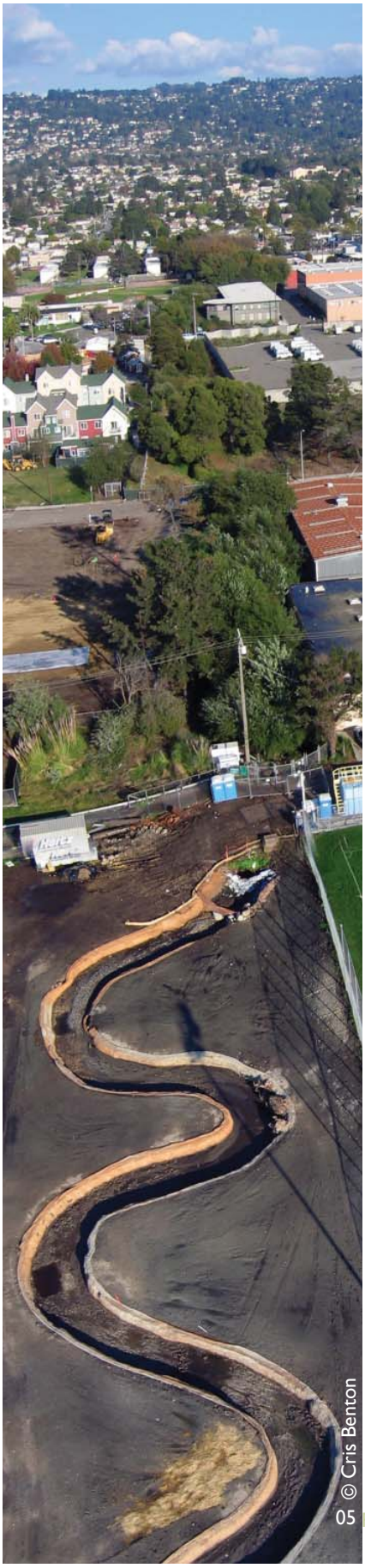
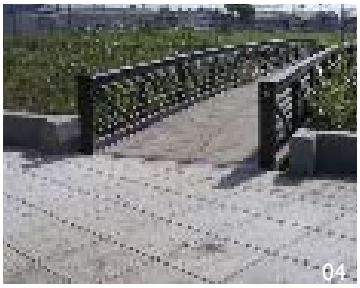
LOWER CODORNICES CREEK RESTORATION (PHASE I, II, & III)

BERKELEY / ALBANY, CALIFORNIA





01 Permeable pedestrian paving.

02 Detailing with native site materials.

03 Willows used for bioengineering provide bank stabilization, shade needed for protected fish species habitat, and erosion control within one year of project implementation.

04 Two pedestrian bridges provide accessible routes through the restored floodplain.

05 Kite aerial photograph prior to revegetation.

Since the completion of the Codornices Creek Master Plan, RDG has been designing, planning, and engineering creek restoration tailored to the specific opportunities and challenges of each reach.

In Phase 1 of the restoration (Union Pacific RR to 5th Street), RDG integrated diverse land uses, ownership agreements, and easements, into a comprehensive restoration and public open space greenway. RDG led the historic analyses, geomorphic and biological surveys, and flood modeling that provided the scientific basis for the proposed meandering creek channel and floodplain restoration and justified the width of the multi-purpose greenway. The restored creek now has more room for geomorphic and ecologic processes to occur, balancing the need for active public access, and linking ball fields and housing along a creek side path.

Phase 2 (5th Street to 6th Street) continues upstream from Phase 1. RDG's design incorporated additional land for floodplain and native riparian vegetation. RDG replaced a failing culvert with a new pedestrian bridge and designed in-stream structures and bioengineering to provide rearing grounds for migrating steelhead trout and protection the creek banks. The bridge connects parking with ball fields and a paved creek side path leads to a network of East Bay bicycle routes, including the Ohlone Trail and the Bay Trail.

Progressing upstream, Phase 3 (6th Street to 8th Street) includes trails, creek and floodplain restoration, and native riparian vegetation. RDG worked with an interpretive designer to develop an interpretive master plan for the corridor, which will include wayfinding and other related elements. The team also coordinated with the Codornices Creek Watershed Council to locate an outdoor classroom and additional interpretive features, including temporary environmental art and bioengineering "events".