



HORIZONTAL DATUM

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD83, OCS (2017.50) EPOCH ADJUSTMENT.
ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

MEAN LOWER-LOW WATER (MLLW)

ELEVATIONS SHOWN ARE DERIVED BY A CONVERSION FROM NGVD29 TO MLLW. THAT CONVERSION BEING 2.52' FROM BM 3B-50-68 TO TIDAL STATION 9410580.

THE COUNTY WIDE VERTICAL DIFFERENCE AVERAGE OF 2.34' BETWEEN NGVD29 AND NAVD88 ALONG WITH THE NAVD 88 ADJUSTMENT OF 0.18' FROM TIDAL STATION 9410580, EPOCH 1983-2001 WAS USED TO DETERMINE THE CONVERSION.

O.C.S. BM. 3B-50-68 ELEV. = 14.707' YEAR LEVELED: 1989
ADJUSTMENT= 14.707'+2.52'=17.227' MLLW

DESCRIPTION: FOUND 3 3/4" OCS ALUMINUM BENCHMARK DISK STAMPED "3B-50-68", SET IN THE SOUTHERLY END OF A CONCRETE HEADWALL FOR A 24 IN. CULVERT. MONUMENT IS LOCATED ALONG THE SOUTHWESTERLY SIDE OF PACIFIC COAST HIGHWAY, 0.55 MILES SOUTHWESTERLY OF THE CENTERLINE OF DEL OBISPO, 0.05 MILES NORTHERLY ALONG PCH FROM A PEDESTRIAN BRIDGE AND 40.4 FT. WESTERLY OF THE CENTERLINE OF PCH. MONUMENT IS SET LEVEL WITH THE TOP OF THE WALL.

LEGEND

SYMBOL

● 1st Site Visit, Trench Survey(11/18/2021)

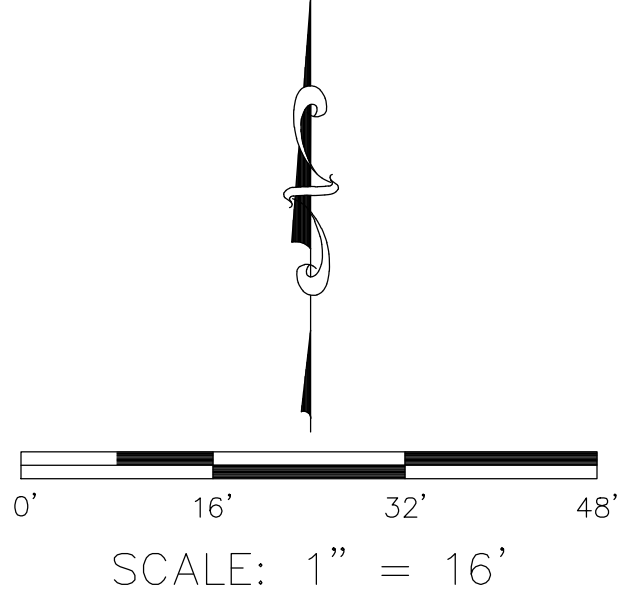
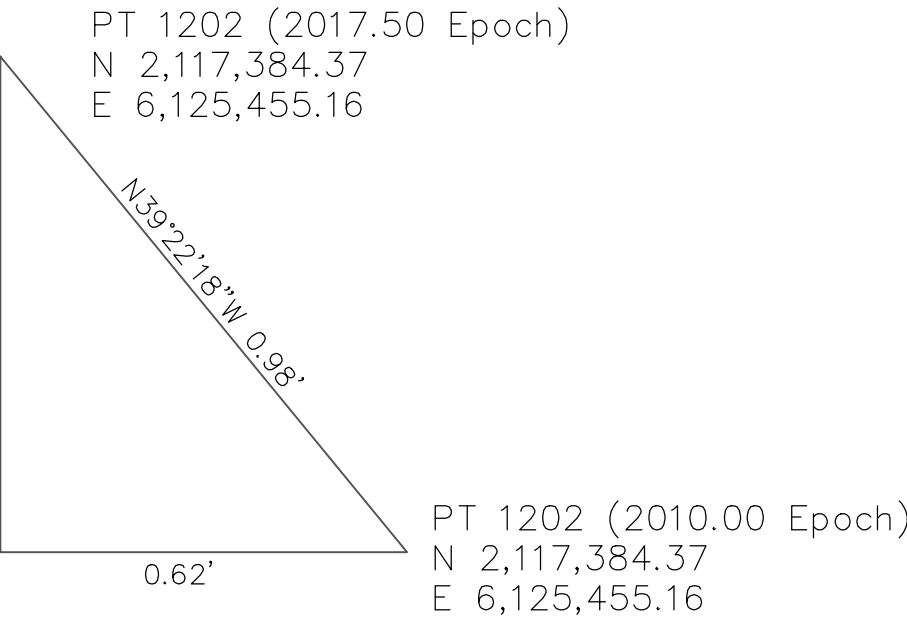
LINE PATTERN KEY

— gl — Grade Line

AREA PATTERN KEY

Rip Rap

Note: To convert the values shown on DWG CFC-1109-10-001 prepared by Coastal Frontiers Corp. which are California State Plane Zone 6, NAD83 (2011), 2010 Epoch to the 2017.50 Epoch, a difference of Epochs was calculated at local NGS point 1202 and the relationship shown as thus.



U.S. Survey Foot

OC Public Works
OC Survey/Field Services
Boundary Analysis & Mapping

MARK	DATE	ITEM
REVISIONS		

COUNTY OF ORANGE
OC PUBLIC WORKS
OC SURVEY/FIELD SERVICES/BOUNDARY ANALYSIS & MAPPING

Capistrano Beach Coastal Repair
Phase II

TOPOGRAPHIC MAP

PROJECT LIMITS: CAPISTRANO BEACH PARK, +/- 500' SE'LY FROM PALISADES DRIVE
TO +/- 700' SE'LY OF PALISADES DRIVE

DATE OF SURVEY: 03/21/2022	BY: R. MACIAS, PLS	SHEET NO. 1 of 1
MAPPING	BY: R. MACIAS, PLS	
OFFICE CHECK	BY: E. MEDINA, PLS	
FIELD CHECK	BY: R. MACIAS, PLS	
SCALE: 1" = 16'	W.O. #EC27775	FILE #2021PW-CM0010
FILE: CAPO_03.21.22_ASBUIL72.DWG		