



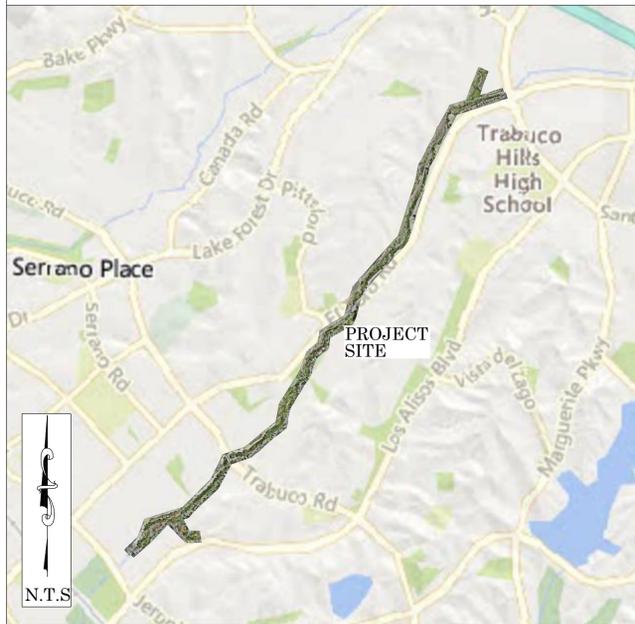
OC PUBLIC WORKS DEPARTMENT

KEVIN ONUMA, DIRECTOR OF PUBLIC WORKS

ALISO CREEK LONG TERM MGMT



LOCATION MAP



TOPOGRAPHIC MAPPING PROJECT



BASIS OF BEARINGS

THE BASIS OF BEARINGS FOR THIS SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2017.50) EPOCH ADJUSTMENT, AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS CGPS "SBCC" AND "TRAK" BEING NORTH 60°31' 33" WEST AS DERIVED FROM THE COORDINATES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) ALONG WITH DATA SHEETS ON FILE IN THE OFFICE OF THE ORANGE COUNTY SURVEYOR.

HORIZONTAL DATUM

COORDINATES SHOWN ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83), ZONE VI, NAD 83, OCS (2017.50) EPOCH ADJUSTMENT.
 ALL DISTANCES SHOWN ARE GRID, UNLESS OTHERWISE NOTED. TO OBTAIN GROUND DISTANCES MULTIPLY GRID BY A COMBINED FACTOR OF 1.00005967.
 THIS COMBINATION FACTOR WAS HELD AT: CP# 406
 N: 2186655.0229 E: 6134786.3081 EL: 737.79'
 ALL DISTANCES ARE BASED ON THE U.S. SURVEY FOOT.

VERTICAL DATUM

NAVD 88 (OCS 1995 ADJUSTMENT)
 BENCHMARK:
 CONTINUOUSLY OPERATING GLOBAL POSITIONING STATION (CGPS)
 "SBCC" AS PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC)
 ELEVATION (ORTHOMETRIC HEIGHT) = 406.336 FEET 123.852 METERS
 GEOD 12B

SHEET INDEX

THIS IS A DIGITAL DELIVERY INCLUDING A CIVIL 3D DWG. FILE, ESRI SHP FILE, AND GEO-TIFF FILE. THIS TITLE-SHEET IS FOR DATUM STATEMENTS AND CERTIFICATION PURPOSES AND IS THE ONLY SHEET. THE WEB APP ASSOCIATED WITH THIS PROJECT CONTAINS MULTI-SPECTRAL IMAGING (CTRL CLICK TO FOLLOW LINK)

PURPOSE OF SURVEY & NOTES

THE PURPOSE OF THE SURVEY IS TO PROVIDE TOPOGRAPHY UTILIZING A GEO-REFERENCED "TIFF" IMAGE AND DIGITAL TERRAIN SURFACE MODEL FOR VEGETATION AND GENERAL DRAINAGE ANALYSIS. CONTOURS WITHIN CIVIL 3D DRAWING ARE 1 FOOT CONTOURS WITH 5 FOOT MAJOR CONTOURS BEING LABELED. THIS DIGITAL TERRAIN MODEL WAS DEVELOPED USING LIDAR AND PHOTOGRAMMETRY. ALL VEGETATION AND TREES WERE REMOVED IN ORDER TO CREATE THIS SURFACE. ALL BRIDGES WITH THE EXCEPTION OF THE CREEKSIDE DRIVE OVERPASS WERE REMOVED FROM THE SURFACE MODEL IN ORDER TO CREATE A CONTINUOUS COMPREHENSIVE THALWEG AND STREAM BED.

SENIOR LAND SURVEYOR'S CERTIFICATE:

THIS MAP CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECTION IN CONFORMANCE WITH REQUIREMENTS OF THE PROFESSIONAL LAND SURVEYORS' ACT; THIS 13 DAY OF NOVEMBER, 2025.

Michael Kubisty

MICHAEL KUBISTY, PLS. SENIOR LAND SURVEYOR



SENIOR LAND SURVEYOR'S CERTIFICATE:

THIS MAP HAS BEEN EXAMINED IN ACCORDANCE WITH THE PROFESSIONAL LAND SURVEYORS' ACT; THIS 13 DAY OF NOVEMBER, 2025.

Tate Lofgreen

TATE LOFGREEN, PLS. SENIOR LAND SURVEYOR



CGPS "TRAK"
 N: 2171992.61
 E: 6088761.20
 THIS IS A CONTINUOUS OPERATING GLOBAL POSITIONING STATION (CGPS) AND IS PART OF THE CALIFORNIA SPATIAL REFERENCE SYSTEM (CSRS).

N60°31'32.71"W 49,266.81'
 BASIS OF BEARINGS

CP #101
 MAG SPIKE WITH 1-1/2 INCH SS WASHER
 STAMPED "ORANGE COUNTY SURVEYOR"
 N: 2174636.909'
 E: 6124776.044'
 ELEV: 441.97'

CGPS "SBCC"
 N: 2147751.74
 E: 6131651.74
 THIS IS A CONTINUOUS OPERATING GLOBAL POSITIONING STATION (CGPS) AND IS PART OF THE CALIFORNIA SPATIAL REFERENCE SYSTEM (CSRS).

COUNTY OF ORANGE OC PUBLIC WORKS OC CONSTRUCTION/ SURVEY-FIELD SERVICES			
ALISO CREEK LONG TERM MGMT TOPOGRAPHY			
TITLE SHEET			
PROJECT LIMITS: FROM PORTOLA PARKWAY TO LOS ALISOS			
DATE OF SURVEY: 09/10/25	BY: HERTZ, SHAFFER	SHEET NO.	
MAPPING	BY: OFFICE SURVEYOR	1 of 1	
OFFICE CHECK	BY: SENIOR SURVEYOR, PLS		
FIELD CHECK	BY: CHIEF & CREW		
SCALE: N.T.S.	W.O. #EF03817	FILE #2526PW-ER0001	
FILE: ALISO CREEK LONG TERM MGMT RESTORATION PLAN.DWG			