



PIER 15



PIER 15



NEW MARKET BUILDING



PIER 35

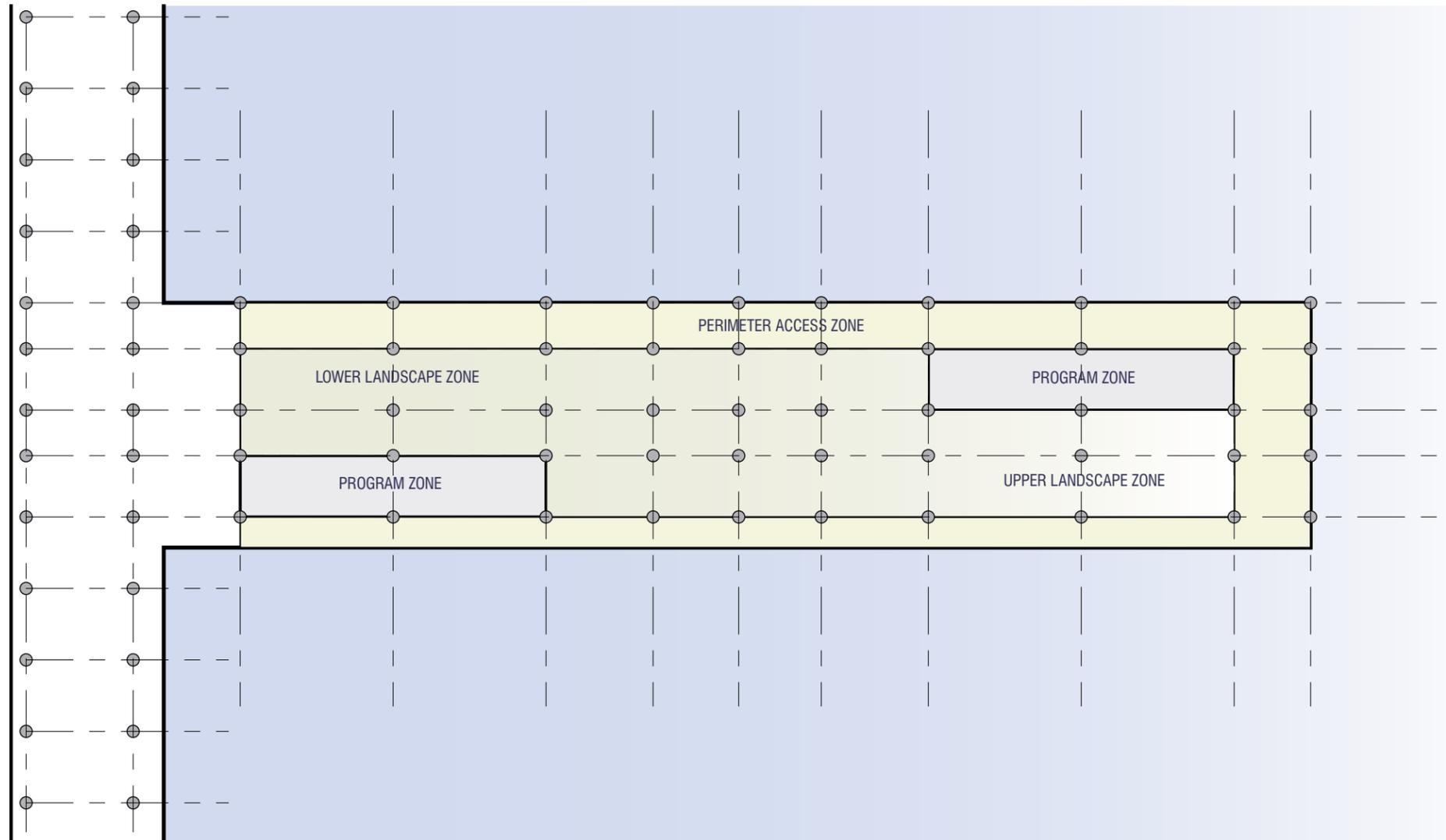


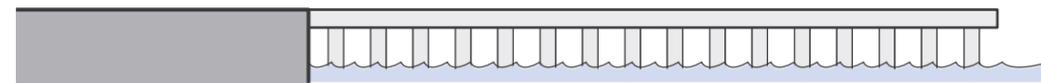
PIER 35



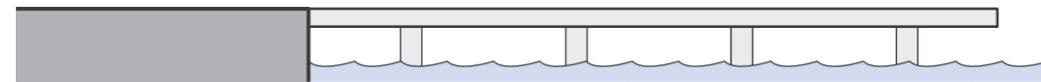
THE PIERS

The piers along the East River present a unique opportunity to bring the community out to the water's edge. The experience of public open space over the water has been extremely successful in other parts of the City. New pier construction presents the opportunity to turn underutilized areas into public space and to provide healthy habitats for local marine life. These new structures would be built in an environmentally sensitive manner to enhance habitat growth. Through the design and development of higher platform structures with widely spaced piles, in-water structure will decrease sedimentation and increase water flow, thus becoming environmental engines.

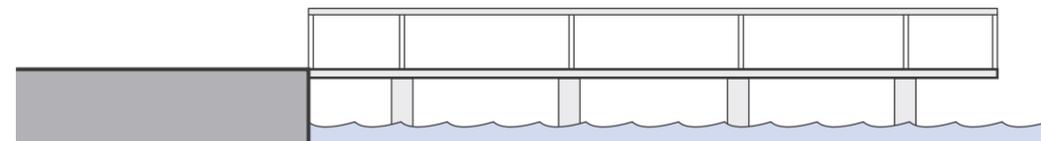




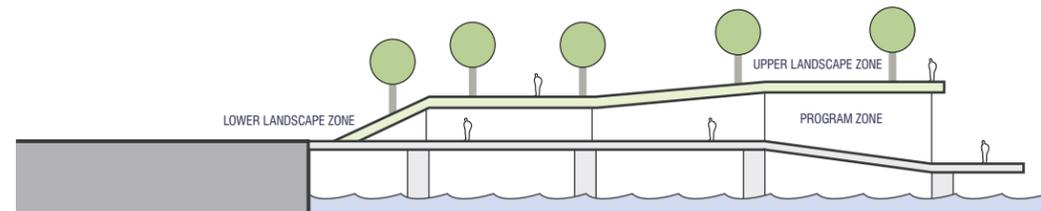
CURRENT TYPICAL PIER STRUCTURE



IMPROVED PIER STRUCTURE REQUIRES LONGER SPAN



LONGER PIER SPAN REQUIRES VIERENDEEL TRUSS



VARIED VIERENDEEL TRUSS PROVIDES DIFFERENT LEVELS OF OCCUPATION

PIER STRUCTURE TYPES

The existing piles in the study area are spaced closely together causing water flow disruption and creating an increase in sedimentation. Build up and flow disruption hinder the development of healthy aquatic life that would normally use the pile surface for habitat. An effective means of increasing tidal flow and aquatic habitat can be achieved by using the smallest pier pile footprint. The subsequent surface area created is substantially less than a conventional pile plan, but this can be compensated for with new habitat structure. The simple addition of reef balls is a cost effective and environmentally friendly means of increasing habitat.

The new pier structure provides an opportunity to bring programs and activities out to the water's edge. Further development of the new pier type would take advantage of the long span and treat it as a Vierendeel truss. This allows for enclosed areas and simultaneously the ability to take advantage of the roof as an outdoor park and viewing area.

PIER 15

As one of the few opportunities to rebuild over water, Pier 15 is a critical component of the revitalized waterfront. A new piling structure spaced 30 feet to 50 feet to enhance water flow and scouring for underwater habitats, provides a sustainable platform for mooring and long-span structural trusses. Taking advantage of the added depth, the space that these trusses require has been programmed with water-dependent programs, a potential educational facility or other maritime or commercial uses. A series of gently sloping ramps connects the mooring level with an elevated park on top of the programmed trusses. This park surface provides berms and lawns, above the activity at the mooring level, creating a two-level park pier. The lower level would provide continuous public access around the pier and the upper level would allow for more unobstructed views of the river and harbor.



PIER 15 - EXISTING CONDITION



PIER 15 - AERIAL VIEW



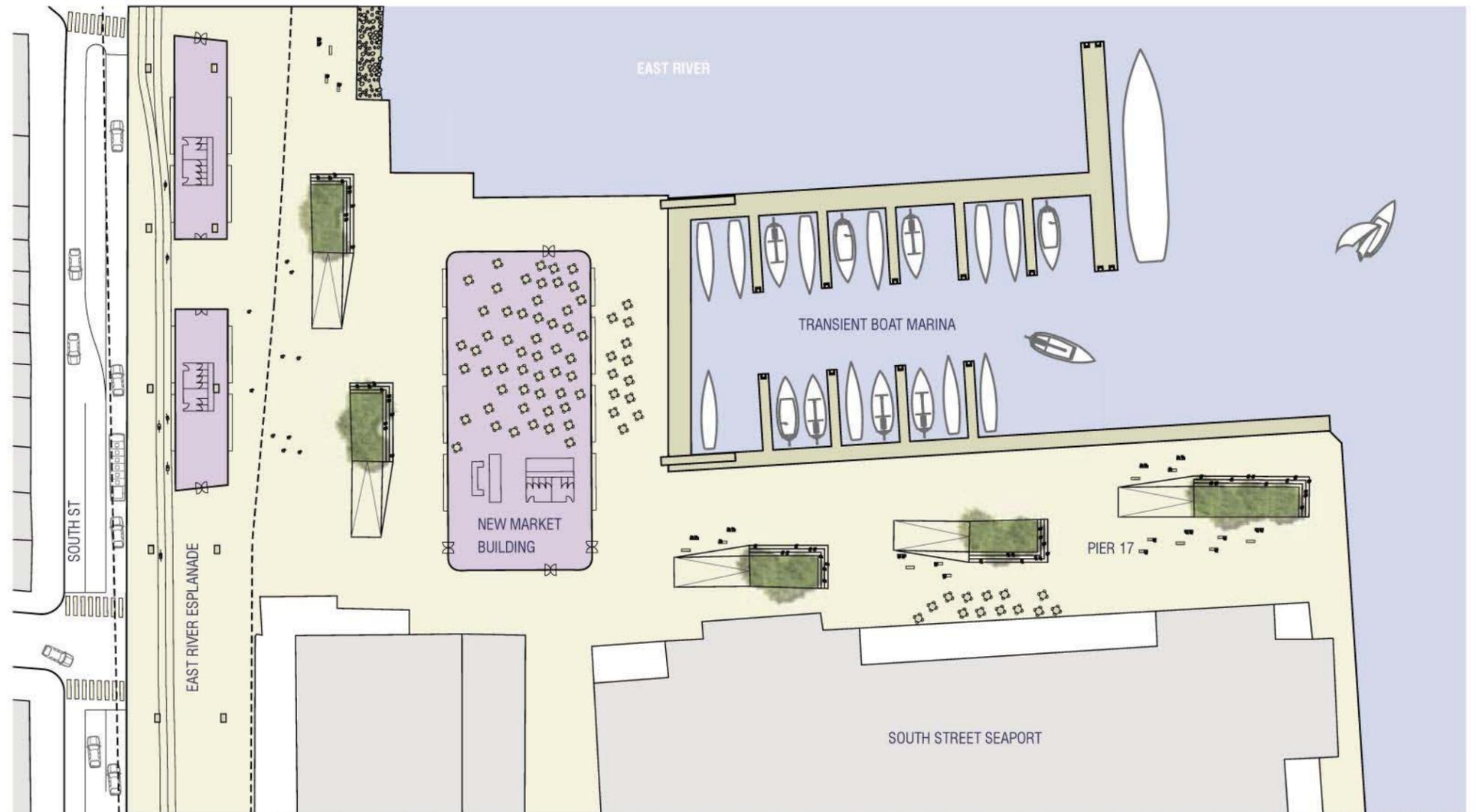
PIER 15 - EYE-LEVEL VIEW

NEW MARKET BUILDING

When the Fulton Fish Market moves to the Bronx in 2005, the New Market Building will be returned to the City's control. The existing building and pier will be demolished and rebuilt to enhance aquatic habitat, as well as provide access to the water's edge where there currently is none. The new building will be transparent with an open floor plan for community and commercial uses. A new transient boat marina will provide a much needed location for boating enthusiasts and amateurs alike to temporarily moor their vessels. This marina will provide direct access for small to mid-sized vessels in the East River and a destination for boaters from around the region to access Lower Manhattan by water.



NEW MARKET BUILDING - EXISTING CONDITION



NEW MARKET BUILDING - PLAN



NEW MARKET BUILDING - AERIAL VIEW

PIER 35

Once the chain link fence is removed from the disused pier west of the Department of Sanitation shed, Pier 35 will become a vital public amenity. A large public plaza will provide access to the waterfront, including a possible boat launch, as well as place for family gatherings, including picnic tables and outdoor grills. A gently sloping path will rise to an elevated platform with sweeping views of the Manhattan Bridge, Brooklyn Bridge and harbor beyond. This ramp has the additional function of screening public open space from the existing sanitation facility, as well as providing enclosed space on the pier for the creation of additional waterfront destinations.



PIER 35 - EXISTING CONDITION



PIER 35 - AERIAL VIEW



PIER 35 - EYE-LEVEL VIEW