

REGENERATIVE INFRASTRUCTURES

Freshkills Park, NYC

Land Art Generator Initiative

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PRESTEL

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Sock Farm

Sock Farm draws inspiration from the pliant fabric of the wind sock that indexes the direction of an invisible weather condition. The idea of the wind sock, shaped and billowing, is coupled with an age-old obsession of humankind to fly, to be air-borne, and lately, to harvest the potent energy of the wind using high-altitude kites. *Sock Farm* focuses on the air while creating ground structures that address the fragile ecology of the landfill park while floating in between the network of engineered systems.

Freshkills Park's East Park is proposed as the site of a two-part intervention that uses solar and wind-based technologies to generate energy. While exploring the vision of a destination renewable energy farm, it also values the land as an asset to the neighborhood. Responding to the economic development report put together by PlaNYC, it introduces a complementary program of an indoor produce farm on the site. Fruit and vegetables planted in a series of barge-like soil tubs are enclosed in semi-transparent photovoltaic glass vaults. These "fresh houses" are capable of generating enough energy to power 1,500 homes per year.

On the other half of the site, glider kites power a radial array of smaller "sock kites" that work in tandem to generate a pulsating canopy on the banks of Main Creek. This mobile canopy is a moniker of the wind and sun as it traces ever-changing shadows that highlight the terrain of the grassy garbage mounds.

ARTISTS:

Nandini Bagchee, Artur Dabrowski,
Andrew Swingler

ARTIST LOCATION:

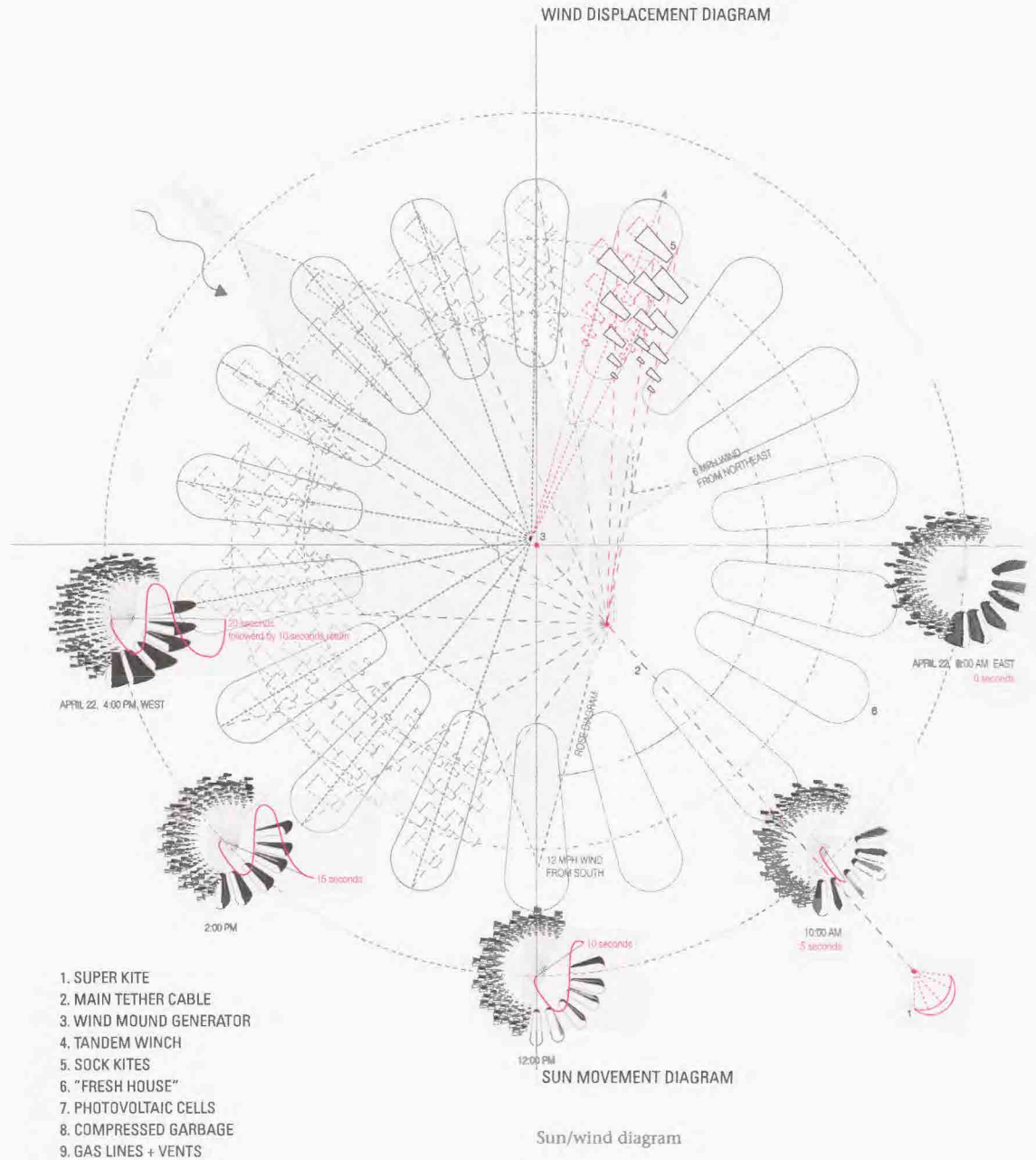
New York City, USA

ENERGY TECHNOLOGIES:

wind kite, photovoltaic

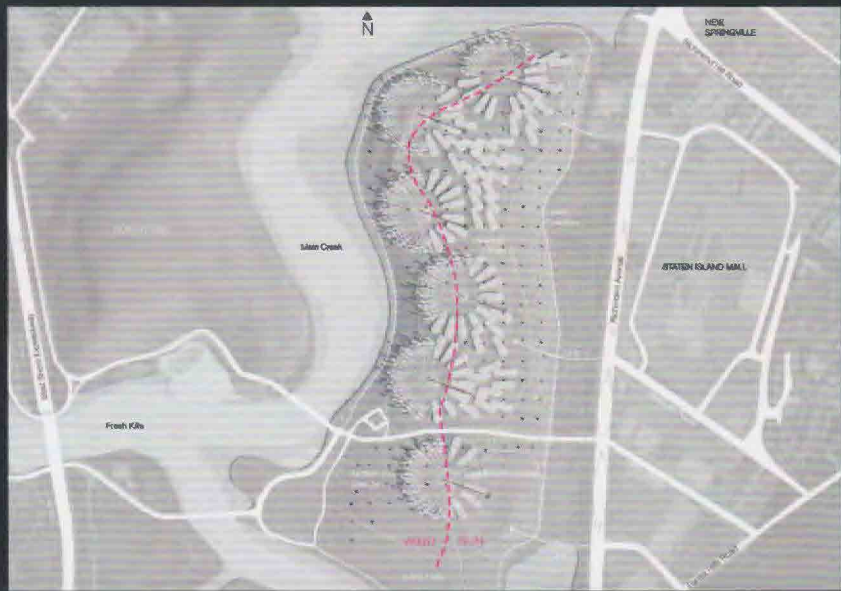
ANNUAL CAPACITY:

14,520 MWh

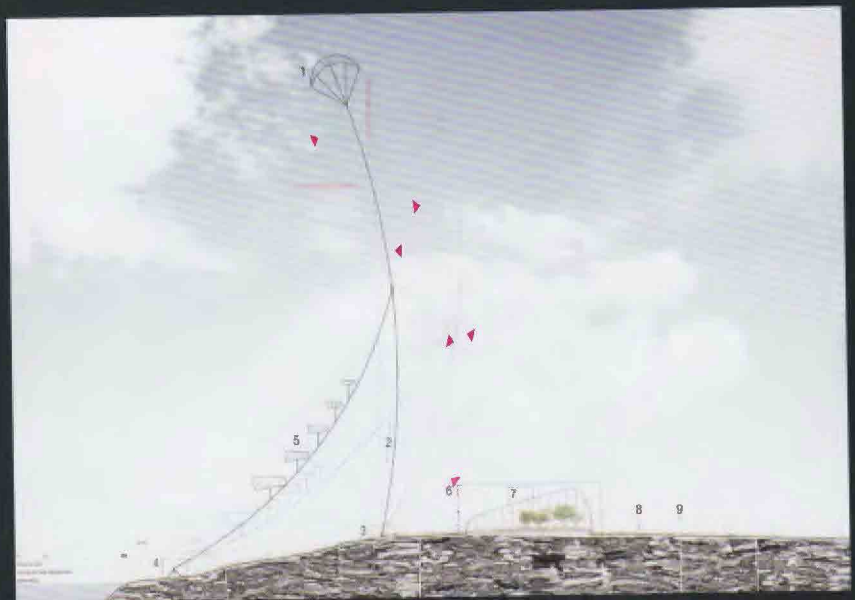




"Sock Kites" and "Fresh Houses"



Site plan



Site section