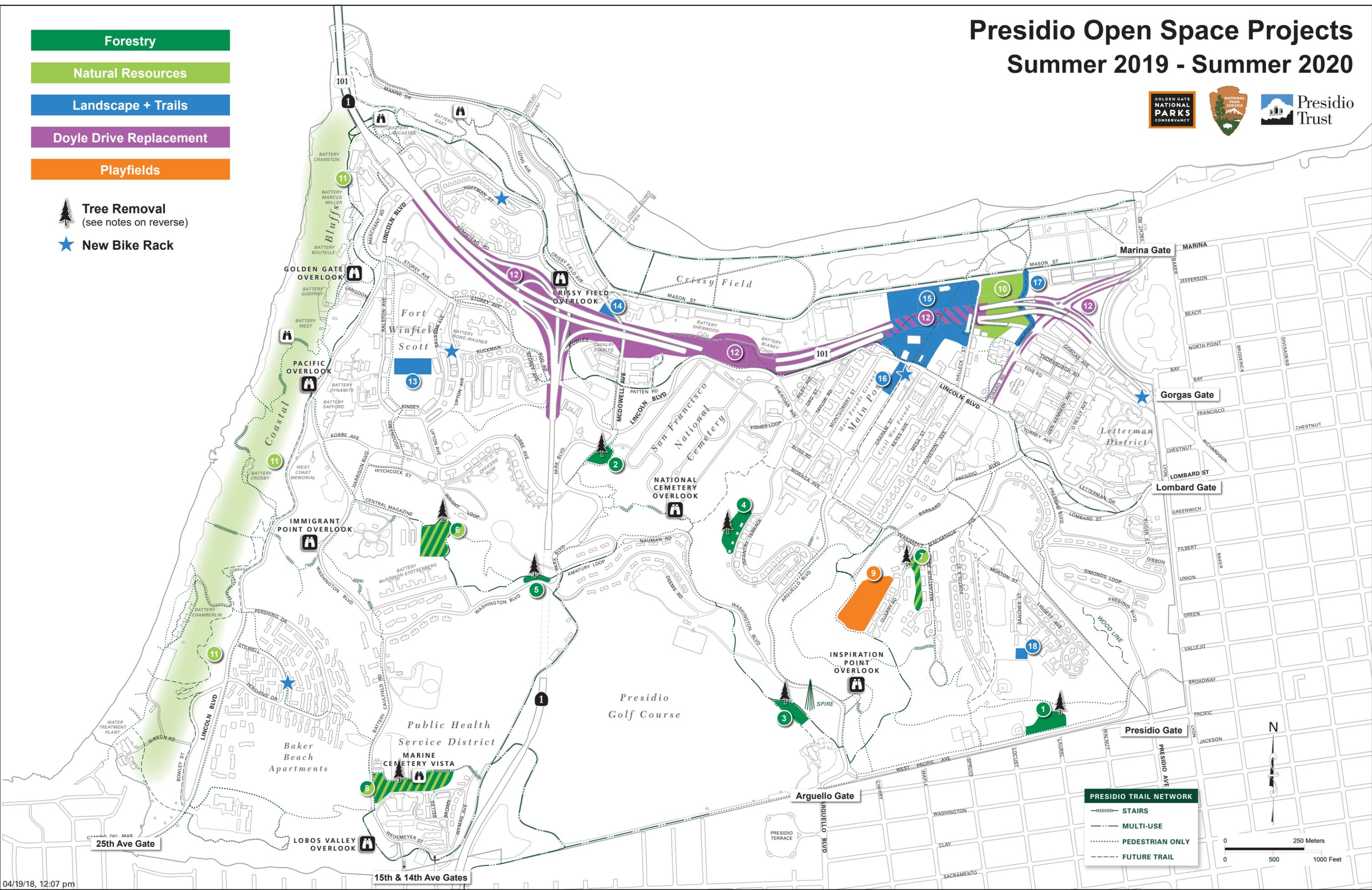


Presidio Open Space Projects Summer 2019 - Summer 2020



- Forestry
- Natural Resources
- Landscape + Trails
- Doyle Drive Replacement
- Playfields

- Tree Removal**
(see notes on reverse)
- New Bike Rack**



Forestry

1 West Pacific Grove Reforestation – Phase 10

In February 2019, we removed 63 dying Monterey cypress trees along West Pacific Avenue. This winter, we'll replant the area with 200 low-growing McNab, Sargent's cypress, Santa Cruz, and Gowan cypress. We'll also plant toyon, manzanita, coyote bush, and ceanothus in the understory. We began replacing declining trees in this grove 2003. To date, approximately 900 trees have been planted.

2 Park Boulevard Key Historic Stand Reforestation – Phase 4

In summer 2016, we began reforesting the six acre Park Boulevard Key Historic Stand, which has been in decline for a number of years. This project is being carried out in six phases through 2022. In August 2019, we will begin Phase 4 by removing 50 Monterey cypress trees in the northeast corner of the stand. Then we'll apply compost and install a drip irrigation system to support the young Monterey cypress trees we'll plant in December 2019. We'll maintain the site for five to eight years before periodically thinning to arrive at 30 to 50 trees per acre when mature.

3 Arguello Stand Reforestation – Phase 7

In August 2019, we'll begin Phase 7 of the Arguello Stand Reforestation project by removing 100 declining trees; in December 2019 we'll replant with 200 Monterey cypress. Then we'll apply compost and install a drip irrigation system. We'll maintain the site for five to eight years before periodically thinning to arrive at 30 to 50 trees per acre when mature.

4 Thomas Avenue Tree Replanting and Landscaping – Phase 3

In 2017, we began a multi-phased effort to remove two acres of aging Monterey cypress trees along the southern edge of the Infantry Terrace neighborhood. We'll begin the third and final phase in September 2019 by removing 10 to 15 trees near high voltage power lines. We'll maintain the site for five to eight years before periodically thinning to arrive at 30 to 50 trees per acre when mature.

5 Washington Boulevard Stand Reforestation – Phase 2

In September 2019, we'll begin Phase 2 of this project by removing one-third of an acre of acacia, shrub, and brush, and replanting with Monterey cypress.



Presidio Open Space Projects Summer 2019 - Summer 2020

Forestry / Natural Resources

6 Historic Forest Understory Diversification Pilot

This project will focus on a forest stand that is primarily composed of a bluegum Eucalyptus overstory with ivy as groundcover. These forest stands are typically uniform in structure and species composition. This presents a unique opportunity to diversify forest structure and species composition, which will help improve forest health. The main components of the project will encompass (1) understory ivy removal, (2) selective overstory thinning of 15-20 Eucalyptus trees, and (3) direct understory and groundcover revegetation. The pilot project will begin in October 2019 at a Eucalyptus stand near Rob Hill Campground.

7 Quarry/MacArthur Habitat Restoration

In October 2019, we'll remove 30 declining Monterey pine trees between MacArthur Avenue and Quarry Road. Then in winter 2019 we'll replant with Oak woodland native species.

8 Presidio Landmark Habitat Restoration

In October 2019, we will remove a rapidly declining stand of aging Monterey pine trees north of the Presidio Landmark building. Then beginning in winter 2019, the site will be seeded with native dune annuals and shrubs. Coastal dune scrub and Oak woodland species will be replanted over a three year period.

Playfields

9 Pop Hicks Field

A former Army landfill site, Pop Hicks Field was remediated and capped in 2012. The cover system was designed to allow for the eventual construction of an athletic field. We're now in negotiations with a prospective licensee to renovate, lease, and operate Pop Hicks Field as a community athletic facility for youth sports. Improvements are expected to include the renovation of the former Pop Hicks Field and construction of a new restroom, parking area, and picnic area. We'll also establish connections to nearby trails. The existing field surface will be replaced with synthetic turf that uses an organic infill system to reduce water use.

Natural Resources

10 Tennessee Hollow Watershed Restoration – Crissy Marsh Expansion

We are expanding Crissy Marsh by seven acres at a site known as Quartermaster Reach. The work includes digging out fill soils that have been in place for decades; bringing above ground or "daylighting" a creek currently flowing through a buried 72" diameter pipe; connecting to the upstream riparian section; installing concrete culverts under Mason Street; connecting to the downstream Crissy Marsh; planting thousands of salt marsh and riparian plants, and introducing native species such as oysters. The project will begin in summer 2019; a section of Mason Street will be closed for six months to allow for installation of the culverts. A detour through the Presidio via Halleck Street will provide access to West Crissy Field.

11 Franciscan Manzanita Establishment

In partnership with the National Park Service and Golden Gate National Parks Conservancy, we are establishing a population of federally endangered Franciscan manzanita along the coastal bluffs by using clones preserved in botanical gardens to increase the population from one to several genetic types. Planting and monitoring will continue for several years.

Doyle Drive Replacement

12 Restoring Landscapes along the Presidio Parkway Construction Corridor

Now that the Presidio Parkway is complete, the Presidio Trust will restore 37 acres of landscapes disturbed by the construction project. Work will be accomplished over a few seasons. The area immediately above the Main Post tunnels is being improved through the Presidio Tunnel Tops Project (see item 15). In fall 2019, we will begin beautifying the Presidio's entrance along Girard Road from the Presidio Parkway / Highway 101 interchange to Lincoln Boulevard. In spring 2021, we will restabilize landscape near Cavalry Stables and beautify the landscape at the battery tunnel top.

Landscapes + Trails

13 Fort Winfield Scott Parade Ground

The Fort Winfield Scott parade ground is now dominated by several tall weed species that contribute to an un-cared for appearance and do not meet the historic cultural landscape goal of maintaining a low-growing and uniform appearance. In 2018, we launched a pilot project to test ways to remove weeds so we could plant more desirable species. In 2019/20, we will maintain the plantings and monitor the results. By spring 2020, we will evaluate the results and determine if and how to proceed with expanding the project throughout the remaining grassland.

14 Pet Cemetery

Now that Presidio Parkway construction is complete, we will repair and enhance the Pet Cemetery by replacing the white picket fence and a missing site identification sign, planting five pine trees, and cleaning up the site. We're also exploring how we can maintain the cemetery through our volunteer program in years to come.

15 16 Presidio Tunnel Tops Project and Transit Center Relocation

In October 2019, we will begin construction of the Tunnel Tops, a new 14-acre landscape with trails, vistas, gardens, picnic sites, gathering areas, and a youth campus with a three-acre interactive play space. To prepare for this major milestone, from May to July we'll import 55,000 cubic yards of soil to cover the tunnels. We will also formally conclude the design phase.

Then, in late fall we'll close the Transit Center / TRANSIT restaurant for renovation and place a temporary new transit stop with restrooms across from the Visitor Center.

Construction of the Tunnel Tops will continue for two years, with the site opening in fall 2021. The project is led by the Presidio Trust in partnership with the National Park Service and the Golden Gate National Parks Conservancy. Visit www.PresidioTunnelTops.org.

Landscapes + Trails (cont.)

17 Tennessee Hollow Trail

As part of the project to expand Crissy Marsh (see item 10), in summer 2019 we are creating a new section of the Tennessee Hollow Trail. This new pathway will be the latest step in connecting Crissy Field/San Francisco Bay with the City of San Francisco through the Presidio's largest watershed. The trail will include a new elevated bridge crossing a section of restored marsh, taking trail users under the Presidio Parkway bridges.

18 Sanches Neighborhood Playground

In summer 2019, we are removing and replacing outdated play equipment, installing a new play area surface, adding an accessible parking stall in a nearby parking lot, and providing an accessible route from the accessible parking stall to the play area. Landscaped areas and accessible walks will surround the playground.

★ Bike Racks

In fall 2018, we introduced JUMP Bikes to the Presidio. JUMP Bikes are e-bikes that can be rented via smartphone and can be locked to any bike rack. To ensure all cyclists have safe and convenient places to park bikes, this year we're installing more racks around the park including locations in Baker Beach, Fort Scott, Pilots' Row, the Main Post, and near the Gorgas Gate.

Our Compost Program

The Presidio is home to an on-site compost program where yard waste, brush, grass clippings, and manure are collected from throughout the park and transformed into a valuable soil amendment. The nutrient-rich compost is used to boost the health of the soil in forest plantings; as a component of potting mix for the Presidio Nursery; and as an amendment for landscapes and gardens. Each year, close to 500 tons of green debris is kept out of the Presidio waste stream and converted into valuable compost.

