

## **Chorro Creek Ecological Reserve Floodplain Restoration Project**

### **Project Summary/Next Steps**

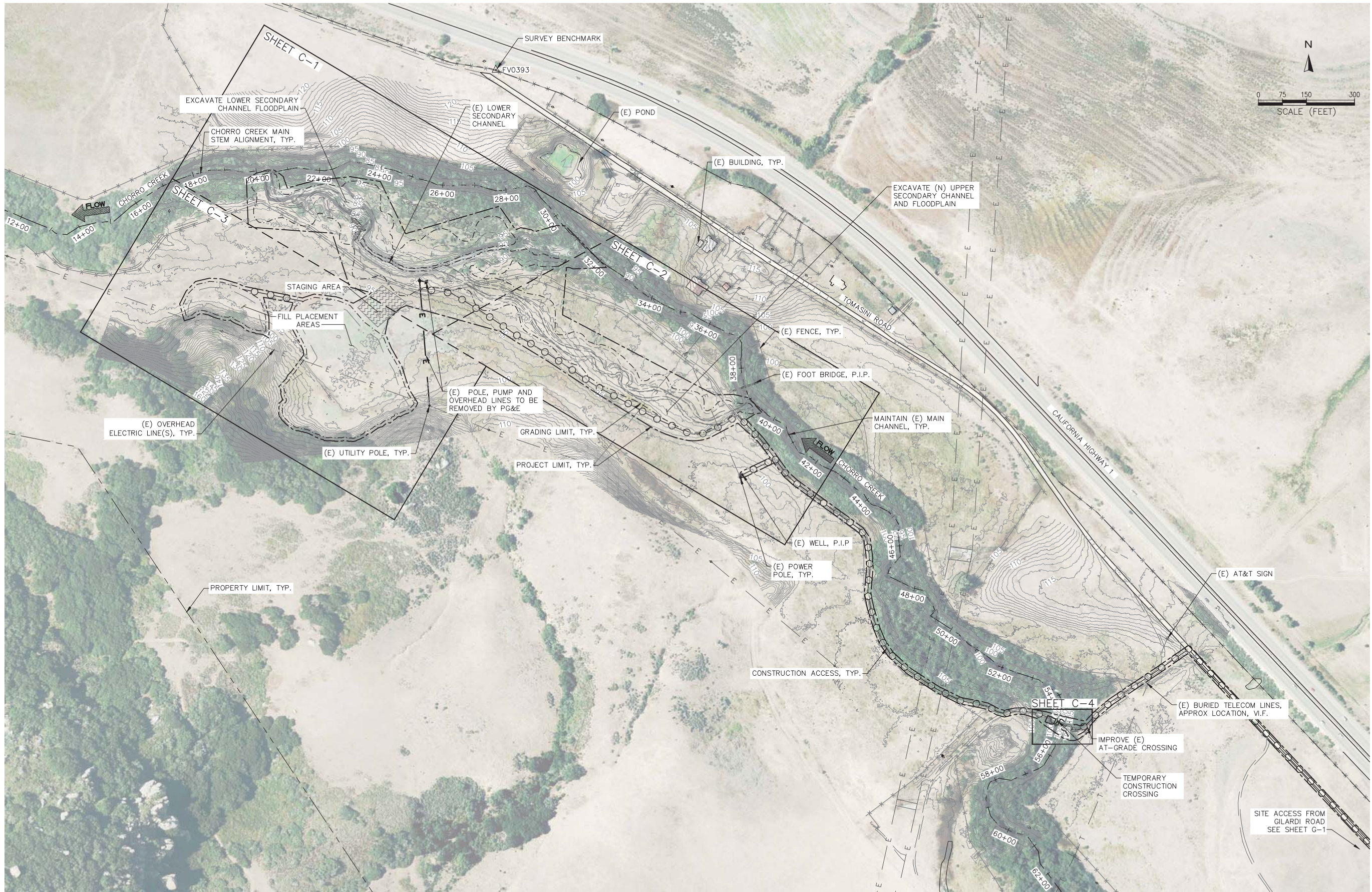
MBNEP is working with the CDFW to implement a restoration project on the 320-acre Chorro Creek Ecological Reserve (CCER) in Morro Bay, CA. The overall purpose of the CCER project is to restore and enhance floodplain connectivity and riparian vegetation of Chorro Creek for steelhead and other wildlife/aquatic species, while reducing sediment loading to the Morro Bay Estuary. Two secondary (avulsion) channels on the adjacent floodplain have developed, which are a significant source of erosion and connect to a relatively unvegetated floodplain.

The project will address degraded conditions at the site through four primary actions: 1) strategic levee lowering, 2) grading of two secondary (avulsion) channels and floodplain, 3) planting and seeding of riparian vegetation, and 4) resloping of a creek road crossing. Lowering the levee and channel grading will enhance floodplain connectivity, increase groundwater, and provide moisture for riparian vegetation establishment. Grading of the side channels will also help to stabilize excessive erosion. Riparian plantings will aid in vegetation establishment on the floodplain in the event that the secondary channels become the main channel or two channels persist. Finally, the side slopes of the channel bank at the road crossing will be upgraded to allow for a more gradual approach across the creek, reducing unnecessarily sediment to the stream.

With funding through CDFW's FRGP program, we are currently working with Environmental Science and Associates on restoration designs. We currently have 65% designs for the project (see attached overview map) and will complete 100% designs by May 1, 2017. This spring, we will also be applying for implementation funding and anticipate completing the project in summer/fall 2019.





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PROJECT OVERVIEW  
PLAN VIEW  
SCALE: 1"=150'

**65% DRAFT**  
**NOT FOR CONSTRUCTION**



PREPARED BY:	
	PROJECT OVERVIEW CHORRO CREEK ECOLOGICAL RESERVE FLOODPLAIN RESTORATION
SHEET TITLE	MORRO BAY NATIONAL ESTUARY PROGRAM 601 EMBARCADERO #11 MORRO BAY, CA
PREPARED FOR:	
APPROVED	
DESIGNED	ESA
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SCALE	AS NOTED
DATE	02/01/2016
SHEET	G-3 3 OF 17