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Garbage on the Staten Island side; industrial clutter across Arthur Kill in New Jersey.

OPPOSITE

An aerial view of the landfill, around the time planning for the park began.

ROUND 1750, a cemetery was established That is where the refuse was deposited, creating New York from New Jersey. Or perhaps it was transformed into Freshkills Park. At 2,200 acres, it chosen because marshy edges, until recently, were will be nearly three times the size of Central Park. considered of little use.

broken. The view is ruined, too. Below is what three decades, but now behind schedule—as well locals call the boat graveyard, dozens of rusting, as its ecological potential. half-submerged ships and barges. To the west, the New Jersey bank is cluttered with industrial facilities. Just north, across a creek, is a long slope, boroughs for being primarily suburban in characblank but for grass cover, reaching a height of 225 ter. It is also the least densely populated, retaining feet. This is the largest of four mounds at one of significant area that is virtually unbuilt. Contiguthe world's largest landfills, where 150 million ous with or closely adjacent to Freshkills Park are tons of New York City garbage was dumped be- another 4,000-plus acres of park and conservation tween 1948 and 2001.

Most of Staten Island's west coast is porous wet-little-used (and unprotected) marsh, wetland, and land. The area around a trio of tidal creeks flowing forest. This vast combined sweep touches a couple from a marsh and woodland ecosystem became of residential neighborhoods and contains some known as Fresh Kills. (Kill, Middle Dutch for waroads and a handful of industrial sites, some moritercourse, is common in New York place names.) bund. Freshkills Park sits roughly at its center.

on a slight rise at the far western edge of artificial land in the form of four huge mounds. Staten Island. Perhaps the spot was chosen Fresh Kills landfill closed in 2001 (it was briefly for its restful prospect over a salt marsh reopened to receive debris from the World Trade shoreline and the tidal strait separating Center) and has since been capped. Now, it's being Almost every aspect of the landfill's repurposing is of similarly great scale. That includes its construc-Only a few dozen headstones remain, eroded and tion timeline—originally envisioned to extend for

> Staten Island is unique among New York City's land that are protected from development. This acreage is interspersed with a like amount of

2 South Mound 3 East Mound West Mound 5 DSNY Staten Island waste transfer station 6 DSNY construction staging area 7 DSNY Staten Island District 2 Garage 8 Stormwater basin 9 DSNY construction operations area 10 DSNY landfill gas and purification system 11 DSNY Staten Island District 3 Garage and Borough Repair Shop 12 DSNY leachate treatment plant 13 DSNY LFG flare station Freshkills Landfill site boundary Solid Waste Management Unit boundary Arden Heights Woods

1 North Mound

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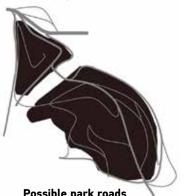
PLANTING IMPLEMENTATION/WOODLAND PLANTING CONSTRAINTS





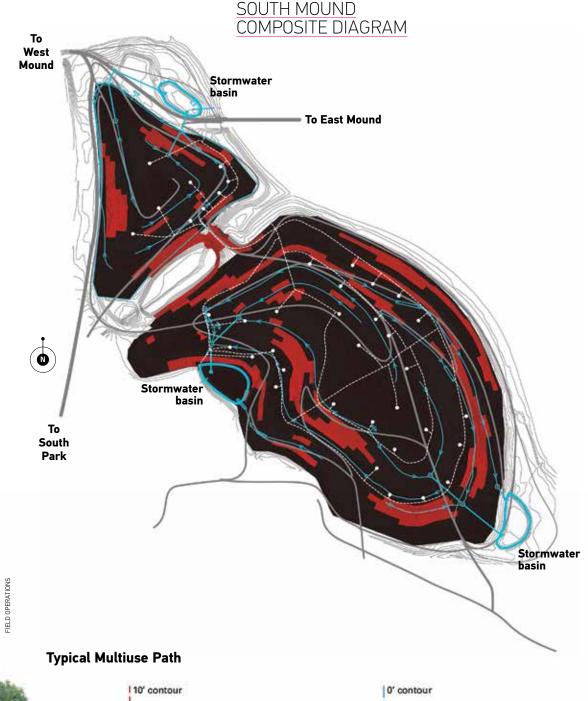
Drainage systems





Possible park roads

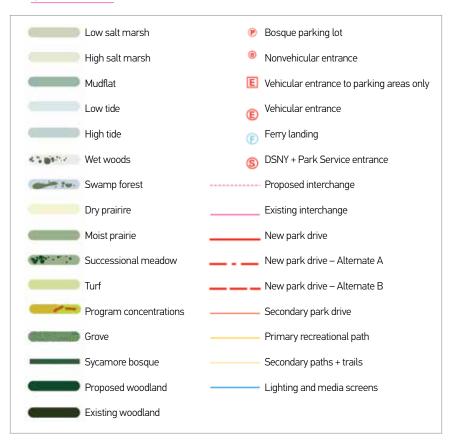
Renaturalizing the landfill could be pivotal in nurits own dimensions, viewsheds, and adjacency turing a connected, if not quite untrammeled, to open water and developed areas—distinct corridor of green infrastructure and wildlife habitat conditions and opportunities. Closure, capping, stretching up and down the island's 10-mile west and installation of systems to collect and treat the shore and deep into its interior. The Freshkills Park leachate and methane emitted by the mounds, draft master plan, produced by the landscape archiand to mitigate against erosion, were conducted tecture firm Field Operations in 2006, expresses by the Department of Sanitation of New York bea vision of the park that is just as capacious and ginning in 1986, on a separate timetable for each hopeful. But the complexities of the project are formound. Things moved slowly: This work was midable. Among those are not only the magnitude certified complete in 2022. During that time a few and challenges of the site, but also multiple layers of modest interventions, at the site's edges so they jurisdiction and regulation that must be negotiated. would not pose a risk of damage to any capped area, were carried out by the New York City De-Three of the landfill mounds are naturally sepapartment of Parks & Recreation: the renovation of rated from one another by creeks, while the fourth an adjoining, existing neighborhood playground; is delineated by an expressway. Each mound has the construction of a 20-acre complex of sports





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SITE PLAN



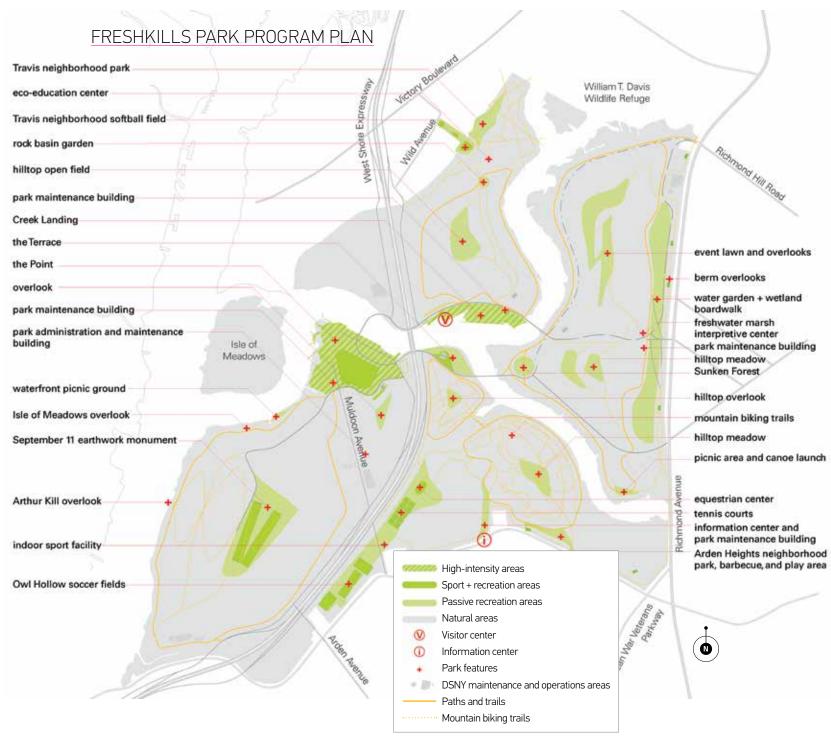
fields across a road from a residential area; and old appliances and other junk.) What is suggested a 3.2-mile multiuse path along a busy boundary for each of the four parks varies. But generally, what boulevard. These provide recreational opportuni- will be possible on the mounds are low-impact ties to nearby communities, raising awareness interventions along the lines of paths and art instalof the park's advent. One other initiative was lations, and activities such as biking, kite flying, realized in that time, though then out of public nature study, golf—and savoring the views, which sight: cleanup and wetland restoration along a include the Manhattan skyline. Dry lowland edges, prominent creek. But these projects hardly evoke however, off but adjacent to the caps, can accommoas a whole.

to conceptualize the park in smaller, more manageable pieces. The master plan defines the four mounds as distinct parks within the park, called

Field Operations' imaginative plan for Freshkills date parking, modest structures like restrooms, and sports fields. "These active recreation pieces set us apart from other landfill-to-park conversions," says Faced with a challenge so large, the firm chose the landscape architect Adrian Smith, FASLA, the leader for Staten Island.

North, East, South, and West Park. They are, respectively, 233, 482, 425, and 545 acres. Where the four refuse-laden barges docked and their contents come together, a fifth area of 100 acres has been were transferred to trucks to be hauled and tipped dubbed the Confluence. (The remaining 400-plus onto the mounds. It is already largely paved and acres of the site were never dumped on by Sanita- bulkheaded. The plan imagines it as an intensive tion, but nevertheless accumulated a scattering of activity center that could include boat launches;





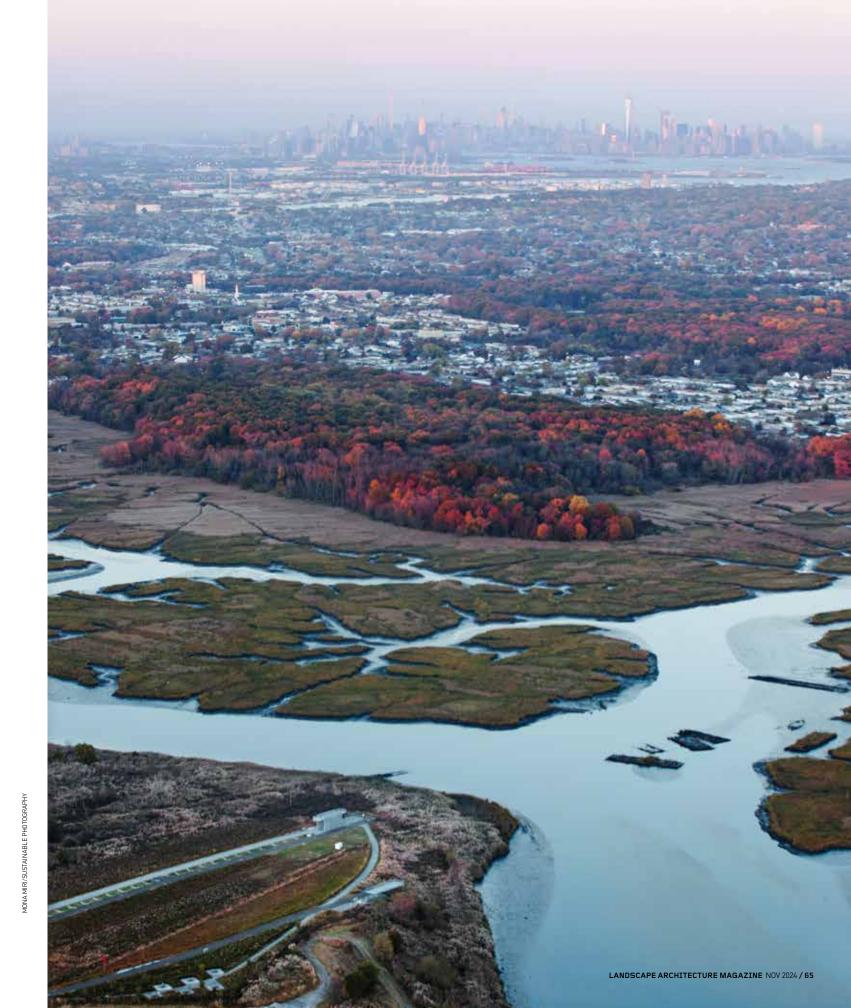
like viewing stands and restaurant, market, and remediation and monitoring. The shared presence event spaces; plus, maintenance facilities, a visitor of Parks and Sanitation only begins to suggest center, and waterfront promenades.

The Freshkills site remains the property of the the wetland regulatory context, the coastal condi-Department of Sanitation. Part of it is still used: tion, the landfill issues, and then overlay all of the Staten Island's garbage is brought there, but these internal city reviews and approvals at every stage," days it is containerized and sent by rail to South says Andrew Deer, ASLA, New York City Parks and Carolina. The New York City parks department will Recreation's senior project manager for Freshkills.

a ferry landing; structures with large footprints tation will remain responsible for environmental the bureaucratic labyrinth of this project. "You're dealing with federal, state, and city levels. You have OPPOSITE develop and manage the site for public use. Sani- Add to that the revolving door in the mayor's office:

High-intensity uses will be clustered off the capped mounds.

The Lower Manhattan skyline 14 miles away can be viewed from high points in the park.





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the capped mound—is black chain-link fencing. The paths split, one route ending at a low tower and the other at an ADA-accessible platform. From either vantage point there is a mesmerizing panorama of water and waving salt grass and distant trees. The creek and its verges probably looked like salt marsh and freshwater wetlands, meadow and woodland." The time and resources needed to heal such a sprawling, denatured place are made explicit. The parkland, according to the plan, should "be understood and enjoyed in each phase of its development as a legible 'landscape in process,'

this centuries ago.

designed to promote successional diversification

"MY GOAL WAS TO MAKE THE PARK INEVITABLE."



The paths of North Park Phase 1 lead to the wetland edge and a viewing tower.

Callery pear.

example—"noticeable larger mammals, reptiles, with uninterrupted views in all directions. or birds that are studied and that people are watching closely. For every one of those there's The master plan proposed that the many discrete sects," Deer says.

history could include exhibition of landfill machinabout a third of those first-phase projects have

over time." That's an inspiring idea, though it's ery, and floating gardens planted on former garbage unclear how such readability might be achieved. barges. An installation for East Park, conceived by Succession is already occurring on its own, though. the artist Mierle Laderman Ukeles, would reveal Between them the capped mounds now provide the grid layout of the buried methane collection 1,000 acres of grassland, rich habitat for birds system using tiny mirrors by day and pulsing points and small mammals. Since the north mound of light at night. A September 11th monument prowas capped, in 1997, several volunteer trees have posed for West Park would consist of two huge but established themselves there—both desirable ones simple earth forms, the same dimensions as the such as cottonwoods and varieties less so, like destroyed towers, but as if laid on their sides and slightly tilted up. The 2001 terrorist attacks have a particular poignance on Staten Island, since 274 "From wildlife corridors in adjacent green spac-borough residents died in the attack and many first es," says Deer, "we start to see species popping up responders from there participated in the recovery that we hadn't seen before"—red fox, diamond- efforts. Parkgoers could walk up these earth forms back terrapin, and sparrow species of concern, for and find themselves at Freshkills' highest point,

probably hundreds of smaller, less studied or projects that will comprise the park be addressed acknowledged microorganisms, plants, and in- in three 10-year phases, upon completion of a final environmental impact assessment. That was released in 2009. Understandably, the further in Field Operations' plan outlines many intriguing the future a proposed project was anticipated to design and rehabilitation gestures. There is the happen, the less detailed description it received. suggestion of borrowing agriculture-industry tech- Wisely enough, the conditional was liberally niques, for example: Soil enrichment might be used—things "may" or "could" be done—even achieved through repeated strip cropping and plow- in describing the 25 "major projects" slated for ing in of fast-growing plants. References to the site's the initial 10-year phase. Fifteen years later, only

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PROPOSED HABITAT DIVERSIFICATION

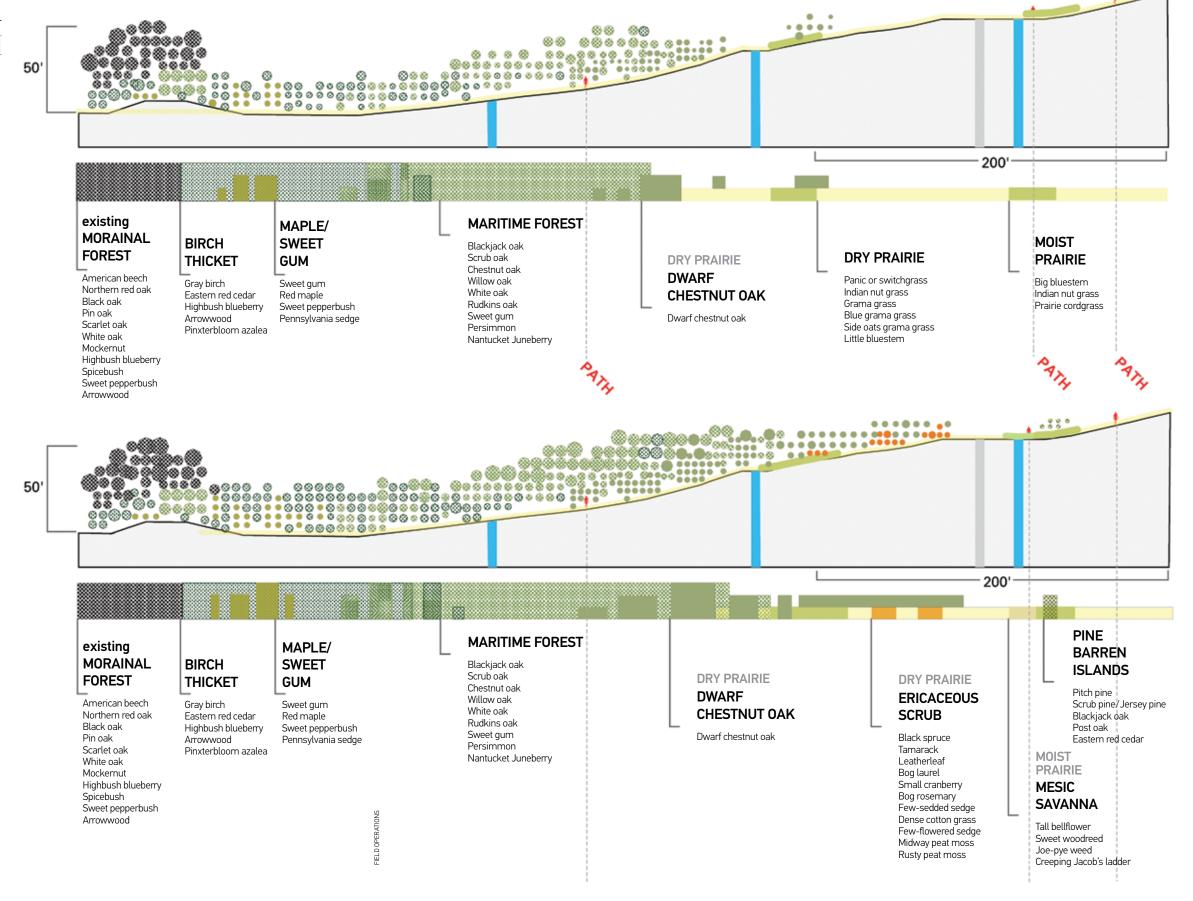
RIGHT The plan's long timeline anticipates

habitat evolution.

been undertaken. Others are moving forward now, but at a similarly belated pace. Planning is underway for walking and bike trails in East Park. Development of a second sports field complex for South Park, and a more sweeping redo of that previously mentioned existing playground, are both in procurement. Planning has also begun for the park's internal road system.

Cars, inevitably, are baked into the vision of the park. Many planners and urbanists now urge the expansion of other modes of travel, and the roads that were features of many cities' Olmstedian parks-including in New York's Central Park, Piedmont Park in Atlanta, and Cherokee and Iroquois Parks in Louisville, Kentucky—have been closed to motor vehicles. So it is jarring to learn that seven miles of roads are contemplated, for circulation and "scenic driving experiences." These roads are intended to improve connectivity between areas outside the park as well as to allow visitors to get around within it. And the plan would hardly be possible without them. To create the Confluence, for instance, and enable numbers of people to attend events and enjoy the amenities there, it will require not only roads but a new "signature" bridge. The park is too big for most people to explore on foot or bike. And as the master plan acknowledges, "it is unlikely that a paradigm shift away from a highly car-dependent community will take place within the next 50 years on Staten Island."

Before anything was built, "my goal was to make the park inevitable," says Hirsh. "We were so conscious of how long it would take to build that we needed to develop love for it." Thousands attended annual open days and kayaking events. "Constituencies emerged," she says, or were



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RIGHT

The viewing deck, though universally accessible, puts visitors at the same elevation as the bird tower.

cultivated, for example, among birding enthusiasts, photographers, and cyclists. Now the Freshkills Park Alliance, the park's nonprofit support group, hosts activities such as nature walks, citizen science projects, arts workshops, and school field trips. Current park administrator and Alliance President Mark Murphy says that the roads on the mounds left in place by Sanitation, with their switchbacks and elevation changes, make it "one of the best gravel-bike locations in the region"; an annual race on an 18-mile course attracts riders from as far away as the Carolinas. Murphy is setting up a certificate training program in park and trail maintenance to provide a "sellable skill" to at-risk youth. All this suggests that there are audiences for specialized activities at Freshkills that address particular needs and passions.

Still, despite being in the country's most populous city, Freshkills may never see the visitation levels of a typical urban park. (Staten Islanders are only 6 percent of the city's residents. For the other 94 percent, alas, the site is distant and difficult to reach, a destination to consider and plan for, not somewhere to go on impulse or with frequency.) But then, it never could be a typical urban park. Choulika recalls being at the top of the north mound during one of the open days. "You could see a full forest, you could see a full wetland, the rivers, the Manhattan skyline, kids flying kites," Choulika says. "A woman from a nearby neighborhood approached. She said, 'I grew up here, with all these smells. So where's the landfill?' And I said, 'You're standing right on it.'"

JONATHAN LERNER'S MEMOIR PERFORMANCE ANXIETY: THE HEADLONG ADOLESCENCE OF A MID-CENTURY KID IS OUT NOW FROM WIPF AND STOCK PUBLISHERS.

