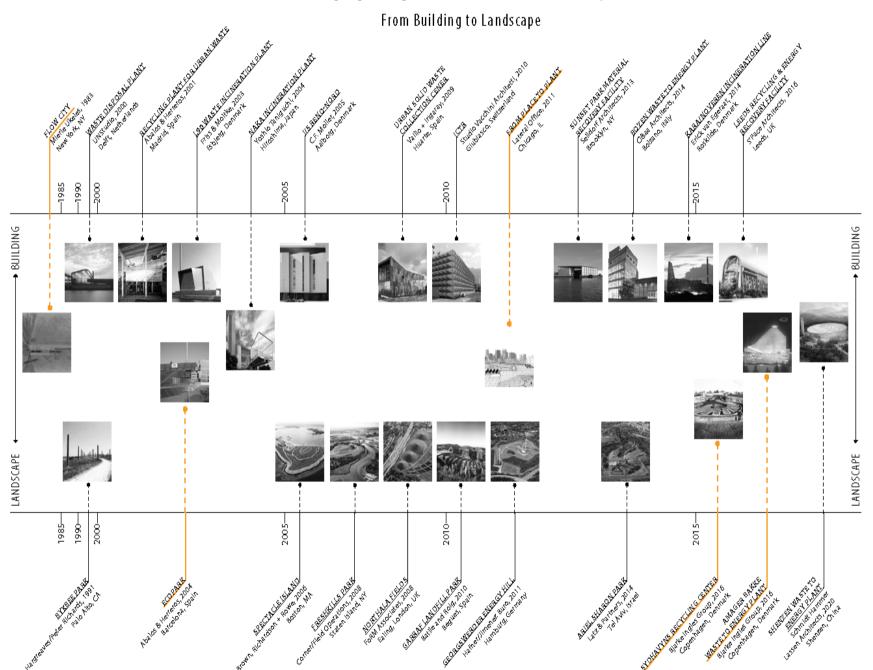
Involving Designers in Waste Processing Waste-to-Energy Plant + Visitor Engagement





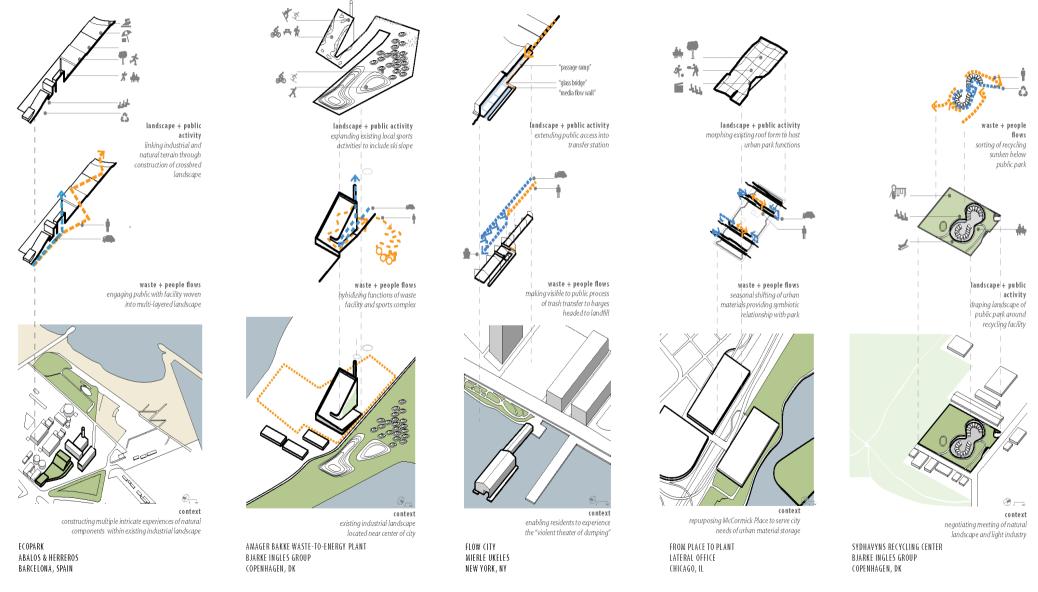
Shenzen Waste to Energy Plant, China Schmidt Hammer Lassen Architects, 2016

Cataloging Designers Involved in Waste Projects



Analyzing Hybrid Precedents

Flows of Waste + People, Landscape + Public Activity

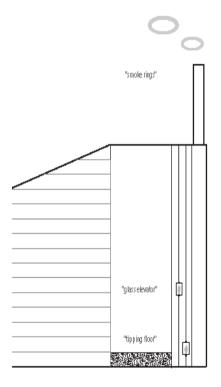


landscape + public activity expanding existing local sports activities to include ski slope waste + people flows hybidizing functions of waste facility and sports complex

existing industrial landscape located near center of city

AMAGER BAKKE WASTE-TO-ENERGY PLANT BJARKE INGLES GROUP COPENHAGEN, DK

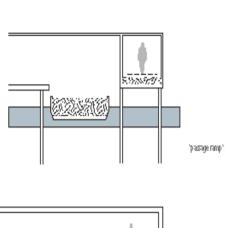
Analyzing Hybrid Precedents Amager-Bakke Waste-to-Energy Plant, Bjarke Ingles Group Copenhagen, Denmark

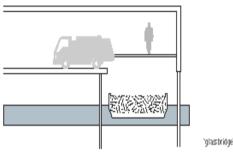


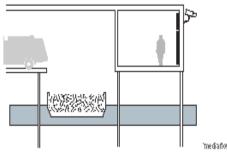


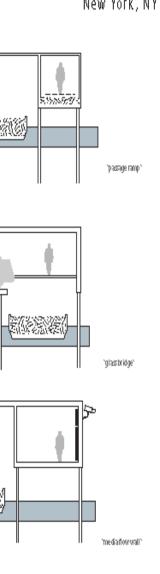
Analyzing Hybrid Precedents

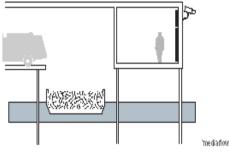
Flow City, Mierle Ukeles, DSNY Artist-in-Residence New York, NY





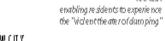












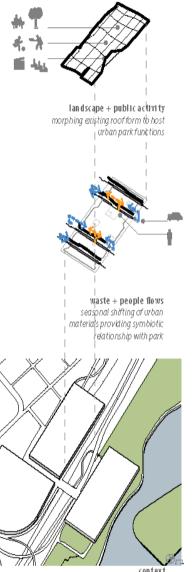
'bassage ramp'' "glassbridge" 'media flow wall"

handscape + public activity extending public access into transferstation

waste + people flows making visible to public process of trash transfer to barges headed tolandfill

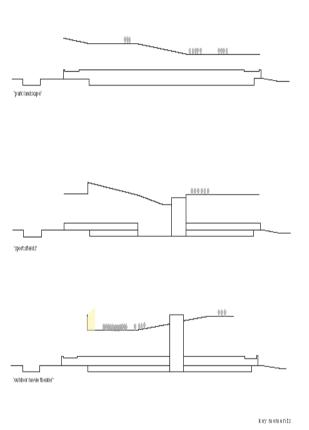
FLOW CITY MIERLE UKELES NEW YORK, NY

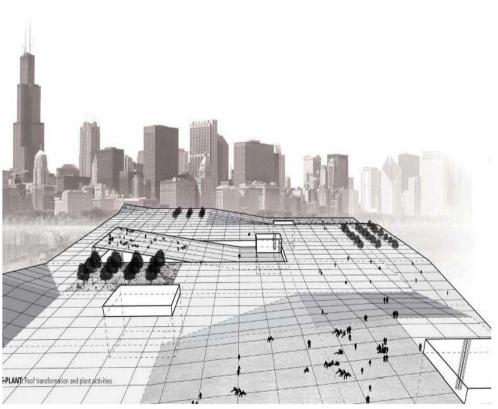
Analyzing Hybrid Precedents From Place to Plant, Lateral Office Chicago, IL



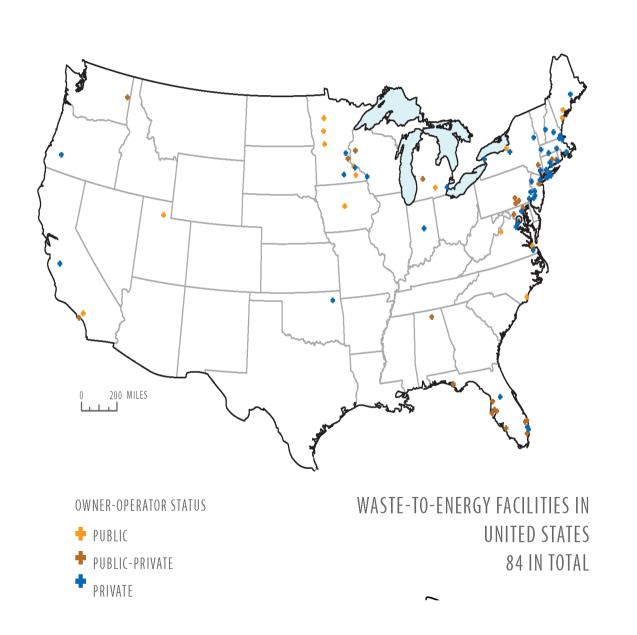
repurposing McCormick Place to serve city needs of urban material storage

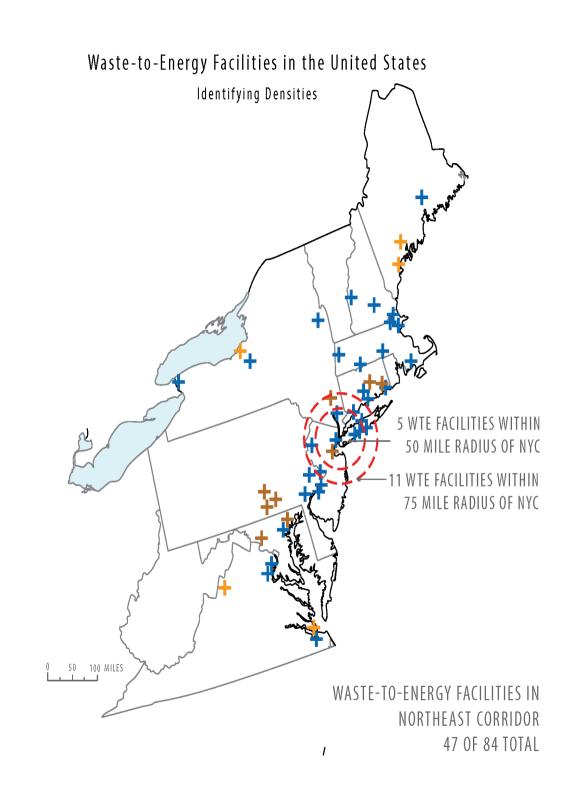
FROM PLACE TO PLANT LATERAL OFFICE CHICAGO, IL



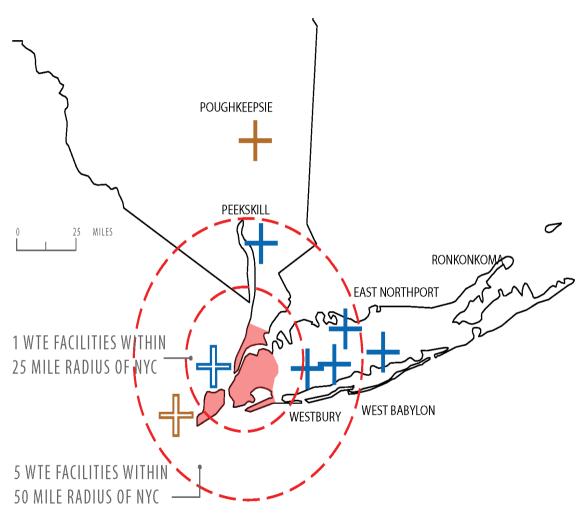


Waste-to-Energy Facilities in the United States Identifying Densities



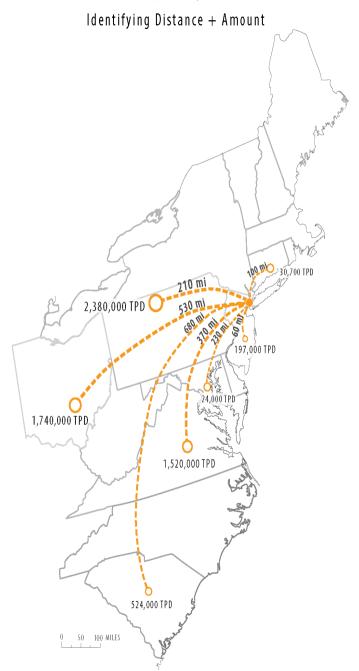


Waste-to-Energy Facilities in the United States Identifying Densities

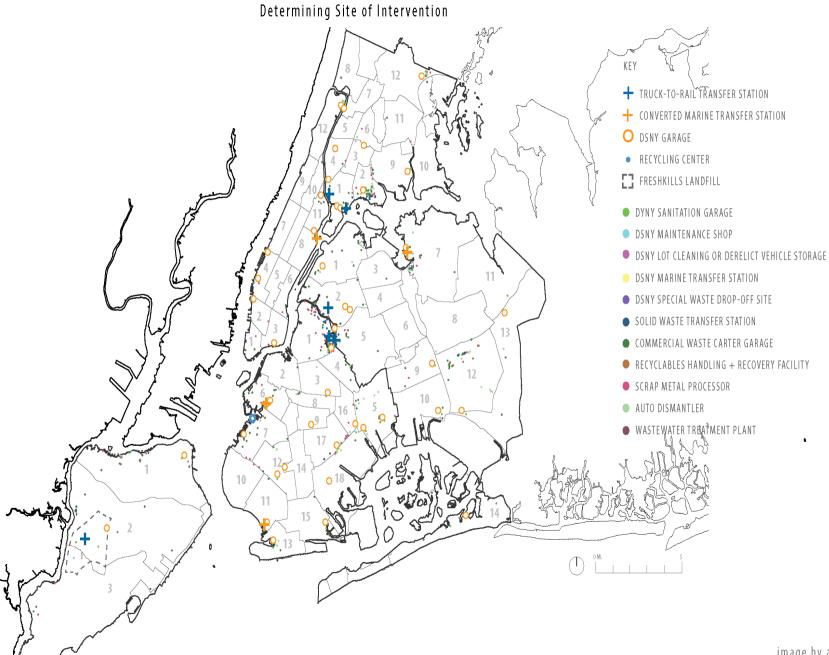


WASTE-TO-ENERGY FACILITIES IN NEW YORK STATE
10 OF 84 TOTAL

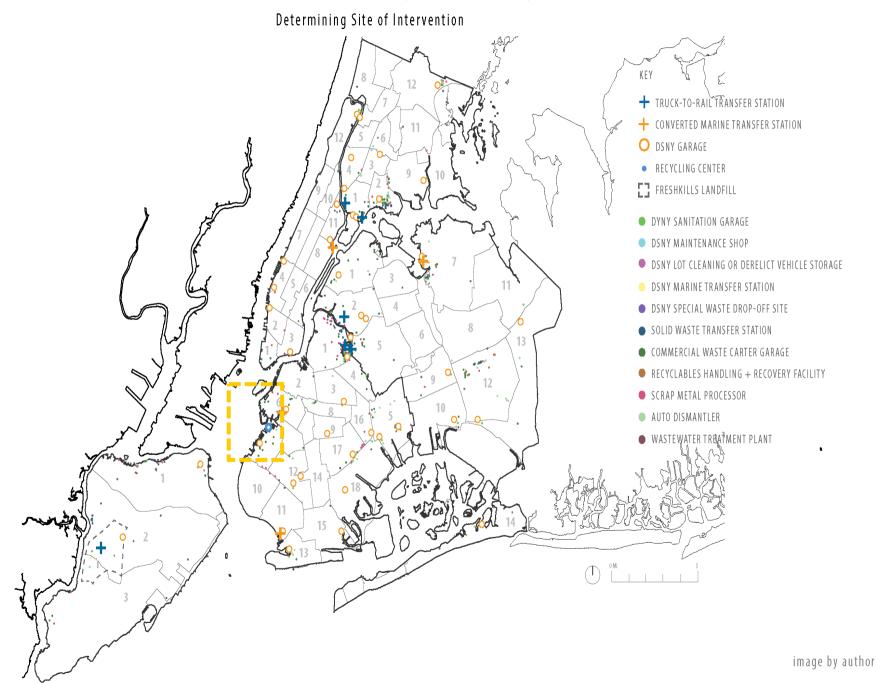
New York City's Export of Trash



Waste Infrastructure Density of New York City



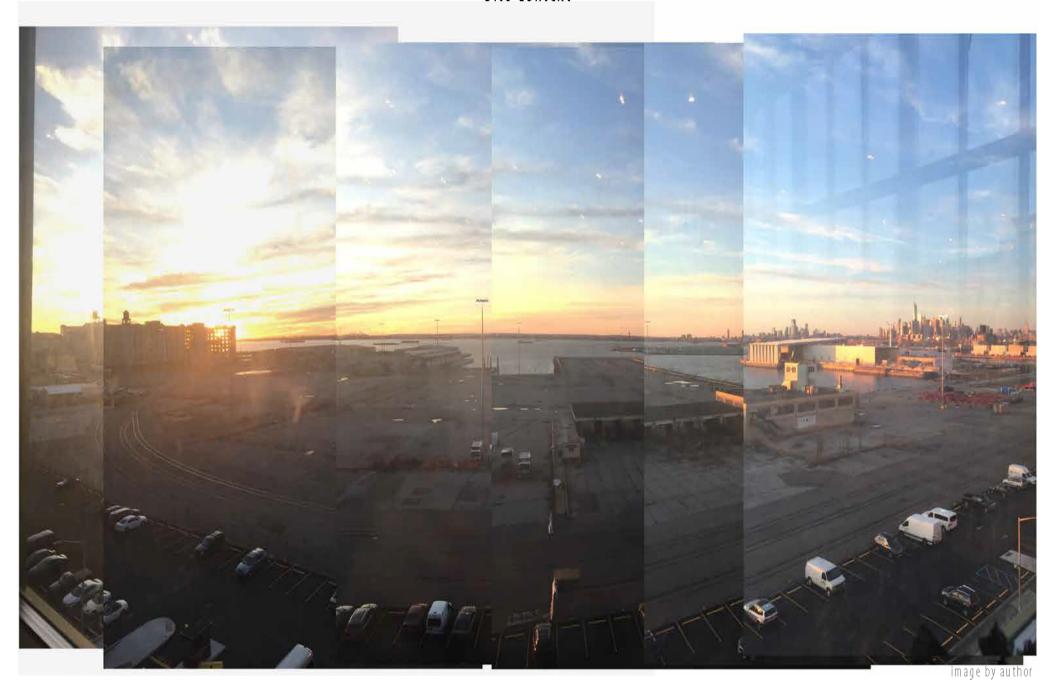
Waste Infrastructure Density of New York City

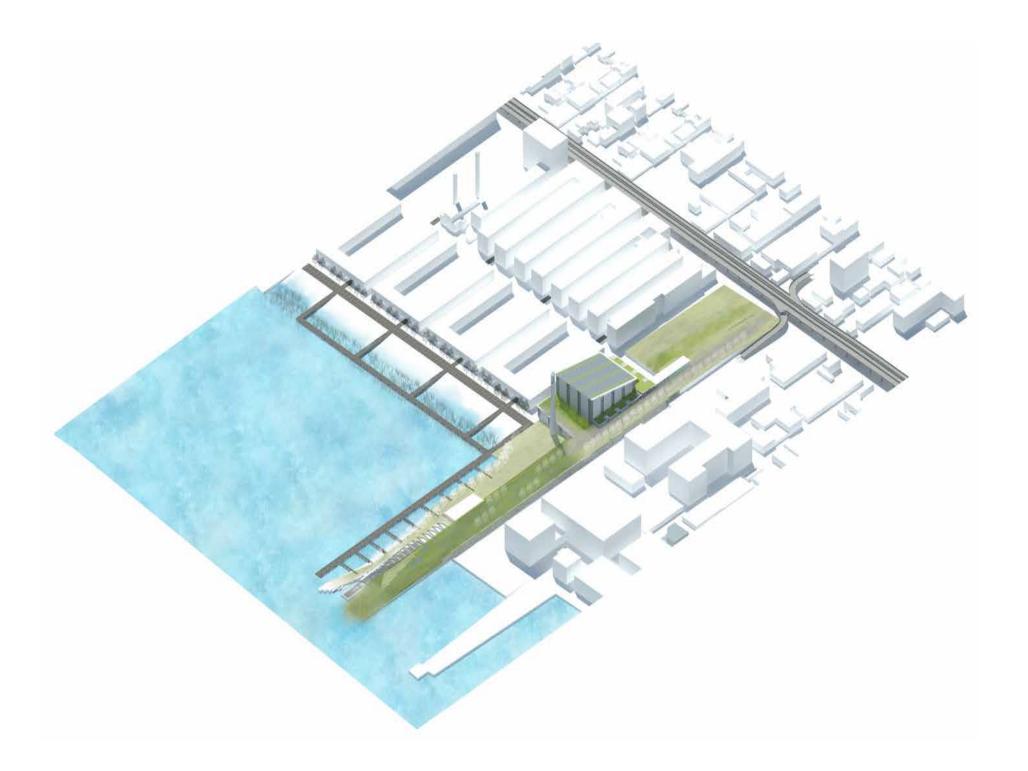


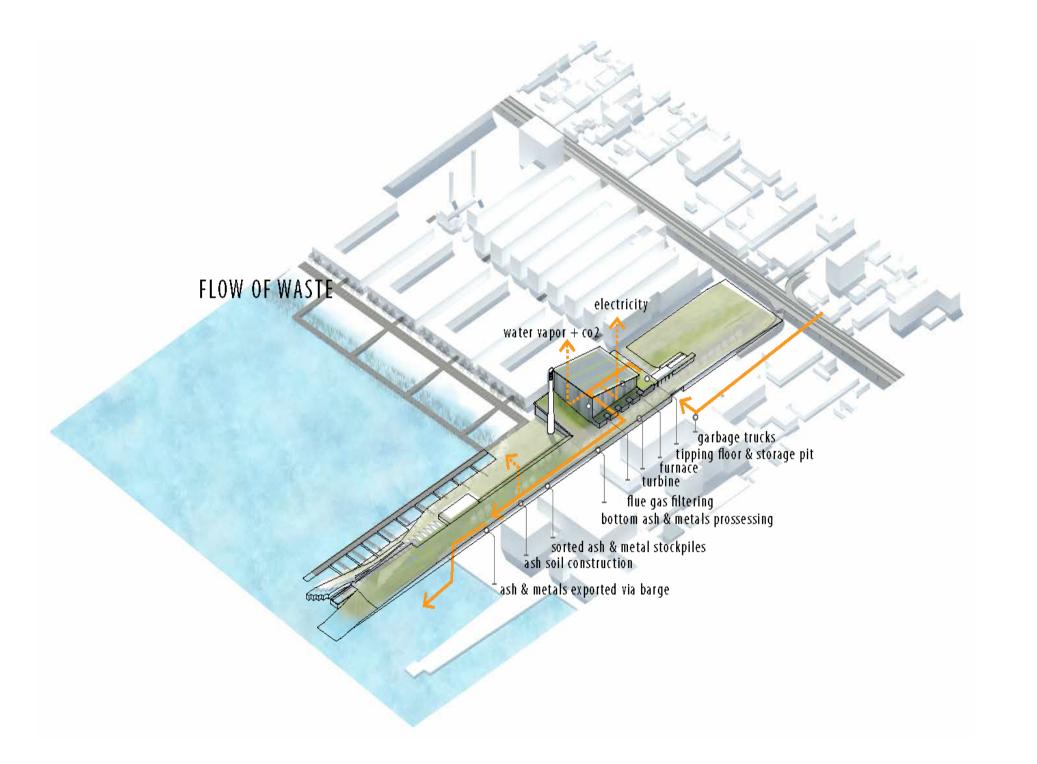
Sunset Park, Brooklyn

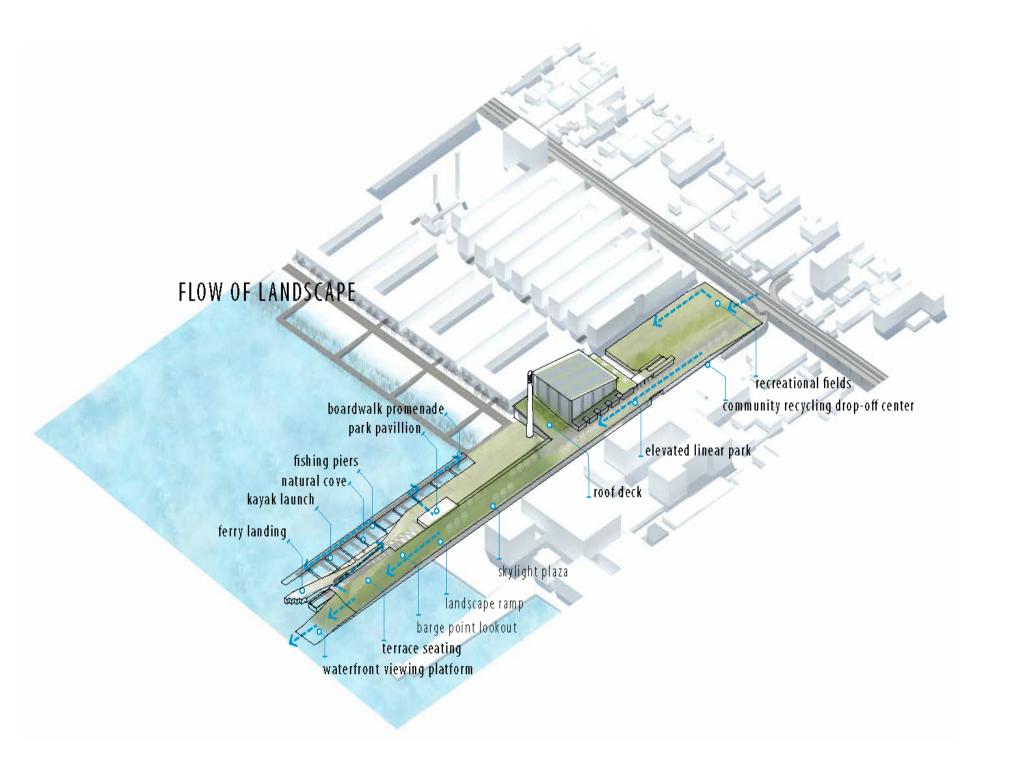


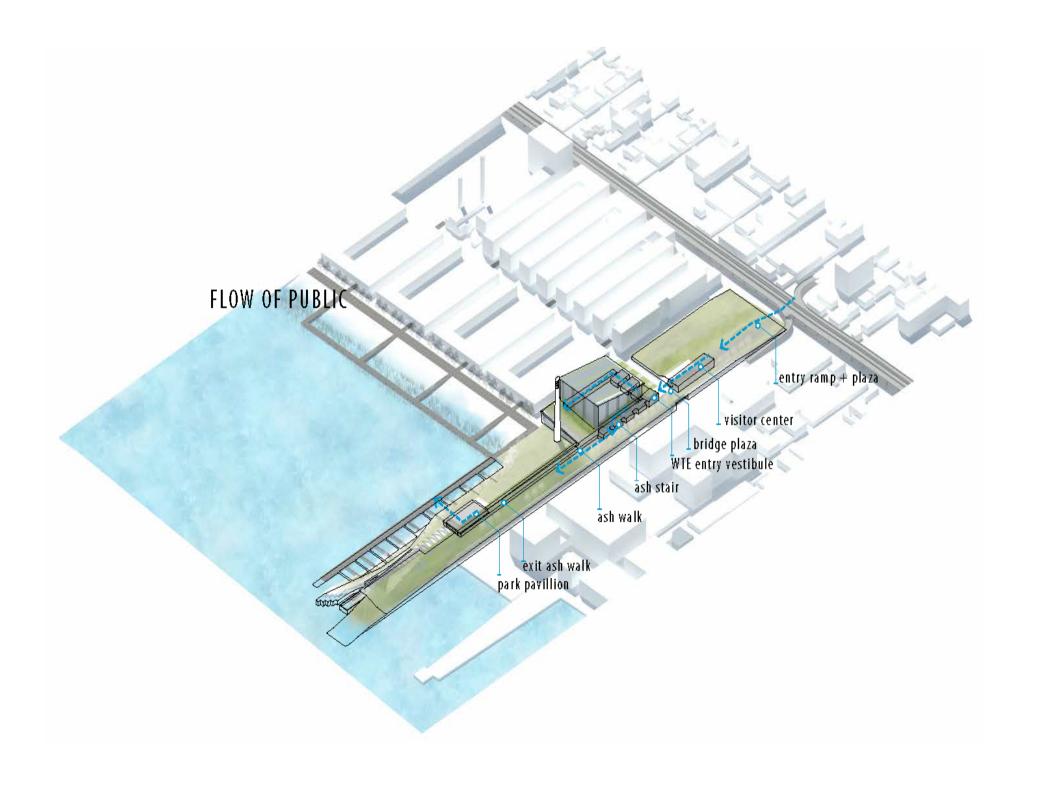
Site Context

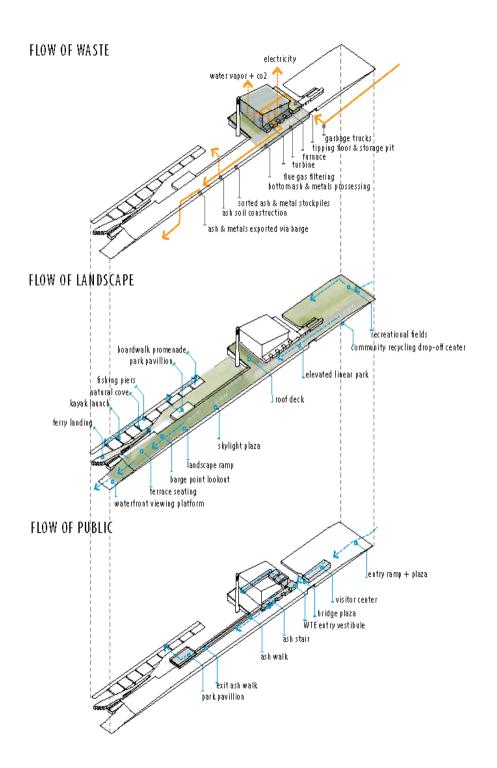


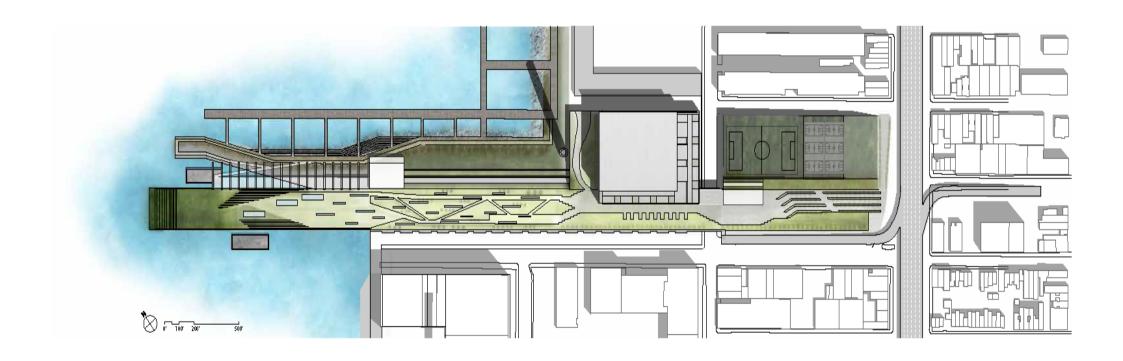


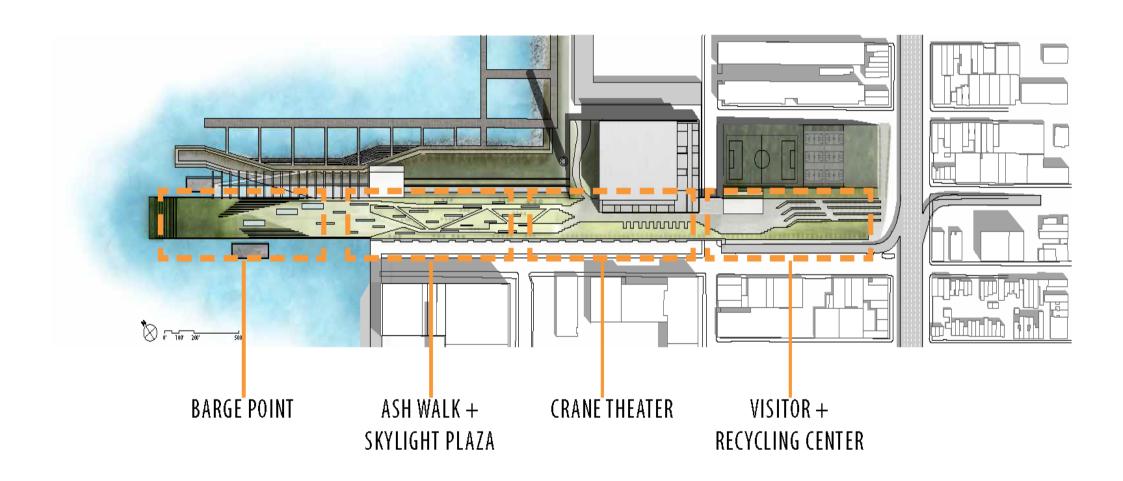


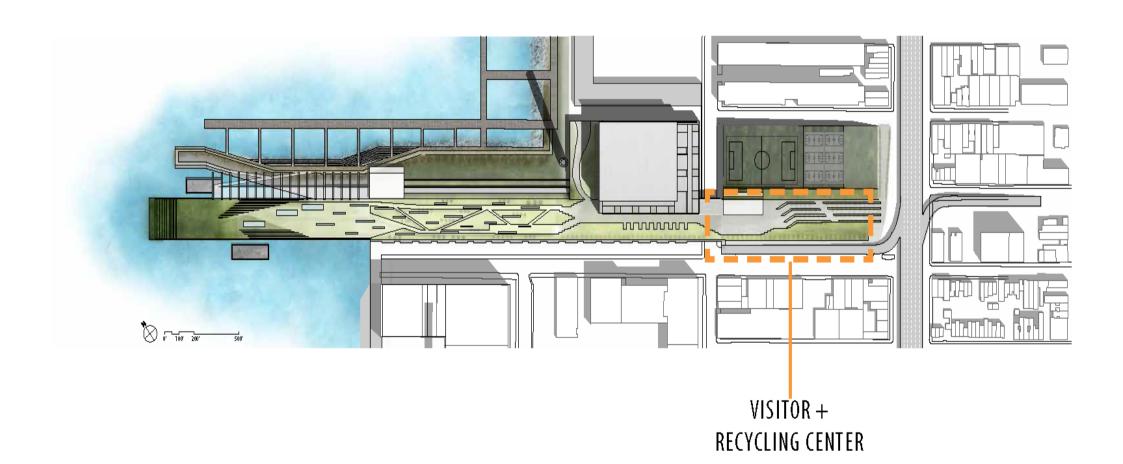






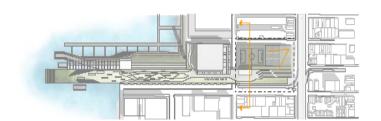


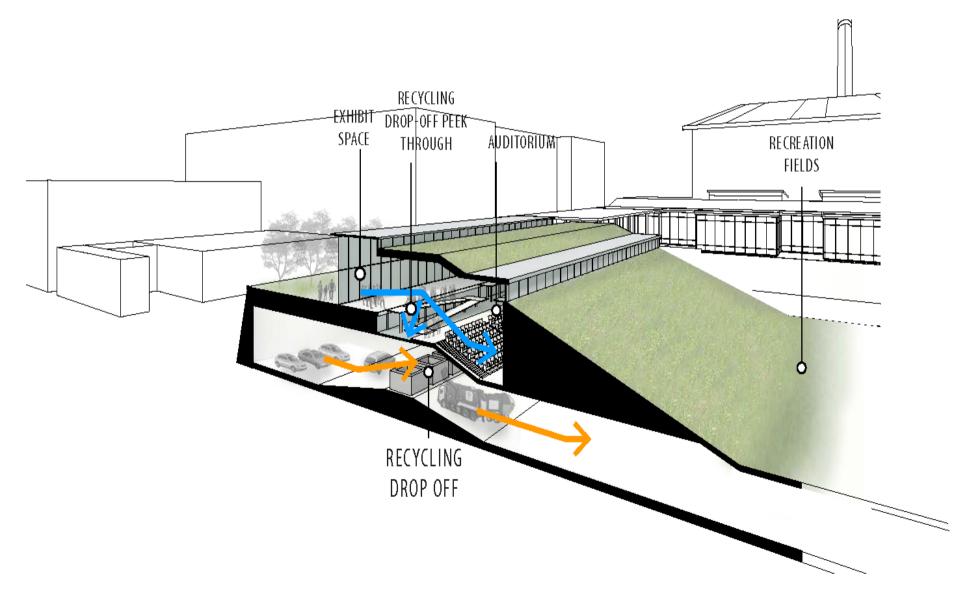




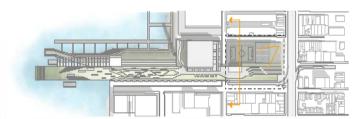
VISITOR + RECYCLING CENTER

VISITOR + RECYCLING CENTER

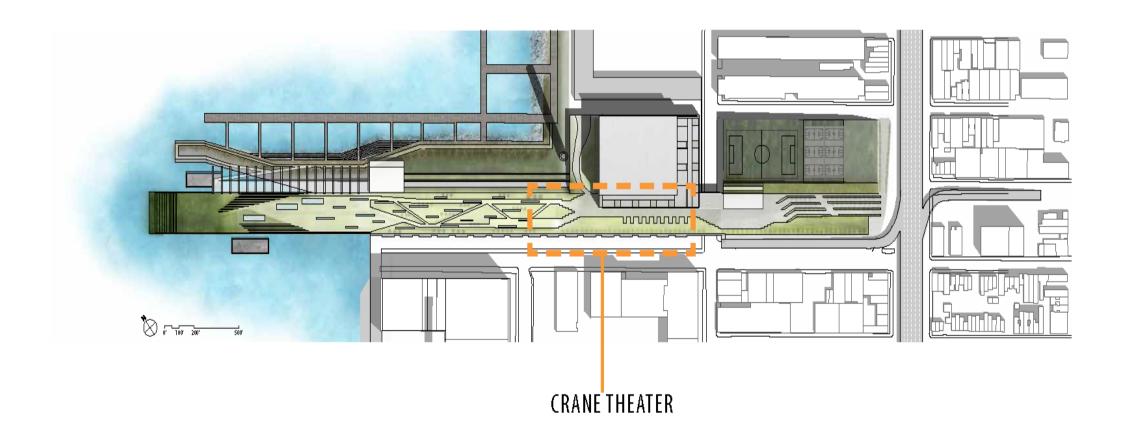


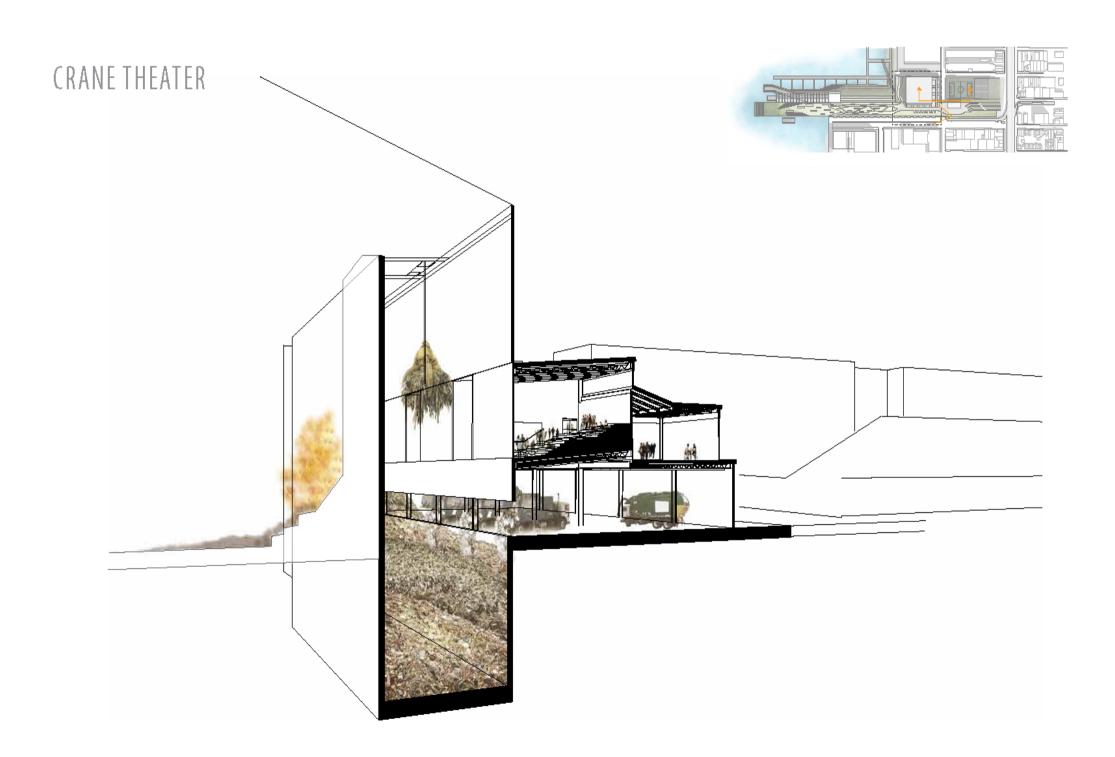


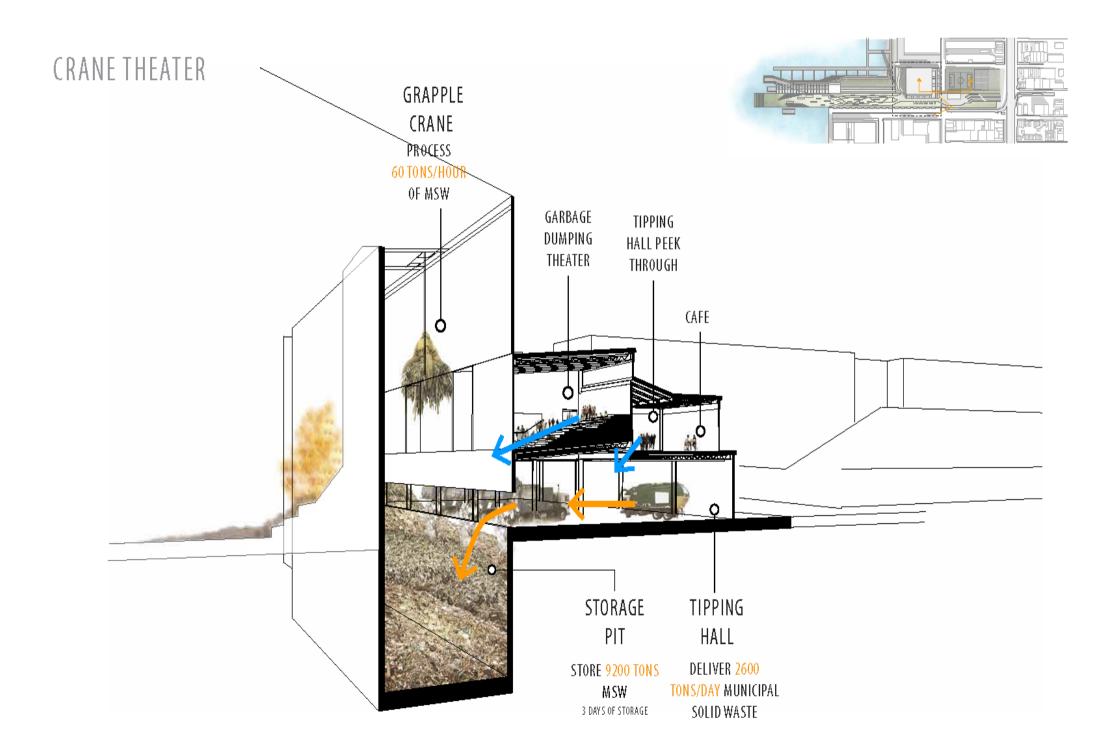
VISITOR + RECYCLING CENTER



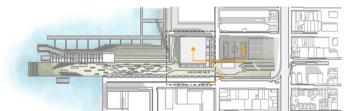




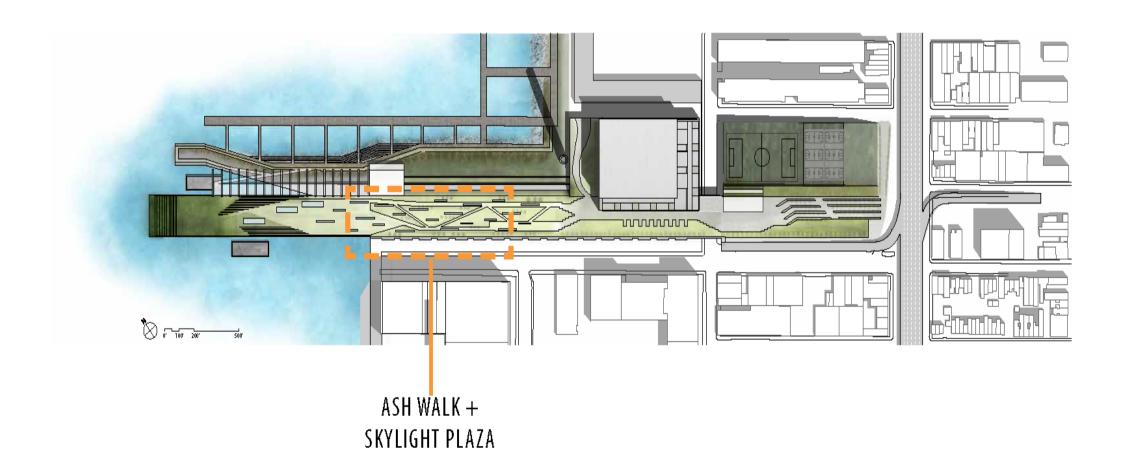




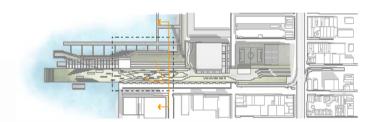
CRANE THEATER

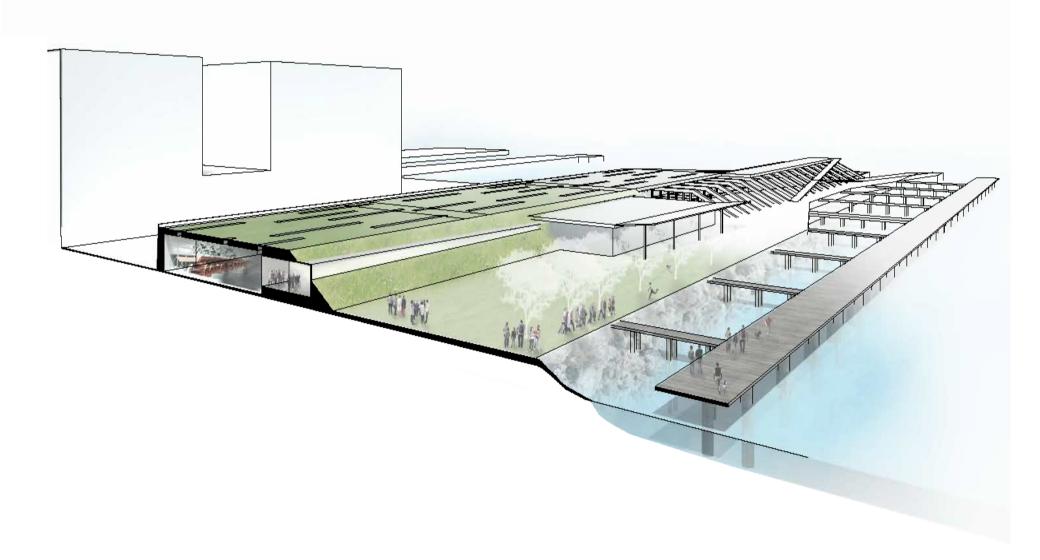






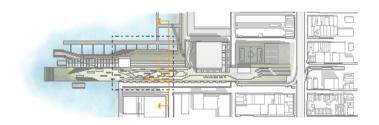
ASH WALK + SKYLIGHT PLAZA





ASH WALK + SKYLIGHT PLAZA SKYLIGHT **BOARDWALK** PARK PLAZA **PROMENADE PAVILLION** ASH WALK ASH + METAL **PROCESSING** 193 TONS/DAY 29 TONS/DAY 130,000 LB/DAY **BOTTOM ASH** FLY ASH METAL **PRODUCED PRODUCED** RECOVERED

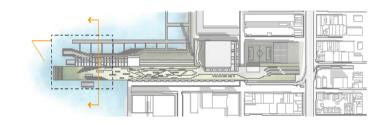
ASH WALK + SKYLIGHT PLAZA

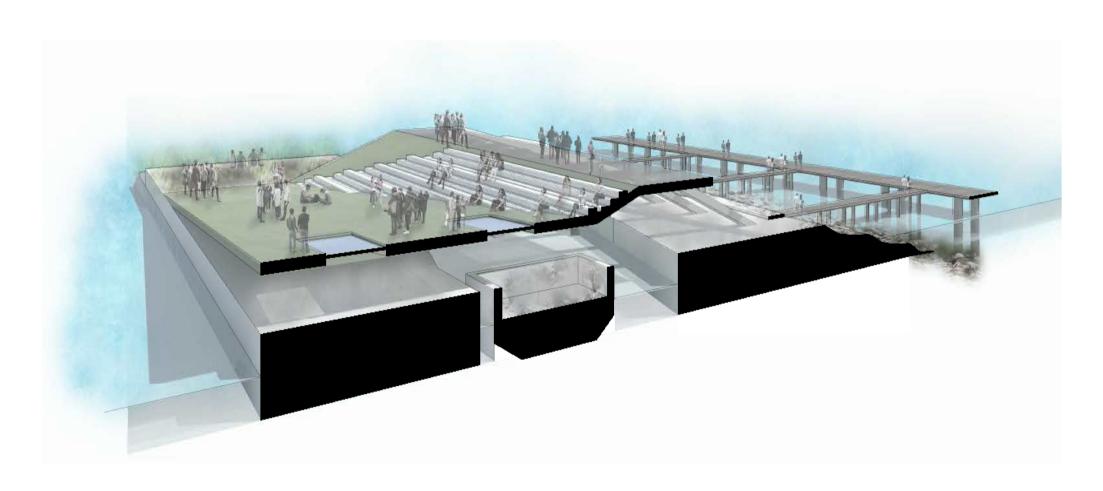




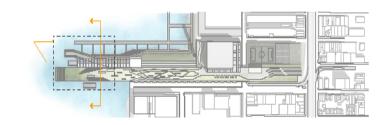


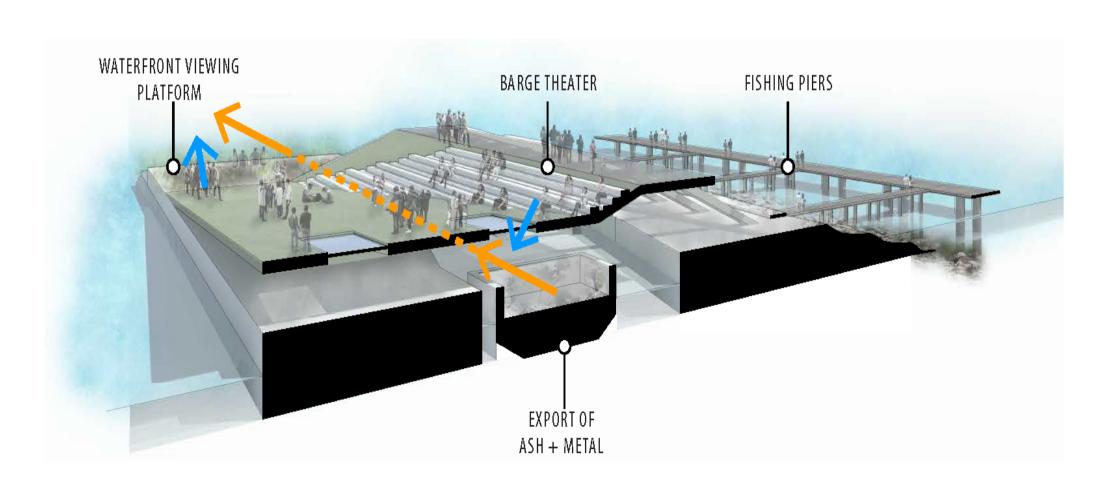
BARGE POINT





BARGE POINT





BARGE POINT

